

DATA PACKAGE

GENERAL CHEMISTRY
METALS
VOLATILE ORGANICS

PROJECT NAME : SHORT HILLS - DRINKING WATER

HOMEOWNER

284 Sheffield Street

Mountainside, NJ - 07092

Phone No: 908-789-8900

ORDER ID : Q3603

ATTENTION : Abe Nabatian



Laboratory Certification ID # 20012



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DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

1

Laboratory Name : Alliance Technical Group LLC Client : Homeowner
 Project Location : _____ Project Number : - Short Hills - Drinking Water
 Laboratory Sample ID(s) : Q3603 Sampling Date(s) : 11/10/2025
 List DKQP Methods Used (e.g., 8260,8270, et Cetra) **,200.7,245.1,300.0,7196A,8260D**

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?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1A	Were the method specified handling, preservation, and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1B	EPH Method: Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 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)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3	Were samples received at an appropriate temperature (4±2° C)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> 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?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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."

Cover Page

Order ID : Q3603

Project ID : Short Hills - Drinking Water

Client : Homeowner

Lab Sample Number

Q3603-01
Q3603-02

Client Sample Number

SHORT-HILLS-DW
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: 11/24/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Homeowner

Project Name: Short Hills - Drinking Water

Project # N/A

Order ID # Q3603

Test Name: VOC-TCLVOA-10,Mercury,Metals ICP-Group1,Anions Group1,Hexavalent Chromium

A. Number of Samples and Date of Receipt:

2 Water samples were received on 11/10/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10,Mercury,Metals ICP-Group1,Anions Group1,Hexavalent Chromium. This data package contains results for VOC-TCLVOA-10(8260-Low),Mercury(245.1),Metals ICP-Group1(200.7),Anions Group1(300.0),Hexavalent Chromium(7196A).

C. Analytical Techniques:

VOC-TCLVOA-10 : The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. The analysis of VOC-TCLVOA-10 was based on method 8260-Low.

Mercury,Metals ICP-Group1 : The analysis and digestion of Metals ICP-Group1 was based on 200.7 and The analysis and digestion of Mercury was based on 245.1.

Wetchem : The analysis of Anions Group1,Hexavalent Chromium was based on method 300.0,7196A and extraction was done based on method 8015B.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the acceptable requirements.

The RPD recoveries met criteria.

The Blank Spike met requirements for all compounds.

The Blank Spike Duplicate met requirements for all compounds.

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.



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The Tuning criteria met requirements.

The Duplicate analysis met criteria for all samples.

The Serial Dilution met the acceptable requirements.

E. Additional Comments:

VOC-TCLVOA-10 : Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

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_____

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

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: <ul style="list-style-type: none"> (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 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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3603

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 Custody

✓

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: 11/24/2025

Hit Summary Sheet SW-846

SDG No.: Q3603
Client: Homeowner

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: Q3603-01	SHORT-HILLS-DW SHORT-HILLS-DW Water		Acetone	2.80	J	1.50	5.00	ug/L
			Total Voc :	2.80				
			Total Concentration:	2.80				

