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

ANALYTICAL RESULTS SUMMARY

VOLATILE ORGANICS
GENERAL CHEMISTRY
METALS
GC SEMI-VOLATILES

PROJECT NAME : CTO WE13

TETRA TECH NUS, INC.

661 Andersen Drive

Suite 200

Pittsburgh, PA - 15220-2745

Phone No: 412-921-7090

ORDER ID : Q1774

ATTENTION : Ernie Wu

Laboratory Certification ID # 20012

Table Of Contents for Q1774

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Cover Page

Order ID : Q1774

Project ID : CTO WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number	Client Sample Number
Q1774-02	TT-073-IDWGW-20250409
Q1774-03	TT-074-IDWGW-20250409
Q1774-04	TT-075-IDWGW-20250409

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 : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 1:55 pm, Apr 21, 2025

Date: 4/21/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Tetra Tech NUS, Inc.
Project Name: CTO WE13
Project Manager # Ernie Wu
Chemtech Project # Q1774
Test Name: VOCMS Group4

A. Number of Samples and Date of Receipt:
3 Water samples were received on 04/10/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, PCB, pH and VOCMS Group4. This data package contains results for VOCMS Group4.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_N were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOCMS Group4 was based on method 624.1.

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 for {VN0411WBSD01} with File ID: VN086250.D met criteria except for Acrolein[23%] due to difference in results of BS and BSD.

The Blank Spike for {VN0411WBS01} with File ID: VN086249.D met requirements for all samples except for Carbon disulfide[109%] is failing high but no positive hit in associate sample therefore no corrective action taken.

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:
The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is)."

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"As per method, MS/MSD is required to be performed with the sample analysis. However, Lab did not receive sufficient volume to perform the MS/MSD therefore MS/MSD were not performed for this project. However, Lab has performed LCS/LCSD instead.".

VIAL A and B combined to run samples#02,03 and 04 as all vials contained much sediment.

The SDG Q1774 is logged for VOCMS group4. Lab not certified for Hexachloroethane, Iodomethane, Methyl Methacrylate and tert-Butylbenzene compounds for 624.1 method.

The Sample # TT-075-IDWGW-20250409 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

Trip Blank was not provided with this set of samples.
The not QT review data is reported in the Miscellaneous.

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 <35% 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 > 35% for the Initial Calibration curve for SW-846 analysis.

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_____ **APPROVED**
By Nimisha Pandya, QA/QC Supervisor at 1:55 pm, Apr 21, 2025

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CASE NARRATIVE

Tetra Tech NUS, Inc.
Project Name: CTO WE13
Project Manager # Ernie Wu
Chemtech Project # Q1774
Test Name: PCB

A. Number of Samples and Date of Receipt:
3 Water samples were received on 04/10/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, PCB, pH and VOCMS Group4. This data package contains results for PCB.

C. Analytical Techniques:
The analyses were performed on instrument GCECD_P. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11.The analysis of PCBs was based on method 8082A and extraction was done based on method 3510.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for TT-074-IDWGW-20250409 [Decachlorobiphenyl(2) - 36%], TT-075-IDWGW-20250409 [Decachlorobiphenyl(2) - 39%], as per method one surrogate is allowed to failed, therefore no corrective action was taken.

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 .

E. Additional Comments:

The not QT review data is reported in the Miscellaneous.
The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is)."

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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 APPROVED
By Nimisha Pandya, QA/QC Supervisor at 1:58 pm, Apr 21, 2025

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CASE NARRATIVE

Tetra Tech NUS, Inc.
Project Name: CTO WE13
Project Manager: Ernie Wu
Chemtech Project # Q1774
Test Name: Metals ICP-TAL,Mercury

A. Number of Samples and Date of Receipt:
3 Water samples were received on 04/10/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, PCB, pH and VOCMS Group4. This data package contains results for Metals ICP-TAL,Mercury.

C. Analytical Techniques:
The analysis of Metals ICP-TAL was based on method 6010D, digestion based on method 3010 (waters). The analysis and digestion of Mercury was based on method 7470A.

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 (B-158-GW01MS) analysis met criteria for all samples except for Mercury due to matrix interference .
The Matrix Spike (TT-073-IDWGW-20250409MS) analysis met criteria for all samples except for Barium, Chromium, Copper, Magnesium, Manganese, Vanadium, Zinc due to matrix interference .
The Matrix Spike Duplicate (B-158-GW01MSD) analysis met criteria for all samples except for Mercury due to matrix interference .
The Matrix Spike Duplicate (TT-073-IDWGW-20250409MSD) analysis met criteria for all samples except for Barium, Chromium, Copper, Magnesium, Manganese, Vanadium, Zinc due to matrix interference .
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution (TT-073-IDWGW-20250409L) met criteria for all samples except for Aluminum due to unknown interference.

E. Additional Comments:
The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is)

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_____ APPROVED
By Nimisha Pandya, QA/QC Supervisor at 1:58 pm, Apr 21, 2025

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CASE NARRATIVE

Tetra Tech NUS, Inc.
Project Name: CTO WE13
Project Manager : Ernie Wu
Chemtech Project # Q1774
Test Name: pH

A. Number of Samples and Date of Receipt:
3 Water samples were received on 04/10/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, PCB, pH and VOCMS Group4. This data package contains results for pH.

C. Analytical Techniques:
The analysis of pH was based on method 9040C.

D. QA/ QC Samples:
The Holding Times were met for all samples except for TT-073-IDWGW-20250409 of pH, for TT-074-IDWGW-20250409 of pH.for TT-075-IDWGW-20250409 of pH as samples were receive out of holding time.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

E. Additional Comments:
The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is).

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_____ APPROVED
By Nimisha Pandya, QA/QC Supervisor at 1:59 pm, Apr 21, 2025

284 Sheffield Street, Mountainside NJ 07092
Tel. 908-789-8900 Fax: 908-789-8922

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 #: Q1774

	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:** 04/21/2025

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LAB CHRONICLE

OrderID:	Q1774	**OrderDate:**	4/10/2025 10:43:00 AM
Client:	Tetra Tech NUS, Inc.	**Project:**	CTO WE13
Contact:	Ernie Wu	**Location:**	F11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1774-02	**TT-073-IDWGW-2025 0409**	**Water**			**04/09/25**			**04/10/25**
			VOCMS Group4	624.1			04/11/25	
Q1774-03	**TT-074-IDWGW-2025 0409**	**Water**			**04/09/25**			**04/10/25**
			VOCMS Group4	624.1			04/11/25	
Q1774-04	**TT-075-IDWGW-2025 0409**	**Water**			**04/09/25**			**04/10/25**
			VOCMS Group4	624.1			04/11/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1774

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**TT-073-IDWGW-20250409**							
Q1774-02	TT-073-IDWGW-2(	Water	Acetone	29.9		4.60	25.0	ug/L
Q1774-02	TT-073-IDWGW-2(	Water	Trichloroethene	8.70		0.49	5.00	ug/L
			Total Voc :	38.6				
			Total Concentration:	38.6				
Client ID:	**TT-074-IDWGW-20250409**							
Q1774-03	TT-074-IDWGW-2(	Water	Acetone	34.2		4.60	25.0	ug/L
Q1774-03	TT-074-IDWGW-2(	Water	Trichloroethene	7.40		0.49	5.00	ug/L
			Total Voc :	41.6				
			Total Concentration:	41.6				
Client ID:	**TT-075-IDWGW-20250409**							
Q1774-04	TT-075-IDWGW-2(	Water	Acetone	21.8	J	4.60	25.0	ug/L
Q1774-04	TT-075-IDWGW-2(	Water	Trichloroethene	28.0		0.49	5.00	ug/L
Q1774-04	TT-075-IDWGW-2(	Water	1,1,2-Trichloroethane	0.55	J	0.45	5.00	ug/L
			Total Voc :	50.4				
			Total Concentration:	50.4				

SAMPLE DATA

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	04/09/25
Project:	CTO WE13	Date Received:	04/10/25
Client Sample ID:	TT-073-IDWGW-20250409	SDG No.:	Q1774
Lab Sample ID:	Q1774-02	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086252.D	1		04/11/25 16:15	VN041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.77	U	0.77	5.00	ug/L
74-87-3	Chloromethane	0.64	U	0.64	5.00	ug/L
75-01-4	Vinyl Chloride	0.83	U	0.83	5.00	ug/L
74-83-9	Bromomethane	0.80	U	0.80	5.00	ug/L
75-00-3	Chloroethane	2.30	U	2.30	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.80	U	0.80	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.96	U	0.96	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.76	U	0.76	5.00	ug/L
107-02-8	Acrolein	6.60	U	6.60	25.0	ug/L
107-13-1	Acrylonitrile	2.80	U	2.80	25.0	ug/L
67-64-1	Acetone	29.9		4.60	25.0	ug/L
75-15-0	Carbon Disulfide	0.82	UQ	0.82	5.00	ug/L
1634-04-4	Methyl tert-Butyl Ether	0.77	U	0.77	5.00	ug/L
79-20-9	Methyl Acetate	0.91	U	0.91	5.00	ug/L
75-09-2	Methylene Chloride	0.86	U	0.86	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.82	U	0.82	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.68	U	0.68	5.00	ug/L
110-82-7	Cyclohexane	0.92	U	0.92	5.00	ug/L
78-93-3	2-Butanone	2.00	U	2.00	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.74	U	0.74	5.00	ug/L
594-20-7	2,2-Dichloropropane	0.66	U	0.66	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.80	U	0.80	5.00	ug/L
67-66-3	Chloroform	0.55	U	0.55	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.63	U	0.63	5.00	ug/L
108-87-2	Methylcyclohexane	0.73	U	0.73	5.00	ug/L
563-58-6	1,1-Dichloropropene	0.63	U	0.63	5.00	ug/L
71-43-2	Benzene	0.45	U	0.45	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.50	5.00	ug/L
79-01-6	Trichloroethene	8.70		0.49	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	0.46	5.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	04/09/25
Project:	CTO WE13	Date Received:	04/10/25
Client Sample ID:	TT-073-IDWGW-20250409	SDG No.:	Q1774
Lab Sample ID:	Q1774-02	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086252.D	1		04/11/25 16:15	VN041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
74-95-3	Dibromomethane	0.59	U	0.59	5.00	ug/L
75-27-4	Bromodichloromethane	0.64	U	0.64	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	3.00	U	3.00	25.0	ug/L
108-88-3	Toluene	0.46	U	0.46	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.72	U	0.72	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.67	U	0.67	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.45	U	0.45	5.00	ug/L
142-28-9	1,3-Dichloropropane	0.44	U	0.44	5.00	ug/L
591-78-6	2-Hexanone	3.20	U	3.20	25.0	ug/L
124-48-1	Dibromochloromethane	0.66	U	0.66	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	0.56	5.00	ug/L
127-18-4	Tetrachloroethene	0.84	U	0.84	5.00	ug/L
108-90-7	Chlorobenzene	0.47	U	0.47	5.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.62	U	0.62	5.00	ug/L
67-72-1	Hexachloroethane	0.98	U	0.98	5.00	ug/L
100-41-4	Ethyl Benzene	0.56	U	0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.0	ug/L
95-47-6	o-Xylene	0.67	U	0.67	5.00	ug/L
100-42-5	Styrene	0.72	U	0.72	5.00	ug/L
75-25-2	Bromoform	0.94	U	0.94	5.00	ug/L
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.44	U	0.44	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.62	U	0.62	5.00	ug/L
108-86-1	Bromobenzene	0.59	U	0.59	5.00	ug/L
103-65-1	n-propylbenzene	0.67	U	0.67	5.00	ug/L
95-49-8	2-Chlorotoluene	0.64	U	0.64	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.59	U	0.59	5.00	ug/L
106-43-4	4-Chlorotoluene	0.62	U	0.62	5.00	ug/L
98-06-6	tert-butylbenzene	0.71	U	0.71	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.77	U	0.77	5.00	ug/L
135-98-8	sec-Butylbenzene	0.64	U	0.64	5.00	ug/L

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	04/09/25
Project:	CTO WE13	Date Received:	04/10/25
Client Sample ID:	TT-073-IDWGW-20250409	SDG No.:	Q1774
Lab Sample ID:	Q1774-02	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086252.D	1		04/11/25 16:15	VN041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-87-6	p-Isopropyltoluene	0.70	U	0.70	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.67	U	0.67	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.81	U	0.81	5.00	ug/L
104-51-8	n-Butylbenzene	0.82	U	0.82	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.67	U	0.67	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.86	U	0.86	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	1.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.68	U	0.68	5.00	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.10	U	1.10	5.00	ug/L
74-88-4	Methyl Iodide	0.91	U	0.91	5.00	ug/L
80-62-6	Methyl methacrylate	0.71	U	0.71	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.3		91 - 110	101%	SPK: 30
2037-26-5	Toluene-d8	30.1		91 - 112	100%	SPK: 30
460-00-4	4-Bromofluorobenzene	29.0		63 - 112	97%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	16700	7.818			
540-36-3	1,4-Difluorobenzene	98000	9.1			
3114-55-4	Chlorobenzene-d5	84100	11.865			

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	04/09/25
Project:	CTO WE13	Date Received:	04/10/25
Client Sample ID:	TT-074-IDWGW-20250409	SDG No.:	Q1774
Lab Sample ID:	Q1774-03	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086253.D	1		04/11/25 16:39	VN041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.77	U	0.77	5.00	ug/L
74-87-3	Chloromethane	0.64	U	0.64	5.00	ug/L
75-01-4	Vinyl Chloride	0.83	U	0.83	5.00	ug/L
74-83-9	Bromomethane	0.80	U	0.80	5.00	ug/L
75-00-3	Chloroethane	2.30	U	2.30	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.80	U	0.80	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.96	U	0.96	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.76	U	0.76	5.00	ug/L
107-02-8	Acrolein	6.60	U	6.60	25.0	ug/L
107-13-1	Acrylonitrile	2.80	U	2.80	25.0	ug/L
67-64-1	Acetone	34.2		4.60	25.0	ug/L
75-15-0	Carbon Disulfide	0.82	UQ	0.82	5.00	ug/L
1634-04-4	Methyl tert-Butyl Ether	0.77	U	0.77	5.00	ug/L
79-20-9	Methyl Acetate	0.91	U	0.91	5.00	ug/L
75-09-2	Methylene Chloride	0.86	U	0.86	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.82	U	0.82	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.68	U	0.68	5.00	ug/L
110-82-7	Cyclohexane	0.92	U	0.92	5.00	ug/L
78-93-3	2-Butanone	2.00	U	2.00	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.74	U	0.74	5.00	ug/L
594-20-7	2,2-Dichloropropane	0.66	U	0.66	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.80	U	0.80	5.00	ug/L
67-66-3	Chloroform	0.55	U	0.55	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.63	U	0.63	5.00	ug/L
108-87-2	Methylcyclohexane	0.73	U	0.73	5.00	ug/L
563-58-6	1,1-Dichloropropene	0.63	U	0.63	5.00	ug/L
71-43-2	Benzene	0.45	U	0.45	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.50	5.00	ug/L
79-01-6	Trichloroethene	7.40		0.49	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	0.46	5.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	04/09/25
Project:	CTO WE13	Date Received:	04/10/25
Client Sample ID:	TT-074-IDWGW-20250409	SDG No.:	Q1774
Lab Sample ID:	Q1774-03	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086253.D	1		04/11/25 16:39	VN041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
74-95-3	Dibromomethane	0.59	U	0.59	5.00	ug/L
75-27-4	Bromodichloromethane	0.64	U	0.64	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	3.00	U	3.00	25.0	ug/L
108-88-3	Toluene	0.46	U	0.46	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.72	U	0.72	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.67	U	0.67	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.45	U	0.45	5.00	ug/L
142-28-9	1,3-Dichloropropane	0.44	U	0.44	5.00	ug/L
591-78-6	2-Hexanone	3.20	U	3.20	25.0	ug/L
124-48-1	Dibromochloromethane	0.66	U	0.66	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	0.56	5.00	ug/L
127-18-4	Tetrachloroethene	0.84	U	0.84	5.00	ug/L
108-90-7	Chlorobenzene	0.47	U	0.47	5.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.62	U	0.62	5.00	ug/L
67-72-1	Hexachloroethane	0.98	U	0.98	5.00	ug/L
100-41-4	Ethyl Benzene	0.56	U	0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.0	ug/L
95-47-6	o-Xylene	0.67	U	0.67	5.00	ug/L
100-42-5	Styrene	0.72	U	0.72	5.00	ug/L
75-25-2	Bromoform	0.94	U	0.94	5.00	ug/L
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.44	U	0.44	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.62	U	0.62	5.00	ug/L
108-86-1	Bromobenzene	0.59	U	0.59	5.00	ug/L
103-65-1	n-propylbenzene	0.67	U	0.67	5.00	ug/L
95-49-8	2-Chlorotoluene	0.64	U	0.64	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.59	U	0.59	5.00	ug/L
106-43-4	4-Chlorotoluene	0.62	U	0.62	5.00	ug/L
98-06-6	tert-butylbenzene	0.71	U	0.71	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.77	U	0.77	5.00	ug/L
135-98-8	sec-Butylbenzene	0.64	U	0.64	5.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	04/09/25
Project:	CTO WE13	Date Received:	04/10/25
Client Sample ID:	TT-074-IDWGW-20250409	SDG No.:	Q1774
Lab Sample ID:	Q1774-03	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086253.D	1		04/11/25 16:39	VN041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-87-6	p-Isopropyltoluene	0.70	U	0.70	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.67	U	0.67	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.81	U	0.81	5.00	ug/L
104-51-8	n-Butylbenzene	0.82	U	0.82	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.67	U	0.67	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.86	U	0.86	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	1.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.68	U	0.68	5.00	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.10	U	1.10	5.00	ug/L
74-88-4	Methyl Iodide	0.91	U	0.91	5.00	ug/L
80-62-6	Methyl methacrylate	0.71	U	0.71	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.6		91 - 110	102%	SPK: 30
2037-26-5	Toluene-d8	31.0		91 - 112	103%	SPK: 30
460-00-4	4-Bromofluorobenzene	28.6		63 - 112	95%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	19800	7.818			
540-36-3	1,4-Difluorobenzene	120000	9.094			
3114-55-4	Chlorobenzene-d5	103000	11.865			

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:	Tetra Tech NUS, Inc.	Date Collected:	04/09/25
Project:	CTO WE13	Date Received:	04/10/25
Client Sample ID:	TT-075-IDWGW-20250409	SDG No.:	Q1774
Lab Sample ID:	Q1774-04	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086254.D	1		04/11/25 17:03	VN041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.77	U	0.77	5.00	ug/L
74-87-3	Chloromethane	0.64	U	0.64	5.00	ug/L
75-01-4	Vinyl Chloride	0.83	U	0.83	5.00	ug/L
74-83-9	Bromomethane	0.80	U	0.80	5.00	ug/L
75-00-3	Chloroethane	2.30	U	2.30	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.80	U	0.80	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.96	U	0.96	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.76	U	0.76	5.00	ug/L
107-02-8	Acrolein	6.60	U	6.60	25.0	ug/L
107-13-1	Acrylonitrile	2.80	U	2.80	25.0	ug/L
67-64-1	Acetone	21.8	J	4.60	25.0	ug/L
75-15-0	Carbon Disulfide	0.82	UQ	0.82	5.00	ug/L
1634-04-4	Methyl tert-Butyl Ether	0.77	U	0.77	5.00	ug/L
79-20-9	Methyl Acetate	0.91	U	0.91	5.00	ug/L
75-09-2	Methylene Chloride	0.86	U	0.86	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.82	U	0.82	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.68	U	0.68	5.00	ug/L
110-82-7	Cyclohexane	0.92	U	0.92	5.00	ug/L
78-93-3	2-Butanone	2.00	U	2.00	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.74	U	0.74	5.00	ug/L
594-20-7	2,2-Dichloropropane	0.66	U	0.66	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.80	U	0.80	5.00	ug/L
67-66-3	Chloroform	0.55	U	0.55	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.63	U	0.63	5.00	ug/L
108-87-2	Methylcyclohexane	0.73	U	0.73	5.00	ug/L
563-58-6	1,1-Dichloropropene	0.63	U	0.63	5.00	ug/L
71-43-2	Benzene	0.45	U	0.45	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.50	5.00	ug/L
79-01-6	Trichloroethene	28.0		0.49	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	0.46	5.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	04/09/25
Project:	CTO WE13	Date Received:	04/10/25
Client Sample ID:	TT-075-IDWGW-20250409	SDG No.:	Q1774
Lab Sample ID:	Q1774-04	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086254.D	1		04/11/25 17:03	VN041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
74-95-3	Dibromomethane	0.59	U	0.59	5.00	ug/L
75-27-4	Bromodichloromethane	0.64	U	0.64	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	3.00	U	3.00	25.0	ug/L
108-88-3	Toluene	0.46	U	0.46	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.72	U	0.72	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.67	U	0.67	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.55	J	0.45	5.00	ug/L
142-28-9	1,3-Dichloropropane	0.44	U	0.44	5.00	ug/L
591-78-6	2-Hexanone	3.20	U	3.20	25.0	ug/L
124-48-1	Dibromochloromethane	0.66	U	0.66	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	0.56	5.00	ug/L
127-18-4	Tetrachloroethene	0.84	U	0.84	5.00	ug/L
108-90-7	Chlorobenzene	0.47	U	0.47	5.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.62	U	0.62	5.00	ug/L
67-72-1	Hexachloroethane	0.98	U	0.98	5.00	ug/L
100-41-4	Ethyl Benzene	0.56	U	0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.0	ug/L
95-47-6	o-Xylene	0.67	U	0.67	5.00	ug/L
100-42-5	Styrene	0.72	U	0.72	5.00	ug/L
75-25-2	Bromoform	0.94	U	0.94	5.00	ug/L
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.44	U	0.44	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.62	U	0.62	5.00	ug/L
108-86-1	Bromobenzene	0.59	U	0.59	5.00	ug/L
103-65-1	n-propylbenzene	0.67	U	0.67	5.00	ug/L
95-49-8	2-Chlorotoluene	0.64	U	0.64	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.59	U	0.59	5.00	ug/L
106-43-4	4-Chlorotoluene	0.62	U	0.62	5.00	ug/L
98-06-6	tert-butylbenzene	0.71	U	0.71	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.77	U	0.77	5.00	ug/L
135-98-8	sec-Butylbenzene	0.64	U	0.64	5.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	04/09/25
Project:	CTO WE13	Date Received:	04/10/25
Client Sample ID:	TT-075-IDWGW-20250409	SDG No.:	Q1774
Lab Sample ID:	Q1774-04	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086254.D	1		04/11/25 17:03	VN041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-87-6	p-Isopropyltoluene	0.70	U	0.70	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.67	U	0.67	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.81	U	0.81	5.00	ug/L
104-51-8	n-Butylbenzene	0.82	U	0.82	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.67	U	0.67	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.86	U	0.86	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	1.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.68	U	0.68	5.00	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.10	U	1.10	5.00	ug/L
74-88-4	Methyl Iodide	0.91	U	0.91	5.00	ug/L
80-62-6	Methyl methacrylate	0.71	U	0.71	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.2		91 - 110	101%	SPK: 30
2037-26-5	Toluene-d8	31.4		91 - 112	105%	SPK: 30
460-00-4	4-Bromofluorobenzene	28.6		63 - 112	95%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	29600	7.806			
540-36-3	1,4-Difluorobenzene	180000	9.1			
3114-55-4	Chlorobenzene-d5	151000	11.865			