A

B

C

D



SAMPLE DATA

Report of Analysis

Client: Homeowner
Project: Short Hills - Drinking Water
Client Sample ID: SHORT-HILLS-DW
Lab Sample ID: Q3603-01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 11/10/25
Date Received: 11/10/25
SDG No.: Q3603
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.22	U	1	0.22	1.00	ug/L	11/12/25 11:18	VX111225
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/12/25 11:18	VX111225
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/12/25 11:18	VX111225
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/12/25 11:18	VX111225
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/12/25 11:18	VX111225
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/12/25 11:18	VX111225
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/12/25 11:18	VX111225
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/12/25 11:18	VX111225
67-64-1	Acetone	2.80	J	1	1.50	5.00	ug/L	11/12/25 11:18	VX111225
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/12/25 11:18	VX111225
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/12/25 11:18	VX111225
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/12/25 11:18	VX111225
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/12/25 11:18	VX111225
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/12/25 11:18	VX111225
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/12/25 11:18	VX111225
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/12/25 11:18	VX111225
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/12/25 11:18	VX111225
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/12/25 11:18	VX111225
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/12/25 11:18	VX111225
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/12/25 11:18	VX111225
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/12/25 11:18	VX111225
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/12/25 11:18	VX111225
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/12/25 11:18	VX111225
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/12/25 11:18	VX111225
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/12/25 11:18	VX111225
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/12/25 11:18	VX111225
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/12/25 11:18	VX111225
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/12/25 11:18	VX111225
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/12/25 11:18	VX111225
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/12/25 11:18	VX111225
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/12/25 11:18	VX111225
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/12/25 11:18	VX111225
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/12/25 11:18	VX111225
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/12/25 11:18	VX111225
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/12/25 11:18	VX111225
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/12/25 11:18	VX111225
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/12/25 11:18	VX111225
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/12/25 11:18	VX111225
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/12/25 11:18	VX111225
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/12/25 11:18	VX111225
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/12/25 11:18	VX111225
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/12/25 11:18	VX111225
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/12/25 11:18	VX111225

Report of Analysis

Client:	Homeowner	Date Collected:	11/10/25
Project:	Short Hills - Drinking Water	Date Received:	11/10/25
Client Sample ID:	SHORT-HILLS-DW	SDG No.:	Q3603
Lab Sample ID:	Q3603-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 mL	Test:	VOC-TCLVOA-10
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	11/12/25 11:18	VX111225
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/12/25 11:18	VX111225
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/12/25 11:18	VX111225
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/12/25 11:18	VX111225
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/12/25 11:18	VX111225
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/12/25 11:18	VX111225
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/12/25 11:18	VX111225
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/12/25 11:18	VX111225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	49.5			70 (74) - 130 (125)	99%	SPK: 50		
1868-53-7	Dibromofluoromethane	42.3			70 (75) - 130 (124)	85%	SPK: 50		
2037-26-5	Toluene-d8	47.3			70 (86) - 130 (113)	95%	SPK: 50		
460-00-4	4-Bromofluorobenzene	54.4			70 (77) - 130 (121)	109%	SPK: 50		
INTERNAL STANDARDS									
363-72-4	Pentafluorobenzene	206000							
540-36-3	1,4-Difluorobenzene	403000							
3114-55-4	Chlorobenzene-d5	409000							
3855-82-1	1,4-Dichlorobenzene-d4	212000							

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

Report of Analysis

Client: Homeowner
Project: Short Hills - Drinking Water
Client Sample ID: TB
Lab Sample ID: Q3603-02
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 11/10/25
Date Received: 11/10/25
SDG No.: Q3603
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.22	U	1	0.22	1.00	ug/L	11/12/25 11:38	VX111225
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/12/25 11:38	VX111225
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/12/25 11:38	VX111225
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/12/25 11:38	VX111225
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/12/25 11:38	VX111225
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/12/25 11:38	VX111225
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/12/25 11:38	VX111225
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/12/25 11:38	VX111225
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/12/25 11:38	VX111225
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/12/25 11:38	VX111225
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/12/25 11:38	VX111225
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/12/25 11:38	VX111225
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/12/25 11:38	VX111225
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/12/25 11:38	VX111225
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/12/25 11:38	VX111225
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/12/25 11:38	VX111225
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/12/25 11:38	VX111225
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/12/25 11:38	VX111225
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/12/25 11:38	VX111225
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/12/25 11:38	VX111225
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/12/25 11:38	VX111225
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/12/25 11:38	VX111225
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/12/25 11:38	VX111225
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/12/25 11:38	VX111225
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/12/25 11:38	VX111225
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/12/25 11:38	VX111225
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/12/25 11:38	VX111225
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/12/25 11:38	VX111225
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/12/25 11:38	VX111225
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/12/25 11:38	VX111225
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/12/25 11:38	VX111225
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/12/25 11:38	VX111225
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/12/25 11:38	VX111225
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/12/25 11:38	VX111225
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/12/25 11:38	VX111225
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/12/25 11:38	VX111225
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/12/25 11:38	VX111225
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/12/25 11:38	VX111225
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/12/25 11:38	VX111225
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/12/25 11:38	VX111225
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/12/25 11:38	VX111225
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/12/25 11:38	VX111225
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/12/25 11:38	VX111225