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.: Q1774

Client: Tetra Tech NUS, Inc.

Analytical Method: SW624.1

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1774-02	TT-073-IDWGW-20250409	1,2-Dichloroethane-d4	30	30.3	101	91	110
		Toluene-d8	30	30.1	100	91	112
		4-Bromofluorobenzene	30	29.0	97	63	112
Q1774-03	TT-074-IDWGW-20250409	1,2-Dichloroethane-d4	30	30.6	102	91	110
		Toluene-d8	30	31.0	103	91	112
		4-Bromofluorobenzene	30	28.6	95	63	112
Q1774-04	TT-075-IDWGW-20250409	1,2-Dichloroethane-d4	30	30.2	101	91	110
		Toluene-d8	30	31.4	105	91	112
		4-Bromofluorobenzene	30	28.6	95	63	112
VN0411WBL01	VN0411WBL01	1,2-Dichloroethane-d4	30	30.7	102	91	110
		Toluene-d8	30	30.8	103	91	112
		4-Bromofluorobenzene	30	28.6	95	63	112
VN0411WBS01	VN0411WBS01	1,2-Dichloroethane-d4	30	30.5	102	91	110
		Toluene-d8	30	30.3	101	91	112
		4-Bromofluorobenzene	30	29.8	99	63	112
VN0411WBSD0	VN0411WBSD01	1,2-Dichloroethane-d4	30	30.2	101	91	110
		Toluene-d8	30	29.8	99	91	112
		4-Bromofluorobenzene	30	29.6	99	63	112

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1774

Client: Tetra Tech NUS, Inc.

Analytical Method: SW624.1 **Datafile :** VN086249.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0411WBS01	Dichlorodifluoromethane	20	22.7	ug/L	114			72	118	
	Chloromethane	20	21.6	ug/L	108			1	205	
	Vinyl Chloride	20	21.5	ug/L	108			5	195	
	Bromomethane	20	20.4	ug/L	102			15	185	
	Chloroethane	20	21.1	ug/L	106			40	160	
	Trichlorofluoromethane	20	21.5	ug/L	108			50	150	
	1,1,2-Trichlorotrifluoroethane	20	21.8	ug/L	109			64	127	
	1,1-Dichloroethene	20	21.4	ug/L	107			50	150	
	Acrolein	100	78.0	ug/L	78			60	140	
	Acrylonitrile	100	99.6	ug/L	100			60	140	
	Acetone	100	95.5	ug/L	96			41	148	
	Carbon disulfide	20	21.8	ug/L	109		*	76	107	
	Methyl tert-butyl Ether	20	21.2	ug/L	106			82	114	
	Methyl Acetate	20	20.1	ug/L	101			63	139	
	Methylene Chloride	20	21.2	ug/L	106			60	140	
	trans-1,2-Dichloroethene	20	20.9	ug/L	104			70	130	
	1,1-Dichloroethane	20	21.7	ug/L	109			70	130	
	Cyclohexane	20	21.6	ug/L	108			79	113	
	2-Butanone	100	96.8	ug/L	97			69	129	
	Carbon Tetrachloride	20	20.9	ug/L	104			70	130	
	2,2-Dichloropropane	20	21.1	ug/L	106			62	139	
	cis-1,2-Dichloroethene	20	21.4	ug/L	107			81	112	
	Chloroform	20	21.7	ug/L	109			70	135	
	1,1,1-Trichloroethane	20	20.7	ug/L	104			70	130	
	Methylcyclohexane	20	20.9	ug/L	104			79	112	
	1,1-Dichloropropene	20	20.8	ug/L	104			70	139	
	Benzene	20	21.0	ug/L	105			65	135	
	1,2-Dichloroethane	20	20.9	ug/L	104			70	130	
	Trichloroethene	20	20.2	ug/L	101			65	135	
	1,2-Dichloropropane	20	20.9	ug/L	104			35	165	
	Dibromomethane	20	20.0	ug/L	100			72	138	
	Bromodichloromethane	20	20.6	ug/L	103			65	135	
	4-Methyl-2-Pentanone	100	100	ug/L	100			73	131	
	Toluene	20	21.4	ug/L	107			70	130	
	t-1,3-Dichloropropene	20	20.5	ug/L	103			50	150	
	cis-1,3-Dichloropropene	20	20.7	ug/L	104			25	175	
	1,1,2-Trichloroethane	20	20.4	ug/L	102			70	130	
	1,3-Dichloropropane	20	20.9	ug/L	104			70	141	
	2-Hexanone	100	100	ug/L	100			72	128	
	Dibromochloromethane	20	20.4	ug/L	102			70	135	
	1,2-Dibromoethane	20	20.0	ug/L	100			86	114	
	Tetrachloroethene	20	20.9	ug/L	104			70	130	
	Chlorobenzene	20	20.6	ug/L	103			65	135	
	1,1,1,2-Tetrachloroethane	20	21.3	ug/L	106			63	138	
	Hexachloroethane	20	20.4	ug/L	102			70	130	
	Ethyl Benzene	20	21.0	ug/L	105			60	140	
	m/p-Xylenes	40	41.7	ug/L	104			87	111	
	o-Xylene	20	21.1	ug/L	106			87	111	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1774

Client: Tetra Tech NUS, Inc.

Analytical Method: SW624.1 **Datafile :** VN086249.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0411WBS01	Styrene	20	20.9	ug/L	104			85	106	
	Bromoform	20	19.9	ug/L	100			70	130	
	Isopropylbenzene	20	21.2	ug/L	106			86	112	
	1,1,2,2-Tetrachloroethane	20	20.8	ug/L	104			60	140	
	1,2,3-Trichloropropane	20	20.3	ug/L	102			61	148	
	Bromobenzene	20	20.6	ug/L	103			59	142	
	N-propylbenzene	20	21.2	ug/L	106			67	139	
	2-Chlorotoluene	20	21.0	ug/L	105			66	138	
	1,3,5-Trimethylbenzene	20	21.4	ug/L	107			66	139	
	4-Chlorotoluene	20	20.6	ug/L	103			66	141	
	tert-Butylbenzene	20	20.7	ug/L	104			56	140	
	1,2,4-Trimethylbenzene	20	20.8	ug/L	104			63	142	
	Sec-butylbenzene	20	21.4	ug/L	107			63	144	
	p-Isopropyltoluene	20	21.3	ug/L	106			57	147	
	1,3-Dichlorobenzene	20	20.4	ug/L	102			70	130	
	1,4-Dichlorobenzene	20	20.4	ug/L	102			65	135	
	n-Butylbenzene	20	21.8	ug/L	109			49	157	
	1,2-Dichlorobenzene	20	20.0	ug/L	100			65	135	
	1,2-Dibromo-3-Chloropropane	20	18.5	ug/L	93			69	122	
	1,2,4-Trichlorobenzene	20	19.7	ug/L	99			61	118	
	Hexachlorobutadiene	20	19.2	ug/L	96			16	187	
	Naphthalene	20	18.4	ug/L	92			45	152	
	1,2,3-Trichlorobenzene	20	19.7	ug/L	99			38	159	
	Methyl iodide	20	21.2	ug/L	106			70	130	
	Methyl methacrylate	20	20.2	ug/L	101			70	130	

Alliance TECHNICAL GROUP
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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1774

Client: Tetra Tech NUS, Inc.

Analytical Method: SW624.1 **Datafile :** VN086250.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0411WBSD01	Dichlorodifluoromethane	20	20.2	ug/L	101	12		72	118	20
	Chloromethane	20	19.2	ug/L	96	12		1	205	20
	Vinyl Chloride	20	19.3	ug/L	97	11		5	195	20
	Bromomethane	20	19.2	ug/L	96	6		15	185	20
	Chloroethane	20	19.1	ug/L	96	10		40	160	20
	Trichlorofluoromethane	20	19.4	ug/L	97	11		50	150	20
	1,1,2-Trichlorotrifluoroethane	20	19.7	ug/L	99	10		64	127	20
	1,1-Dichloroethene	20	19.1	ug/L	96	11		50	150	20
	Acrolein	100	97.7	ug/L	98	23	*	60	140	20
	Acrylonitrile	100	100	ug/L	100	0		60	140	20
	Acetone	100	100	ug/L	100	4		41	148	20
	Carbon disulfide	20	19.0	ug/L	95	14		76	107	20
	Methyl tert-butyl Ether	20	21.1	ug/L	106	0		82	114	20
	Methyl Acetate	20	20.9	ug/L	104	3		63	139	20
	Methylene Chloride	20	19.9	ug/L	100	6		60	140	20
	trans-1,2-Dichloroethene	20	18.8	ug/L	94	10		70	130	20
	1,1-Dichloroethane	20	20.1	ug/L	101	8		70	130	20
	Cyclohexane	20	19.3	ug/L	97	11		79	113	20
	2-Butanone	100	110	ug/L	110	13		69	129	20
	Carbon Tetrachloride	20	20.6	ug/L	103	1		70	130	20
	2,2-Dichloropropane	20	20.6	ug/L	103	3		62	139	20
	cis-1,2-Dichloroethene	20	19.7	ug/L	99	8		81	112	20
	Chloroform	20	19.9	ug/L	100	9		70	135	20
	1,1,1-Trichloroethane	20	20.3	ug/L	102	2		70	130	20
	Methylcyclohexane	20	20.1	ug/L	101	3		79	112	20
	1,1-Dichloropropene	20	20.6	ug/L	103	1		70	139	20
	Benzene	20	20.8	ug/L	104	1		65	135	20
	1,2-Dichloroethane	20	21.4	ug/L	107	3		70	130	20
	Trichloroethene	20	20.5	ug/L	103	2		65	135	20
	1,2-Dichloropropane	20	21.4	ug/L	107	3		35	165	20
	Dibromomethane	20	21.2	ug/L	106	6		72	138	20
	Bromodichloromethane	20	21.2	ug/L	106	3		65	135	20
	4-Methyl-2-Pentanone	100	110	ug/L	110	10		73	131	20
	Toluene	20	20.7	ug/L	104	3		70	130	20
	t-1,3-Dichloropropene	20	21.4	ug/L	107	4		50	150	20
	cis-1,3-Dichloropropene	20	21.4	ug/L	107	3		25	175	20
	1,1,2-Trichloroethane	20	21.6	ug/L	108	6		70	130	20
	1,3-Dichloropropane	20	21.9	ug/L	110	6		70	141	20
	2-Hexanone	100	110	ug/L	110	10		72	128	20
	Dibromochloromethane	20	21.7	ug/L	109	7		70	135	20
	1,2-Dibromoethane	20	21.5	ug/L	108	8		86	114	20
	Tetrachloroethene	20	20.3	ug/L	102	2		70	130	20
	Chlorobenzene	20	20.6	ug/L	103	0		65	135	20
	1,1,1,2-Tetrachloroethane	20	21.2	ug/L	106	0		63	138	20
	Hexachloroethane	20	19.5	ug/L	98	4		70	130	20
	Ethyl Benzene	20	20.2	ug/L	101	4		60	140	20
	m/p-Xylenes	40	40.7	ug/L	102	2		87	111	20
	o-Xylene	20	20.8	ug/L	104	2		87	111	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1774

Client: Tetra Tech NUS, Inc.

Analytical Method: SW624.1 **Datafile :** VN086250.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0411WBSD01	Styrene	20	20.9	ug/L	104	0		85	106	20
	Bromoform	20	20.8	ug/L	104	4		70	130	20
	Isopropylbenzene	20	20.4	ug/L	102	4		86	112	20
	1,1,2,2-Tetrachloroethane	20	21.6	ug/L	108	4		60	140	20
	1,2,3-Trichloropropane	20	21.3	ug/L	106	4		61	148	20
	Bromobenzene	20	20.7	ug/L	104	1		59	142	20
	N-propylbenzene	20	20.3	ug/L	102	4		67	139	20
	2-Chlorotoluene	20	20.1	ug/L	101	4		66	138	20
	1,3,5-Trimethylbenzene	20	20.5	ug/L	103	4		66	139	20
	4-Chlorotoluene	20	20.0	ug/L	100	3		66	141	20
	tert-Butylbenzene	20	19.8	ug/L	99	5		56	140	20
	1,2,4-Trimethylbenzene	20	20.5	ug/L	103	1		63	142	20
	Sec-butylbenzene	20	20.2	ug/L	101	6		63	144	20
	p-Isopropyltoluene	20	20.1	ug/L	101	5		57	147	20
	1,3-Dichlorobenzene	20	20.3	ug/L	102	0		70	130	20
	1,4-Dichlorobenzene	20	20.1	ug/L	101	1		65	135	20
	n-Butylbenzene	20	20.3	ug/L	102	7		49	157	20
	1,2-Dichlorobenzene	20	20.5	ug/L	103	3		65	135	20
	1,2-Dibromo-3-Chloropropane	20	20.5	ug/L	103	10		69	122	20
	1,2,4-Trichlorobenzene	20	20.5	ug/L	103	4		61	118	20
	Hexachlorobutadiene	20	19.2	ug/L	96	0		16	187	20
	Naphthalene	20	20.7	ug/L	104	12		45	152	20
	1,2,3-Trichlorobenzene	20	20.5	ug/L	103	4		38	159	20
	Methyl iodide	20	19.1	ug/L	96	10		70	130	20
	Methyl methacrylate	20	21.1	ug/L	106	5		70	130	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0411WBL01

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1774 SAS No.: Q1774 SDG NO.: Q1774

Lab File ID: VN086251.D Lab Sample ID: VN0411WBL01

Date Analyzed: 04/11/2025 Time Analyzed: 15:40

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0411WBS01	VN0411WBS01	VN086249.D	04/11/2025
VN0411WBSD01	VN0411WBSD01	VN086250.D	04/11/2025
TT-073-IDWGW-20250409	Q1774-02	VN086252.D	04/11/2025
TT-074-IDWGW-20250409	Q1774-03	VN086253.D	04/11/2025
TT-075-IDWGW-20250409	Q1774-04	VN086254.D	04/11/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1774 SAS No.: Q1774 SDG NO.: Q1774

Lab File ID: VN086241.D BFB Injection Date: 04/11/2025

Instrument ID: MSVOA_N BFB Injection Time: 09:52

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.1
75	30.0 - 60.0% of mass 95	51.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	0.3 (0.4) 1
174	50.0 - 100.0% of mass 95	67.2
175	5.0 - 9.0% of mass 174	4.8 (7.1) 1
176	95.0 - 101.0% of mass 174	64.9 (96.7) 1
177	5.0 - 9.0% of mass 176	4.2 (6.4) 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
VSTDICC100	VSTDICC100	VN086242.D	04/11/2025	11:04
VSTDICC050	VSTDICC050	VN086244.D	04/11/2025	11:52
VSTDICCC020	VSTDICCC020	VN086245.D	04/11/2025	12:16
VSTDICC005	VSTDICC005	VN086246.D	04/11/2025	12:40
VN0411WBS01	VN0411WBS01	VN086249.D	04/11/2025	14:38
VN0411WBSD01	VN0411WBSD01	VN086250.D	04/11/2025	15:16
VN0411WBL01	VN0411WBL01	VN086251.D	04/11/2025	15:40
TT-073-IDWGW-20250409	Q1774-02	VN086252.D	04/11/2025	16:15
TT-074-IDWGW-20250409	Q1774-03	VN086253.D	04/11/2025	16:39
TT-075-IDWGW-20250409	Q1774-04	VN086254.D	04/11/2025	17:03
VSTDCCC020EC	VSTDCCC020	VN086255.D	04/11/2025	17:28

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1774 SAS No.: Q1774 SDG NO.: Q1774

Lab File ID: VN086245.D Date Analyzed: 04/11/2025

Instrument ID: MSVOA_N Time Analyzed: 12:16

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	30974	7.81	185020	9.10	163907	11.87
UPPER LIMIT	61948	8.312	370040	9.6	327814	12.365
LOWER LIMIT	15487	7.312	92510	8.6	81953.5	11.365
EPA SAMPLE NO.						
TT-073-IDWGW-20250409	16665	7.82	98006	9.10	84075	11.87
TT-074-IDWGW-20250409	19774	7.82	120171	9.09	102960	11.87
TT-075-IDWGW-20250409	29637	7.81	180090	9.10	151244	11.87
VN0411WBL01	32111	7.81	197127	9.10	168421	11.87
VN0411WBS01	32103	7.81	201467	9.10	175632	11.87
VN0411WBSD01	34735	7.81	202525	9.10	180363	11.86

IS1 = Bromochloromethane
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.

QC SAMPLE DATA

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VN0411WBL01	SDG No.:	Q1774
Lab Sample ID:	VN0411WBL01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086251.D	1		04/11/25 15:40	VN041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.77	U	0.77	5.00	ug/L
74-87-3	Chloromethane	0.64	U	0.64	5.00	ug/L
75-01-4	Vinyl Chloride	0.83	U	0.83	5.00	ug/L
74-83-9	Bromomethane	0.80	U	0.80	5.00	ug/L
75-00-3	Chloroethane	2.30	U	2.30	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.80	U	0.80	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.96	U	0.96	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.76	U	0.76	5.00	ug/L
107-02-8	Acrolein	6.60	U	6.60	25.0	ug/L
107-13-1	Acrylonitrile	2.80	U	2.80	25.0	ug/L
67-64-1	Acetone	4.60	U	4.60	25.0	ug/L
75-15-0	Carbon Disulfide	0.82	U	0.82	5.00	ug/L
1634-04-4	Methyl tert-Butyl Ether	0.77	U	0.77	5.00	ug/L
79-20-9	Methyl Acetate	0.91	U	0.91	5.00	ug/L
75-09-2	Methylene Chloride	0.86	U	0.86	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.82	U	0.82	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.68	U	0.68	5.00	ug/L
110-82-7	Cyclohexane	0.92	U	0.92	5.00	ug/L
78-93-3	2-Butanone	2.00	U	2.00	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.74	U	0.74	5.00	ug/L
594-20-7	2,2-Dichloropropane	0.66	U	0.66	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.80	U	0.80	5.00	ug/L
67-66-3	Chloroform	0.55	U	0.55	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.63	U	0.63	5.00	ug/L
108-87-2	Methylcyclohexane	0.73	U	0.73	5.00	ug/L
563-58-6	1,1-Dichloropropene	0.63	U	0.63	5.00	ug/L
71-43-2	Benzene	0.45	U	0.45	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.50	5.00	ug/L
79-01-6	Trichloroethene	0.49	U	0.49	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	0.46	5.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VN0411WBL01	SDG No.:	Q1774
Lab Sample ID:	VN0411WBL01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086251.D	1		04/11/25 15:40	VN041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
74-95-3	Dibromomethane	0.59	U	0.59	5.00	ug/L
75-27-4	Bromodichloromethane	0.64	U	0.64	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	3.00	U	3.00	25.0	ug/L
108-88-3	Toluene	0.46	U	0.46	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.72	U	0.72	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.67	U	0.67	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.45	U	0.45	5.00	ug/L
142-28-9	1,3-Dichloropropane	0.44	U	0.44	5.00	ug/L
591-78-6	2-Hexanone	3.20	U	3.20	25.0	ug/L
124-48-1	Dibromochloromethane	0.66	U	0.66	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.56	U	0.56	5.00	ug/L
127-18-4	Tetrachloroethene	0.84	U	0.84	5.00	ug/L
108-90-7	Chlorobenzene	0.47	U	0.47	5.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.62	U	0.62	5.00	ug/L
67-72-1	Hexachloroethane	0.98	U	0.98	5.00	ug/L
100-41-4	Ethyl Benzene	0.56	U	0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.0	ug/L
95-47-6	o-Xylene	0.67	U	0.67	5.00	ug/L
100-42-5	Styrene	0.72	U	0.72	5.00	ug/L
75-25-2	Bromoform	0.94	U	0.94	5.00	ug/L
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.44	U	0.44	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.62	U	0.62	5.00	ug/L
108-86-1	Bromobenzene	0.59	U	0.59	5.00	ug/L
103-65-1	n-propylbenzene	0.67	U	0.67	5.00	ug/L
95-49-8	2-Chlorotoluene	0.64	U	0.64	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.59	U	0.59	5.00	ug/L
106-43-4	4-Chlorotoluene	0.62	U	0.62	5.00	ug/L
98-06-6	tert-butylbenzene	0.71	U	0.71	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.77	U	0.77	5.00	ug/L
135-98-8	sec-Butylbenzene	0.64	U	0.64	5.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VN0411WBL01	SDG No.:	Q1774
Lab Sample ID:	VN0411WBL01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086251.D	1		04/11/25 15:40	VN041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-87-6	p-Isopropyltoluene	0.70	U	0.70	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.67	U	0.67	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.81	U	0.81	5.00	ug/L
104-51-8	n-Butylbenzene	0.82	U	0.82	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.67	U	0.67	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.86	U	0.86	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	1.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.68	U	0.68	5.00	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.10	U	1.10	5.00	ug/L
74-88-4	Methyl Iodide	0.91	U	0.91	5.00	ug/L
80-62-6	Methyl methacrylate	0.71	U	0.71	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.7		91 - 110	102%	SPK: 30
2037-26-5	Toluene-d8	30.8		91 - 112	103%	SPK: 30
460-00-4	4-Bromofluorobenzene	28.6		63 - 112	95%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	32100	7.812			
540-36-3	1,4-Difluorobenzene	197000	9.1			
3114-55-4	Chlorobenzene-d5	168000	11.865			