Report of Analysis

Client: Homeowner
Project: Short Hills - Drinking Water
Client Sample ID: TB
Lab Sample ID: Q3603-02
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 11/10/25
Date Received: 11/10/25
SDG No.: Q3603
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	11/12/25 11:38	VX111225
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/12/25 11:38	VX111225
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/12/25 11:38	VX111225
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/12/25 11:38	VX111225
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/12/25 11:38	VX111225
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/12/25 11:38	VX111225
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/12/25 11:38	VX111225
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/12/25 11:38	VX111225
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	52.9			70 (74) - 130 (125)	106%	SPK: 50		
1868-53-7	Dibromofluoromethane	42.6			70 (75) - 130 (124)	85%	SPK: 50		
2037-26-5	Toluene-d8	49.0			70 (86) - 130 (113)	98%	SPK: 50		
460-00-4	4-Bromofluorobenzene	56.2			70 (77) - 130 (121)	112%	SPK: 50		
INTERNAL STANDARDS									
363-72-4	Pentafluorobenzene	162000							
540-36-3	1,4-Difluorobenzene	328000							
3114-55-4	Chlorobenzene-d5	339000							
3855-82-1	1,4-Dichlorobenzene-d4	181000							

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

LAB CHRONICLE

OrderID:	Q3603	OrderDate:	11/10/2025 3:49:00 PM
Client:	Homeowner	Project:	Short Hills - Drinking Water
Contact:	Abe Nabatian	Location:	D11,D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3603-01	SHORT-HILLS-DW	Water	VOC-TCLVOA-10	8260-Low	11/10/25		11/12/25	11/10/25
Q3603-02	TB	Water	VOC-TCLVOA-10	8260-Low	11/10/25		11/12/25	11/10/25

Hit Summary Sheet
SW-846

SDG No.: Q3603 **Order ID:** Q3603
Client: Homeowner **Project ID:** Short Hills - Drinking Water

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SHORT-HILLS-DW								
Q3603-01	SHORT-HILLS-DW	Water	Aluminum	24.3	J	15.4	50.0	ug/L
Q3603-01	SHORT-HILLS-DW	Water	Calcium	20300		86.4	1000	ug/L
Q3603-01	SHORT-HILLS-DW	Water	Chromium	9.08		0.53	5.00	ug/L
Q3603-01	SHORT-HILLS-DW	Water	Iron	26.6	J	18.0	50.0	ug/L
Q3603-01	SHORT-HILLS-DW	Water	Magnesium	5160		104	1000	ug/L
Q3603-01	SHORT-HILLS-DW	Water	Manganese	10.4		2.46	10.0	ug/L
Q3603-01	SHORT-HILLS-DW	Water	Nickel	2.59	J	1.90	20.0	ug/L
Q3603-01	SHORT-HILLS-DW	Water	Potassium	1530		309	1000	ug/L
Q3603-01	SHORT-HILLS-DW	Water	Sodium	48000		367	1000	ug/L