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:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VN0411WBS01	SDG No.:	Q1774
Lab Sample ID:	VN0411WBS01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086249.D	1		04/11/25 14:38	VN041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	22.7		0.77	5.00	ug/L
74-87-3	Chloromethane	21.6		0.64	5.00	ug/L
75-01-4	Vinyl Chloride	21.5		0.83	5.00	ug/L
74-83-9	Bromomethane	20.4		0.80	5.00	ug/L
75-00-3	Chloroethane	21.1		2.30	5.00	ug/L
75-69-4	Trichlorofluoromethane	21.5		0.80	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.8		0.96	5.00	ug/L
75-35-4	1,1-Dichloroethene	21.4		0.76	5.00	ug/L
107-02-8	Acrolein	78.0		6.60	25.0	ug/L
107-13-1	Acrylonitrile	99.6		2.80	25.0	ug/L
67-64-1	Acetone	95.5		4.60	25.0	ug/L
75-15-0	Carbon Disulfide	21.8		0.82	5.00	ug/L
1634-04-4	Methyl tert-Butyl Ether	21.2		0.77	5.00	ug/L
79-20-9	Methyl Acetate	20.1		0.91	5.00	ug/L
75-09-2	Methylene Chloride	21.2		0.86	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.9		0.82	5.00	ug/L
75-34-3	1,1-Dichloroethane	21.7		0.68	5.00	ug/L
110-82-7	Cyclohexane	21.6		0.92	5.00	ug/L
78-93-3	2-Butanone	96.8		2.00	25.0	ug/L
56-23-5	Carbon Tetrachloride	20.9		0.74	5.00	ug/L
594-20-7	2,2-Dichloropropane	21.1		0.66	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	21.4		0.80	5.00	ug/L
67-66-3	Chloroform	21.7		0.55	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.7		0.63	5.00	ug/L
108-87-2	Methylcyclohexane	20.9		0.73	5.00	ug/L
563-58-6	1,1-Dichloropropene	20.8		0.63	5.00	ug/L
71-43-2	Benzene	21.0		0.45	5.00	ug/L
107-06-2	1,2-Dichloroethane	20.9		0.50	5.00	ug/L
79-01-6	Trichloroethene	20.2		0.49	5.00	ug/L
78-87-5	1,2-Dichloropropane	20.9		0.46	5.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VN0411WBS01	SDG No.:	Q1774
Lab Sample ID:	VN0411WBS01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086249.D	1		04/11/25 14:38	VN041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
74-95-3	Dibromomethane	20.0		0.59	5.00	ug/L
75-27-4	Bromodichloromethane	20.6		0.64	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		3.00	25.0	ug/L
108-88-3	Toluene	21.4		0.46	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	20.5		0.72	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.7		0.67	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.4		0.45	5.00	ug/L
142-28-9	1,3-Dichloropropane	20.9		0.44	5.00	ug/L
591-78-6	2-Hexanone	100		3.20	25.0	ug/L
124-48-1	Dibromochloromethane	20.4		0.66	5.00	ug/L
106-93-4	1,2-Dibromoethane	20.0		0.56	5.00	ug/L
127-18-4	Tetrachloroethene	20.9		0.84	5.00	ug/L
108-90-7	Chlorobenzene	20.6		0.47	5.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	21.3		0.62	5.00	ug/L
67-72-1	Hexachloroethane	20.4		0.98	5.00	ug/L
100-41-4	Ethyl Benzene	21.0		0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	41.7		1.30	10.0	ug/L
95-47-6	o-Xylene	21.1		0.67	5.00	ug/L
100-42-5	Styrene	20.9		0.72	5.00	ug/L
75-25-2	Bromoform	19.9		0.94	5.00	ug/L
98-82-8	Isopropylbenzene	21.2		0.78	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.8		0.44	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	20.3		0.62	5.00	ug/L
108-86-1	Bromobenzene	20.6		0.59	5.00	ug/L
103-65-1	n-propylbenzene	21.2		0.67	5.00	ug/L
95-49-8	2-Chlorotoluene	21.0		0.64	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	21.4		0.59	5.00	ug/L
106-43-4	4-Chlorotoluene	20.6		0.62	5.00	ug/L
98-06-6	tert-butylbenzene	20.7		0.71	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	20.8		0.77	5.00	ug/L
135-98-8	sec-Butylbenzene	21.4		0.64	5.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VN0411WBS01	SDG No.:	Q1774
Lab Sample ID:	VN0411WBS01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086249.D	1		04/11/25 14:38	VN041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-87-6	p-Isopropyltoluene	21.3		0.70	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.4		0.67	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.4		0.81	5.00	ug/L
104-51-8	n-Butylbenzene	21.8		0.82	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.0		0.67	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.5		0.86	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.7		1.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	19.2		0.68	5.00	ug/L
91-20-3	Naphthalene	18.4		1.00	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.7		1.10	5.00	ug/L
74-88-4	Methyl Iodide	21.2		0.91	5.00	ug/L
80-62-6	Methyl methacrylate	20.2		0.71	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.5		91 - 110	102%	SPK: 30
2037-26-5	Toluene-d8	30.3		91 - 112	101%	SPK: 30
460-00-4	4-Bromofluorobenzene	29.8		63 - 112	99%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	32100	7.812			
540-36-3	1,4-Difluorobenzene	201000	9.1			
3114-55-4	Chlorobenzene-d5	176000	11.865			

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:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VN0411WBSD01	SDG No.:	Q1774
Lab Sample ID:	VN0411WBSD01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086250.D	1		04/11/25 15:16	VN041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.2		0.77	5.00	ug/L
74-87-3	Chloromethane	19.2		0.64	5.00	ug/L
75-01-4	Vinyl Chloride	19.3		0.83	5.00	ug/L
74-83-9	Bromomethane	19.2		0.80	5.00	ug/L
75-00-3	Chloroethane	19.1		2.30	5.00	ug/L
75-69-4	Trichlorofluoromethane	19.4		0.80	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.7		0.96	5.00	ug/L
75-35-4	1,1-Dichloroethene	19.1		0.76	5.00	ug/L
107-02-8	Acrolein	97.7		6.60	25.0	ug/L
107-13-1	Acrylonitrile	100		2.80	25.0	ug/L
67-64-1	Acetone	100		4.60	25.0	ug/L
75-15-0	Carbon Disulfide	19.0		0.82	5.00	ug/L
1634-04-4	Methyl tert-Butyl Ether	21.1		0.77	5.00	ug/L
79-20-9	Methyl Acetate	20.9		0.91	5.00	ug/L
75-09-2	Methylene Chloride	19.9		0.86	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.8		0.82	5.00	ug/L
75-34-3	1,1-Dichloroethane	20.1		0.68	5.00	ug/L
110-82-7	Cyclohexane	19.3		0.92	5.00	ug/L
78-93-3	2-Butanone	110		2.00	25.0	ug/L
56-23-5	Carbon Tetrachloride	20.6		0.74	5.00	ug/L
594-20-7	2,2-Dichloropropane	20.6		0.66	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.7		0.80	5.00	ug/L
67-66-3	Chloroform	19.9		0.55	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.3		0.63	5.00	ug/L
108-87-2	Methylcyclohexane	20.1		0.73	5.00	ug/L
563-58-6	1,1-Dichloropropene	20.6		0.63	5.00	ug/L
71-43-2	Benzene	20.8		0.45	5.00	ug/L
107-06-2	1,2-Dichloroethane	21.4		0.50	5.00	ug/L
79-01-6	Trichloroethene	20.5		0.49	5.00	ug/L
78-87-5	1,2-Dichloropropane	21.4		0.46	5.00	ug/L

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VN0411WBSD01	SDG No.:	Q1774
Lab Sample ID:	VN0411WBSD01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086250.D	1		04/11/25 15:16	VN041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
74-95-3	Dibromomethane	21.2		0.59	5.00	ug/L
75-27-4	Bromodichloromethane	21.2		0.64	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		3.00	25.0	ug/L
108-88-3	Toluene	20.7		0.46	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	21.4		0.72	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.4		0.67	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.6		0.45	5.00	ug/L
142-28-9	1,3-Dichloropropane	21.9		0.44	5.00	ug/L
591-78-6	2-Hexanone	110		3.20	25.0	ug/L
124-48-1	Dibromochloromethane	21.7		0.66	5.00	ug/L
106-93-4	1,2-Dibromoethane	21.5		0.56	5.00	ug/L
127-18-4	Tetrachloroethene	20.3		0.84	5.00	ug/L
108-90-7	Chlorobenzene	20.6		0.47	5.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	21.2		0.62	5.00	ug/L
67-72-1	Hexachloroethane	19.5		0.98	5.00	ug/L
100-41-4	Ethyl Benzene	20.2		0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	40.7		1.30	10.0	ug/L
95-47-6	o-Xylene	20.8		0.67	5.00	ug/L
100-42-5	Styrene	20.9		0.72	5.00	ug/L
75-25-2	Bromoform	20.8		0.94	5.00	ug/L
98-82-8	Isopropylbenzene	20.4		0.78	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.6		0.44	5.00	ug/L
96-18-4	1,2,3-Trichloropropane	21.3		0.62	5.00	ug/L
108-86-1	Bromobenzene	20.7		0.59	5.00	ug/L
103-65-1	n-propylbenzene	20.3		0.67	5.00	ug/L
95-49-8	2-Chlorotoluene	20.1		0.64	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	20.5		0.59	5.00	ug/L
106-43-4	4-Chlorotoluene	20.0		0.62	5.00	ug/L
98-06-6	tert-butylbenzene	19.8		0.71	5.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	20.5		0.77	5.00	ug/L
135-98-8	sec-Butylbenzene	20.2		0.64	5.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	VN0411WBSD01	SDG No.:	Q1774
Lab Sample ID:	VN0411WBSD01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group4
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086250.D	1		04/11/25 15:16	VN041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
99-87-6	p-Isopropyltoluene	20.1		0.70	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.3		0.67	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.1		0.81	5.00	ug/L
104-51-8	n-Butylbenzene	20.3		0.82	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.5		0.67	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.5		0.86	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.5		1.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	19.2		0.68	5.00	ug/L
91-20-3	Naphthalene	20.7		1.00	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.5		1.10	5.00	ug/L
74-88-4	Methyl Iodide	19.1		0.91	5.00	ug/L
80-62-6	Methyl methacrylate	21.1		0.71	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.2		91 - 110	101%	SPK: 30
2037-26-5	Toluene-d8	29.8		91 - 112	99%	SPK: 30
460-00-4	4-Bromofluorobenzene	29.6		63 - 112	99%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	34700	7.812			
540-36-3	1,4-Difluorobenzene	203000	9.1			
3114-55-4	Chlorobenzene-d5	180000	11.859			

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

CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1774 SAS No.: Q1774 SDG No.: Q1774

Instrument ID: MSVOA_N Calibration Date(s): 04/11/2025 04/11/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:04 12:40

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF100 = VN086242.D RRF050 = VN086244.D RRF020 = VN086245.D
RRF005 = VN086246.D RRF = RRF =

COMPOUND	RRF100	RRF050	RRF020	RRF005	RRF	RRF	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	2.460	2.758	2.325	2.072			2.404	11.9
Chloromethane	3.236	3.617	3.094	3.342			3.322	6.7
Vinyl Chloride	3.116	3.535	3.007	3.000			3.164	8
Bromomethane	1.382	1.638	1.475	1.819			1.578	12.2
Chloroethane	1.887	2.187	1.860	2.059			1.998	7.7
Trichlorofluoromethane	3.329	3.883	3.207	3.311			3.433	8.9
1,1,2-Trichlorotrifluoroethane	2.040	2.381	1.998	2.048			2.117	8.4
1,1-Dichloroethene	2.111	2.464	2.145	2.418			2.284	8
Acrolein	0.387	0.329	0.270	0.481			0.367	24.6
Acrylonitrile	1.263	1.506	1.282	1.397			1.362	8.3
Acetone	0.300	0.389	0.329	0.363			0.345	11.3
Carbon Disulfide	6.053	6.710	6.274	7.165			6.550	7.5
Methyl tert-Butyl Ether	7.709	9.105	7.691	8.471			8.244	8.2
Methyl Acetate	2.942	3.736	2.970	3.256			3.226	11.4
Methylene Chloride	2.407	2.766	2.387	2.858			2.605	9.3
trans-1,2-Dichloroethene	2.231	2.557	2.221	2.616			2.406	8.7
1,1-Dichloroethane	4.380	5.082	4.345	4.460			4.567	7.6
Cyclohexane	0.686	0.784	0.660	0.690			0.705	7.7
2-Butanone	0.278	0.336	0.290	0.287			0.298	8.8
Carbon Tetrachloride	0.484	0.562	0.472	0.458			0.494	9.4
2,2-Dichloropropane	0.651	0.733	0.638	0.623			0.662	7.4
cis-1,2-Dichloroethene	2.674	3.101	2.690	3.000			2.866	7.6
Chloroform	4.120	4.832	4.093	4.374			4.355	7.9
1,1,1-Trichloroethane	0.587	0.679	0.586	0.621			0.618	7.1
Methylcyclohexane	0.656	0.714	0.616	0.650			0.659	6.2
1,1-Dichloropropene	0.527	0.592	0.514	0.516			0.537	6.9
Benzene	1.669	1.880	1.633	1.657			1.710	6.7
1,2-Dichloroethane	0.521	0.591	0.512	0.516			0.535	7
Trichloroethene	0.403	0.463	0.396	0.387			0.413	8.3
1,2-Dichloropropane	0.420	0.475	0.405	0.403			0.425	7.9

* 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: TETR06

Lab Code: CHEM Case No.: Q1774 SAS No.: Q1774 SDG No.: Q1774

Instrument ID: MSVOA_N Calibration Date(s): 04/11/2025 04/11/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:04 12:40

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF100 = VN086242.D RRF050 = VN086244.D RRF020 = VN086245.D
RRF005 = VN086246.D RRF = RRF =

COMPOUND	RRF100	RRF050	RRF020	RRF005	RRF	RRF	$\overline{RRF}$	% RSD
Dibromomethane	0.261	0.301	0.260	0.277			0.275	6.9
Bromodichloromethane	0.557	0.636	0.565	0.603			0.590	6.2
4-Methyl-2-Pentanone	0.627	0.758	0.671	0.667			0.681	8.1
Toluene	1.908	2.219	1.941	1.981			2.012	7
t-1,3-Dichloropropene	0.650	0.745	0.633	0.641			0.667	7.8
cis-1,3-Dichloropropene	0.696	0.782	0.677	0.670			0.706	7.3
1,1,2-Trichloroethane	0.364	0.420	0.372	0.385			0.385	6.4
1,3-Dichloropropane	0.664	0.764	0.648	0.671			0.687	7.6
2-Hexanone	0.464	0.571	0.497	0.496			0.507	8.9
Dibromochloromethane	0.407	0.469	0.404	0.406			0.422	7.5
1,2-Dibromoethane	0.371	0.429	0.370	0.386			0.389	7.1
Tetrachloroethene	0.432	0.501	0.424	0.415			0.443	8.9
Chlorobenzene	1.156	1.357	1.179	1.224			1.229	7.3
1,1,1,2-Tetrachloroethane	0.384	0.455	0.390	0.393			0.406	8.1
Hexachloroethane	0.274	0.319	0.265	0.265			0.281	9.3
Ethyl Benzene	2.099	2.496	2.140	2.192			2.232	8.1
m/p-Xylenes	0.795	0.939	0.789	0.796			0.830	8.8
o-Xylene	0.777	0.921	0.779	0.787			0.816	8.6
Styrene	1.315	1.563	1.293	1.334			1.376	9.1
Bromoform	0.262	0.312	0.264	0.265			0.276	8.7
Isopropylbenzene	1.910	2.274	1.917	1.947			2.012	8.7
1,1,2,2-Tetrachloroethane	0.500	0.608	0.558	0.626			0.573	9.9
1,2,3-Trichloropropane	0.550	0.662	0.566	0.606			0.596	8.4
Bromobenzene	0.422	0.505	0.426	0.431			0.446	8.8
n-propylbenzene	2.311	2.708	2.229	2.256			2.376	9.4
2-Chlorotoluene	1.403	1.687	1.412	1.472			1.494	8.9
1,3,5-Trimethylbenzene	1.586	1.865	1.574	1.587			1.653	8.5
4-Chlorotoluene	1.420	1.694	1.383	1.470			1.492	9.4
tert-butylbenzene	1.332	1.584	1.349	1.457			1.430	8.1
1,2,4-Trimethylbenzene	1.607	1.912	1.600	1.586			1.676	9.4

* 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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Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1774 SAS No.: Q1774 SDG No.: Q1774

Instrument ID: MSVOA_N Calibration Date(s): 04/11/2025 04/11/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:04 12:40

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF100 = VN086242.D RRF050 = VN086244.D RRF020 = VN086245.D
RRF005 = VN086246.D RRF = RRF =

COMPOUND	RRF100	RRF050	RRF020	RRF005	RRF	RRF	$\overline{RRF}$	% RSD
sec-Butylbenzene	1.924	2.234	1.909	1.915			1.995	8
p-Isopropyltoluene	1.621	1.891	1.584	1.562			1.664	9.2
1,3-Dichlorobenzene	0.785	0.958	0.773	0.798			0.829	10.5
1,4-Dichlorobenzene	0.785	0.950	0.777	0.813			0.831	9.7
n-Butylbenzene	1.490	1.679	1.420	1.416			1.502	8.2
1,2-Dichlorobenzene	0.761	0.943	0.778	0.791			0.818	10.3
1,2-Dibromo-3-Chloropropane	0.116	0.148	0.128	0.129			0.130	10.3
1,2,4-Trichlorobenzene	0.371	0.439	0.402	0.380			0.398	7.5
Hexachlorobutadiene	0.151	0.176	0.167	0.194			0.172	10.4
Naphthalene	1.396	1.756	1.548	1.578			1.569	9.4
1,2,3-Trichlorobenzene	0.371	0.439	0.402	0.380			0.398	7.5
1,2-Dichloroethane-d4	2.882	2.916	2.904	3.003			2.926	1.8
Toluene-d8	1.673	1.674	1.718	1.710			1.694	1.4
4-Bromofluorobenzene	0.600	0.607	0.594	0.589			0.597	1.3
Methyl Iodide	2.474	2.976	2.463	2.589			2.626	9.2
Methyl methacrylate	0.468	0.558	0.471	0.467			0.491	9

* 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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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1774 SAS No.: Q1774 SDG No.: Q1774

Instrument ID: MSVOA_N Calibration Date/Time: 04/11/2025 17:28

Lab File ID: VN086255.D Init. Calib. Date(s): 04/11/2025 04/11/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:04 12:40

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	2.404	2.329		-3.12	50
Chloromethane	3.322	3.290		-0.96	50
Vinyl Chloride	3.164	3.093	0.1	-2.24	50
Bromomethane	1.578	1.524	0.1	-3.42	50
Chloroethane	1.998	1.989		-0.45	50
Trichlorofluoromethane	3.433	3.320		-3.29	50
1,1,2-Trichlorotrifluoroethane	2.117	1.981		-6.42	50
1,1-Dichloroethene	2.284	2.142	0.1	-6.22	50
Acrolein	0.367	0.303		-17.44	50
Acrylonitrile	1.362	1.283		-5.8	50
Acetone	0.345	0.315		-8.7	50
Carbon Disulfide	6.550	6.271		-4.26	50
Methyl tert-Butyl Ether	8.244	7.740		-6.11	50
Methyl Acetate	3.226	2.973		-7.84	50
Methylene Chloride	2.605	2.476		-4.95	50
trans-1,2-Dichloroethene	2.406	2.267		-5.78	50
1,1-Dichloroethane	4.567	4.406	0.2	-3.53	50
Cyclohexane	0.705	0.688		-2.41	50
2-Butanone	0.298	0.289		-3.02	50
Carbon Tetrachloride	0.494	0.480	0.1	-2.83	50
2,2-Dichloropropane	0.662	0.630		-4.83	50
cis-1,2-Dichloroethene	2.866	2.731		-4.71	50
Chloroform	4.355	4.229	0.2	-2.89	50
1,1,1-Trichloroethane	0.618	0.613	0.1	-0.81	50
Methylcyclohexane	0.659	0.623		-5.46	50
1,1-Dichloropropene	0.537	0.536		-0.19	50
Benzene	1.710	1.702	0.5	-0.47	50
1,2-Dichloroethane	0.535	0.527	0.1	-1.5	50
Trichloroethene	0.413	0.390	0.3	-5.57	50
1,2-Dichloropropane	0.425	0.419		-1.41	50
Dibromomethane	0.275	0.273		-0.73	50
Bromodichloromethane	0.590	0.577	0.2	-2.2	50
4-Methyl-2-Pentanone	0.681	0.675		-0.88	50
Toluene	2.012	2.024	0.4	0.6	50
t-1,3-Dichloropropene	0.667	0.639	0.1	-4.2	50
cis-1,3-Dichloropropene	0.706	0.700	0.2	-0.85	50
1,1,2-Trichloroethane	0.385	0.372	0.1	-3.38	50
1,3-Dichloropropane	0.687	0.678		-1.31	50