SAMPLE DATA

Report of Analysis

Client:	Homeowner	Date Collected:	11/10/25
Project:	Short Hills - Drinking Water	Date Received:	11/10/25
Client Sample ID:	SHORT-HILLS-DW	SDG No.:	Q3603
Lab Sample ID:	Q3603-01	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.
7429-90-5	Aluminum	24.3	J	1	15.4	50.0	ug/L	11/12/25 10:45	11/12/25 20:00	EPA 200.7	M200.7
7440-36-0	Antimony	2.72	U	1	2.72	25.0	ug/L	11/12/25 10:45	11/12/25 20:00	EPA 200.7	M200.7
7440-38-2	Arsenic	1.85	U	1	1.85	10.0	ug/L	11/12/25 10:45	11/12/25 20:00	EPA 200.7	M200.7
7440-39-3	Barium	9.75	U	1	9.75	50.0	ug/L	11/12/25 10:45	11/12/25 20:00	EPA 200.7	M200.7
7440-41-7	Beryllium	0.27	U	1	0.27	3.00	ug/L	11/12/25 10:45	11/12/25 20:00	EPA 200.7	M200.7
7440-43-9	Cadmium	0.31	U	1	0.31	3.00	ug/L	11/12/25 10:45	11/12/25 20:00	EPA 200.7	M200.7
7440-70-2	Calcium	20300		1	86.4	1000	ug/L	11/12/25 10:45	11/12/25 20:00	EPA 200.7	M200.7
7440-47-3	Chromium	9.08		1	0.53	5.00	ug/L	11/12/25 10:45	11/12/25 20:00	EPA 200.7	M200.7
7440-48-4	Cobalt	1.16	U	1	1.16	15.0	ug/L	11/12/25 10:45	11/12/25 20:00	EPA 200.7	M200.7
7440-50-8	Copper	1.89	U	1	1.89	10.0	ug/L	11/12/25 10:45	11/12/25 20:00	EPA 200.7	M200.7
7439-89-6	Iron	26.6	J	1	18.0	50.0	ug/L	11/12/25 10:45	11/12/25 20:00	EPA 200.7	M200.7
7439-92-1	Lead	1.21	U	1	1.21	6.00	ug/L	11/12/25 10:45	11/12/25 20:00	EPA 200.7	M200.7
7439-95-4	Magnesium	5160		1	104	1000	ug/L	11/12/25 10:45	11/12/25 20:00	EPA 200.7	M200.7
7439-96-5	Manganese	10.4		1	2.46	10.0	ug/L	11/12/25 10:45	11/12/25 20:00	EPA 200.7	M200.7
7439-97-6	Mercury	0.027	U	1	0.027	0.20	ug/L	11/21/25 08:00	11/21/25 12:50	E245.1	M245.1
7440-02-0	Nickel	2.59	J	1	1.90	20.0	ug/L	11/12/25 10:45	11/12/25 20:00	EPA 200.7	M200.7
7440-09-7	Potassium	1530		1	309	1000	ug/L	11/12/25 10:45	11/12/25 20:00	EPA 200.7	M200.7
7782-49-2	Selenium	2.52	U	1	2.52	10.0	ug/L	11/12/25 10:45	11/12/25 20:00	EPA 200.7	M200.7
7440-22-4	Silver	0.81	U	1	0.81	5.00	ug/L	11/12/25 10:45	11/12/25 20:00	EPA 200.7	M200.7
7440-23-5	Sodium	48000		1	367	1000	ug/L	11/12/25 10:45	11/12/25 20:00	EPA 200.7	M200.7
7440-28-0	Thallium	2.51	U	1	2.51	20.0	ug/L	11/12/25 10:45	11/12/25 20:00	EPA 200.7	M200.7
7440-62-2	Vanadium	2.49	U	1	2.49	20.0	ug/L	11/12/25 10:45	11/12/25 20:00	EPA 200.7	M200.7
7440-66-6	Zinc	2.00	U	1	2.00	20.0	ug/L	11/12/25 10:45	11/12/25 20:00	EPA 200.7	M200.7

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

LAB CHRONICLE

OrderID:	Q3603	OrderDate:	11/10/2025 3:49:00 PM
Client:	Homeowner	Project:	Short Hills - Drinking Water
Contact:	Abe Nabatian	Location:	D11,D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3603-01	SHORT-HILLS-DW	Water			11/10/25			11/10/25
			Mercury	245.1		11/21/25	11/21/25	
			Metals ICP-Group1	200.7		11/12/25	11/12/25	



SAMPLE DATA

Report of Analysis

Client: Homeowner
Project: Short Hills - Drinking Water
Client Sample ID: SHORT-HILLS-DW
Lab Sample ID: Q3603-01

Date Collected: 11/10/25 13:10
Date Received: 11/10/25
SDG No.: Q3603
Matrix: WATER
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Nitrite	0.074	U	1	0.074	0.60	mg/L		11/11/25 10:38	300.0
Nitrate	0.11	J	1	0.095	0.50	mg/L		11/11/25 10:38	300.0
Nitrate+Nitrite	0.11	U	1	0.17	1.10	mg/L		11/11/25 10:38	300.0
Dissolved Hexavalent Chromium	0.0030	U	1	0.0030	0.010	mg/L		11/11/25 09:44	7196A