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: TETR06

Lab Code: CHEM Case No.: Q1774 SAS No.: Q1774 SDG No.: Q1774

Instrument ID: MSVOA_N Calibration Date/Time: 04/11/2025 17:28

Lab File ID: VN086255.D Init. Calib. Date(s): 04/11/2025 04/11/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:04 12:40

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
2-Hexanone	0.507	0.497		-1.97	50
Dibromochloromethane	0.422	0.409	0.1	-3.08	50
1,2-Dibromoethane	0.389	0.381		-2.06	50
Tetrachloroethene	0.443	0.436	0.2	-1.58	50
Chlorobenzene	1.229	1.213	0.5	-1.3	50
1,1,1,2-Tetrachloroethane	0.406	0.409		0.74	50
Hexachloroethane	0.281	0.270		-3.91	50
Ethyl Benzene	2.232	2.191	0.1	-1.84	50
m/p-Xylenes	0.830	0.800	0.3	-3.61	50
o-Xylene	0.816	0.819	0.3	0.37	50
Styrene	1.376	1.320	0.3	-4.07	50
Bromoform	0.276	0.256	0.1	-7.25	50
Isopropylbenzene	2.012	1.938		-3.68	50
1,1,2,2-Tetrachloroethane	0.573	0.586	0.3	2.27	50
1,2,3-Trichloropropane	0.596	0.572		-4.03	50
Bromobenzene	0.446	0.429		-3.81	50
n-propylbenzene	2.376	2.251		-5.26	50
2-Chlorotoluene	1.494	1.457		-2.48	50
1,3,5-Trimethylbenzene	1.653	1.573		-4.84	50
4-Chlorotoluene	1.492	1.416		-5.09	50
tert-butylbenzene	1.430	1.362		-4.76	50
1,2,4-Trimethylbenzene	1.676	1.585		-5.43	50
sec-Butylbenzene	1.995	1.884		-5.56	50
p-Isopropyltoluene	1.664	1.531		-7.99	50
1,3-Dichlorobenzene	0.829	0.766	0.2	-7.6	50
1,4-Dichlorobenzene	0.831	0.752	0.2	-9.51	50
n-Butylbenzene	1.502	1.334		-11.19	50
1,2-Dichlorobenzene	0.818	0.769	0.2	-5.99	50
1,2-Dibromo-3-Chloropropane	0.130	0.116		-10.77	50
1,2,4-Trichlorobenzene	0.398	0.331	0.2	-16.83	50
Hexachlorobutadiene	0.172	0.126		-26.74	50
Naphthalene	1.569	1.309		-16.57	50
1,2,3-Trichlorobenzene	0.398	0.331		-16.83	50
1,2-Dichloroethane-d4	2.926	2.837	0.01	-3.04	50
Toluene-d8	1.694	1.736	0.01	2.48	50
4-Bromofluorobenzene	0.597	0.593	0.2	-0.67	50
Methyl Iodide	2.626	2.513		-4.3	50
Methyl methacrylate	0.491	0.468		-4.68	50

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:	Q1774	**OrderDate:**	4/10/2025 10:43:00 AM
Client:	Tetra Tech NUS, Inc.	**Project:**	CTO WE13
Contact:	Ernie Wu	**Location:**	F11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1774-02	**TT-073-IDWGW-2025 0409**	**WATER**			**04/09/25**			**04/10/25**
			PCB	8082A		04/10/25	04/10/25	
Q1774-03	**TT-074-IDWGW-2025 0409**	**WATER**			**04/09/25**			**04/10/25**
			PCB	8082A		04/10/25	04/10/25	
Q1774-04	**TT-075-IDWGW-2025 0409**	**WATER**			**04/09/25**			**04/10/25**
			PCB	8082A		04/10/25	04/10/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1774 **Order ID:** Q1774

Client: Tetra Tech NUS, Inc. **Project ID:** CTO WE13

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units

Client ID :

Total Concentration: **0.000**

SAMPLE DATA

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	04/09/25
Project:	CTO WE13	Date Received:	04/10/25
Client Sample ID:	TT-073-IDWGW-20250409	SDG No.:	Q1774
Lab Sample ID:	Q1774-02	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	970 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP071214.D	1	04/10/25 13:05	04/10/25 19:33	PB167553

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.26	U	0.10	0.26	0.52	ug/L
11104-28-2	Aroclor-1221	0.41	U	0.13	0.41	0.52	ug/L
11141-16-5	Aroclor-1232	0.26	U	0.099	0.26	0.52	ug/L
53469-21-9	Aroclor-1242	0.26	U	0.12	0.26	0.52	ug/L
12672-29-6	Aroclor-1248	0.26	U	0.073	0.26	0.52	ug/L
11097-69-1	Aroclor-1254	0.26	U	0.097	0.26	0.52	ug/L
37324-23-5	Aroclor-1262	0.41	U	0.14	0.41	0.52	ug/L
11100-14-4	Aroclor-1268	0.26	U	0.11	0.26	0.52	ug/L
11096-82-5	Aroclor-1260	0.26	U	0.084	0.26	0.52	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	21.8		35 - 137		109%	SPK: 20
2051-24-3	Decachlorobiphenyl	10.9		40 - 135		54%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	04/09/25
Project:	CTO WE13	Date Received:	04/10/25
Client Sample ID:	TT-074-IDWGW-20250409	SDG No.:	Q1774
Lab Sample ID:	Q1774-03	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	970 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP071215.D	1	04/10/25 13:05	04/10/25 19:49	PB167553

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.26	U	0.10	0.26	0.52	ug/L
11104-28-2	Aroclor-1221	0.41	U	0.13	0.41	0.52	ug/L
11141-16-5	Aroclor-1232	0.26	U	0.099	0.26	0.52	ug/L
53469-21-9	Aroclor-1242	0.26	U	0.12	0.26	0.52	ug/L
12672-29-6	Aroclor-1248	0.26	U	0.073	0.26	0.52	ug/L
11097-69-1	Aroclor-1254	0.26	U	0.097	0.26	0.52	ug/L
37324-23-5	Aroclor-1262	0.41	U	0.14	0.41	0.52	ug/L
11100-14-4	Aroclor-1268	0.26	U	0.11	0.26	0.52	ug/L
11096-82-5	Aroclor-1260	0.26	U	0.084	0.26	0.52	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	25.9		35 - 137		129%	SPK: 20
2051-24-3	Decachlorobiphenyl	7.90		40 - 135		40%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	04/09/25
Project:	CTO WE13	Date Received:	04/10/25
Client Sample ID:	TT-075-IDWGW-20250409	SDG No.:	Q1774
Lab Sample ID:	Q1774-04	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	980 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP071216.D	1	04/10/25 13:05	04/10/25 20:05	PB167553

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.26	U	0.099	0.26	0.51	ug/L
11104-28-2	Aroclor-1221	0.41	U	0.13	0.41	0.51	ug/L
11141-16-5	Aroclor-1232	0.26	U	0.098	0.26	0.51	ug/L
53469-21-9	Aroclor-1242	0.26	U	0.12	0.26	0.51	ug/L
12672-29-6	Aroclor-1248	0.26	U	0.072	0.26	0.51	ug/L
11097-69-1	Aroclor-1254	0.26	U	0.096	0.26	0.51	ug/L
37324-23-5	Aroclor-1262	0.41	U	0.14	0.41	0.51	ug/L
11100-14-4	Aroclor-1268	0.26	U	0.11	0.26	0.51	ug/L
11096-82-5	Aroclor-1260	0.26	U	0.083	0.26	0.51	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	25.6		35 - 137		128%	SPK: 20
2051-24-3	Decachlorobiphenyl	9.03		40 - 135		45%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

QC SUMMARY

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Surrogate Summary

SDG No.: Q1774

Client: Tetra Tech NUS, Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PP070916.D	PIBLK-PP070916.D	Tetrachloro-m-xylene	1	20	18.8	94		60	140
		Decachlorobiphenyl	1	20	19.4	97		60	140
		Tetrachloro-m-xylene	2	20	18.1	91		60	140
		Decachlorobiphenyl	2	20	23.4	117		60	140
I.BLK-PP071210.D	PIBLK-PP071210.D	Tetrachloro-m-xylene	1	20	20.3	101		60	140
		Decachlorobiphenyl	1	20	20.9	104		60	140
		Tetrachloro-m-xylene	2	20	19.6	98		60	140
		Decachlorobiphenyl	2	20	18.7	93		60	140
PB167553BL	PB167553BL	Tetrachloro-m-xylene	1	20	24.7	123		35	137
		Decachlorobiphenyl	1	20	24.3	121		40	135
		Tetrachloro-m-xylene	2	20	24.5	122		35	137
		Decachlorobiphenyl	2	20	21.3	107		40	135
Q1774-02	TT-073-IDWGW-20250409	Tetrachloro-m-xylene	1	20	21.8	109		35	137
		Decachlorobiphenyl	1	20	10.9	54		40	135
		Tetrachloro-m-xylene	2	20	21.3	106		35	137
		Decachlorobiphenyl	2	20	9.77	49		40	135
Q1774-03	TT-074-IDWGW-20250409	Tetrachloro-m-xylene	1	20	25.9	129		35	137
		Decachlorobiphenyl	1	20	7.90	40		40	135
		Tetrachloro-m-xylene	2	20	24.1	120		35	137
		Decachlorobiphenyl	2	20	7.29	36	*	40	135
Q1774-04	TT-075-IDWGW-20250409	Tetrachloro-m-xylene	1	20	25.6	128		35	137
		Decachlorobiphenyl	1	20	9.03	45		40	135
		Tetrachloro-m-xylene	2	20	24.1	121		35	137
		Decachlorobiphenyl	2	20	7.82	39	*	40	135
I.BLK-PP071221.D	PIBLK-PP071221.D	Tetrachloro-m-xylene	1	20	20.7	103		60	140
		Decachlorobiphenyl	1	20	21.5	107		60	140
		Tetrachloro-m-xylene	2	20	21.1	106		60	140
		Decachlorobiphenyl	2	20	18.7	93		60	140
I.BLK-PP071227.D	PIBLK-PP071227.D	Tetrachloro-m-xylene	1	20	20.9	104		60	140
		Decachlorobiphenyl	1	20	22.5	112		60	140
		Tetrachloro-m-xylene	2	20	21.5	108		60	140
		Decachlorobiphenyl	2	20	19.0	95		60	140
PB167553BS	PB167553BS	Tetrachloro-m-xylene	1	20	21.6	108		35	137
		Decachlorobiphenyl	1	20	22.0	110		40	135
		Tetrachloro-m-xylene	2	20	21.7	109		35	137
		Decachlorobiphenyl	2	20	19.3	97		40	135
PB167553BSD	PB167553BSD	Tetrachloro-m-xylene	1	20	22.1	110		35	137
		Decachlorobiphenyl	1	20	23.1	115		40	135
		Tetrachloro-m-xylene	2	20	22.5	112		35	137
		Decachlorobiphenyl	2	20	19.7	99		40	135
I.BLK-PP071241.D	PIBLK-PP071241.D	Tetrachloro-m-xylene	1	20	20.5	103		60	140