Comments: _____

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
H = Sample Analysis Out Of Hold Time

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

LAB CHRONICLE

OrderID:	Q3603	OrderDate:	11/10/2025 3:49:00 PM
Client:	Homeowner	Project:	Short Hills - Drinking Water
Contact:	Abe Nabatian	Location:	D11,D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3603-01	SHORT-HILLS-DW	WATER			11/10/25 13:10			11/10/25
			Anions Group1	300.0			11/11/25 10:38	
			Hexavalent Chromium	7196A			11/11/25 09:44	



SHIPPING DOCUMENTS



TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092

(908) 789-8900 • Fax (908) 789-8922

www.chemtech.net

ALLIANCE PROJECT NO.

QUOTE NO.

COC Number

2046950

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY:

PROJECT NAME: Short Hills

BILL TO: Ebrahim Nabatian PO#:

ADDRESS: Bruce Path

PROJECT NO.: LOCATION:

ADDRESS: 18 Shadow Ridge Run

CITY: Short Hills STATE: NJ ZIP: 07078

PROJECT MANAGER:

CITY: Wayne STATE: NJ ZIP: 07470

ATTENTION: Abe. Nabatian

e-mail: abe.nabatian@yahoo.com

ATTENTION:

PHONE:

PHONE: 973 954 8877 FAX:

PHONE:

FAX:

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX (RUSH) _____ DAYS*

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)

HARDCOPY (DATA PACKAGE): _____ DAYS*

☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP

EDD: _____ DAYS*

☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B

*TO BE APPROVED BY CHEMTECH

☐ + Raw Data ☐ Other _____

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

☐ EDD FORMAT _____

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID PROJECT SAMPLE IDENTIFICATION

SAMPLE MATRIX

SAMPLE TYPE

SAMPLE COLLECTION

OF BOTTLES

← Specify Preservatives
A-HCl
B-HNO3
C-H2SO4
D-NaOH
E-ICE
F-OTHER

Short Hills - DW

W

11-10-25

1310

11

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V

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7B

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11-10-25

1310

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

RELINQUISHED BY SAMPLER:

DATE/TIME:

RECEIVED BY:

1330

Conditions of bottles or coolers at receipt:

☐ COMPLAINT ☐ NON COMPLAINT ☐ COOLER TEMP _____ °C

3.0

°C

RELINQUISHED BY SAMPLER:

DATE/TIME:

RECEIVED BY:

11-10-25

Comments:

☐ COMPLAINT ☐ NON COMPLAINT ☐ COOLER TEMP _____ °C

3.0

°C

RELINQUISHED BY SAMPLER:

DATE/TIME:

RECEIVED BY:

11-10-25

Comments:

☐ COMPLAINT ☐ NON COMPLAINT ☐ COOLER TEMP _____ °C

3.0

°C

RELINQUISHED BY SAMPLER:

DATE/TIME:

RECEIVED BY:

11-10-25

Comments:

☐ COMPLAINT ☐ NON COMPLAINT ☐ COOLER TEMP _____ °C

3.0

°C

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3603 HOME01

Order Date : 11/10/2025 3:49:00 PM

Project Mgr :

Client Name : Homeowner

Project Name : Short Hills - Drinking Water

Report Type : Level 1

Client Contact : Abe Nabatian

Receive DateTime : 11/10/2025 3:55:00 PM

EDD Type : Excel NJ

Invoice Name : Homeowner

Purchase Order :

Hard Copy Date :

Invoice Contact : Abe Nabatian

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3603-01	SHORT-HILLS-DW	Water	11/10/2025	13:10					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q3603-02	TB	Water	11/10/2025	00:00					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	

*Stored in VOA
Set # 04*

Relinquished By :

Date / Time : 11-10-25 16:14

Received By :

Date / Time :

W. Nabatian

11-10-25

16:15

Storage Area : VOA Refridgerator Room