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Surrogate Summary

SDG No.: Q1774

Client: Tetra Tech NUS, Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PP071241.D	PIBLK-PP071241.D	Decachlorobiphenyl	1	20	22.3	111		60	140
		Tetrachloro-m-xylene	2	20	23.1	115		60	140
		Decachlorobiphenyl	2	20	19.6	98		60	140

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1774

Client: Tetra Tech NUS, Inc.

Analytical Method: 8082A **Datafile :** PP071228.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167553BS	AR1016	5	4.60	ug/L	92				46	129	
	AR1260	5	4.60	ug/L	92				45	134	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1774

Client: Tetra Tech NUS, Inc.

Analytical Method: 8082A **Datafile :** PP071229.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167553BSD	AR1016	5	4.70	ug/L	94	2			46	129	20
	AR1260	5	4.70	ug/L	94	2			45	134	20

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167553BL

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1774 SAS No.: Q1774 SDG NO.: Q1774

Lab Sample ID: PB167553BL Lab File ID: PP071211.D

Matrix: (soil/water) WATER Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N Date Extracted: 04/10/2025

Date Analyzed (1): 04/10/2025 Date Analyzed (2): 04/10/2025

Time Analyzed (1): 18:44 Time Analyzed (2): 18:44

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

GC Column (1): ZB-MR1 ID: 0.32 (mm) GC Column (2): ZB-MR2 ID: 0.32 (mm)

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
TT-073-IDWGW-20250409	Q1774-02	PP071214.D	04/10/2025	04/10/2025
TT-074-IDWGW-20250409	Q1774-03	PP071215.D	04/10/2025	04/10/2025
TT-075-IDWGW-20250409	Q1774-04	PP071216.D	04/10/2025	04/10/2025
PB167553BS	PB167553BS	PP071228.D	04/11/2025	04/11/2025
PB167553BSD	PB167553BSD	PP071229.D	04/11/2025	04/11/2025

COMMENTS:

CALIBRATION SUMMARY

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: TETR06

Lab Code: CHEM **Case No.:** Q1774 **SAS No.:** Q1774 **SDG NO.:** Q1774

Instrument ID: ECD_P **Calibration Date(s):** 03/27/2025 03/27/2025

Calibration Times: 10:30 17:53

GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID: RT 1000 = PP070917.D RT 750 = PP070918.D

RT 500 = PP070919.D RT 250 = PP070920.D RT 050 = PP070921.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.67	5.67	5.66	5.67	5.67	5.67	5.57	5.77
Aroclor-1016-2	(2)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Aroclor-1016-3	(3)	5.75	5.75	5.75	5.75	5.75	5.75	5.65	5.85
Aroclor-1016-4	(4)	5.85	5.85	5.85	5.85	5.85	5.85	5.75	5.95
Aroclor-1016-5	(5)	6.14	6.14	6.14	6.14	6.14	6.14	6.04	6.24
Aroclor-1260-1	(1)	7.26	7.26	7.26	7.26	7.26	7.26	7.16	7.36
Aroclor-1260-2	(2)	7.51	7.51	7.51	7.51	7.51	7.51	7.41	7.61
Aroclor-1260-3	(3)	7.87	7.87	7.87	7.87	7.87	7.87	7.77	7.97
Aroclor-1260-4	(4)	8.10	8.10	8.09	8.09	8.09	8.09	7.99	8.19
Aroclor-1260-5	(5)	8.41	8.42	8.41	8.41	8.41	8.41	8.31	8.51
Decachlorobiphenyl		10.23	10.23	10.23	10.23	10.23	10.23	10.13	10.33
Tetrachloro-m-xylene		4.51	4.52	4.51	4.52	4.51	4.51	4.41	4.61
Aroclor-1242-1	(1)	5.67	5.67	5.66	5.67	5.66	5.67	5.57	5.77
Aroclor-1242-2	(2)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Aroclor-1242-3	(3)	5.75	5.75	5.75	5.75	5.75	5.75	5.65	5.85
Aroclor-1242-4	(4)	5.85	5.85	5.85	5.85	5.84	5.85	5.75	5.95
Aroclor-1242-5	(5)	6.58	6.58	6.58	6.58	6.57	6.58	6.48	6.68
Decachlorobiphenyl		10.23	10.23	10.23	10.23	10.23	10.23	10.13	10.33
Tetrachloro-m-xylene		4.51	4.51	4.51	4.51	4.51	4.51	4.41	4.61
Aroclor-1248-1	(1)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1248-2	(2)	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Aroclor-1248-3	(3)	6.14	6.14	6.14	6.14	6.14	6.14	6.04	6.24
Aroclor-1248-4	(4)	6.54	6.54	6.54	6.54	6.54	6.54	6.44	6.64
Aroclor-1248-5	(5)	6.58	6.58	6.58	6.58	6.58	6.58	6.48	6.68
Decachlorobiphenyl		10.23	10.23	10.23	10.23	10.23	10.23	10.13	10.33
Tetrachloro-m-xylene		4.51	4.51	4.51	4.52	4.51	4.51	4.41	4.61
Aroclor-1254-1	(1)	6.52	6.52	6.52	6.52	6.52	6.52	6.42	6.62
Aroclor-1254-2	(2)	6.73	6.73	6.73	6.73	6.73	6.73	6.63	6.83
Aroclor-1254-3	(3)	7.10	7.09	7.10	7.10	7.10	7.10	7.00	7.20
Aroclor-1254-4	(4)	7.38	7.38	7.38	7.38	7.38	7.38	7.28	7.48
Aroclor-1254-5	(5)	7.79	7.79	7.79	7.79	7.79	7.79	7.69	7.89
Decachlorobiphenyl		10.23	10.23	10.23	10.23	10.23	10.23	10.13	10.33
Tetrachloro-m-xylene		4.51	4.51	4.51	4.51	4.52	4.51	4.41	4.61
Aroclor-1268-1	(1)	8.73	8.73	8.73	8.73	8.73	8.73	8.63	8.83
Aroclor-1268-2	(2)	8.82	8.82	8.82	8.82	8.82	8.82	8.72	8.92
Aroclor-1268-3	(3)	9.06	9.06	9.05	9.06	9.05	9.06	8.96	9.16
Aroclor-1268-4	(4)	9.47	9.47	9.47	9.47	9.47	9.47	9.37	9.57
Aroclor-1268-5	(5)	9.89	9.89	9.89	9.89	9.89	9.89	9.79	9.99

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.23	10.23	10.23	10.23	10.23	10.23	10.13	10.33
Tetrachloro-m-xylene	4.52	4.51	4.51	4.52	4.51	4.51	4.41	4.61

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: TETR06

Lab Code: CHEM **Case No.:** Q1774 **SAS No.:** Q1774 **SDG NO.:** Q1774

Instrument ID: ECD_P **Calibration Date(s):** 03/27/2025 03/27/2025

Calibration Times: 10:30 17:53

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID: RT 1000 = PP070917.D RT 750 = PP070918.D

RT 500 = PP070919.D RT 250 = PP070920.D RT 050 = PP070921.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1016-2	(2)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1016-3	(3)	5.10	5.10	5.10	5.10	5.10	5.10	5.00	5.20
Aroclor-1016-4	(4)	5.14	5.14	5.14	5.14	5.14	5.14	5.04	5.24
Aroclor-1016-5	(5)	5.36	5.36	5.36	5.36	5.36	5.36	5.26	5.46
Aroclor-1260-1	(1)	6.39	6.39	6.39	6.39	6.39	6.39	6.29	6.49
Aroclor-1260-2	(2)	6.58	6.58	6.58	6.58	6.58	6.58	6.48	6.68
Aroclor-1260-3	(3)	6.73	6.73	6.73	6.73	6.73	6.73	6.63	6.83
Aroclor-1260-4	(4)	7.20	7.20	7.21	7.21	7.21	7.20	7.10	7.30
Aroclor-1260-5	(5)	7.45	7.44	7.45	7.45	7.45	7.45	7.35	7.55
Decachlorobiphenyl		8.86	8.86	8.86	8.86	8.86	8.86	8.76	8.96
Tetrachloro-m-xylene		3.82	3.82	3.82	3.82	3.82	3.82	3.72	3.92
Aroclor-1242-1	(1)	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1242-2	(2)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1242-3	(3)	5.10	5.10	5.10	5.10	5.10	5.10	5.00	5.20
Aroclor-1242-4	(4)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1242-5	(5)	5.71	5.71	5.71	5.71	5.71	5.71	5.61	5.81
Decachlorobiphenyl		8.86	8.86	8.86	8.86	8.86	8.86	8.76	8.96
Tetrachloro-m-xylene		3.82	3.82	3.82	3.82	3.82	3.82	3.72	3.92
Aroclor-1248-1	(1)	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1248-2	(2)	5.14	5.14	5.14	5.14	5.14	5.14	5.04	5.24
Aroclor-1248-3	(3)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1248-4	(4)	5.36	5.36	5.36	5.36	5.35	5.36	5.26	5.46
Aroclor-1248-5	(5)	5.75	5.75	5.75	5.75	5.75	5.75	5.65	5.85
Decachlorobiphenyl		8.86	8.86	8.86	8.86	8.86	8.86	8.76	8.96
Tetrachloro-m-xylene		3.82	3.82	3.82	3.82	3.82	3.82	3.72	3.92
Aroclor-1254-1	(1)	5.71	5.71	5.71	5.71	5.71	5.71	5.61	5.81
Aroclor-1254-2	(2)	5.86	5.86	5.86	5.86	5.86	5.86	5.76	5.96
Aroclor-1254-3	(3)	6.26	6.26	6.26	6.26	6.26	6.26	6.16	6.36
Aroclor-1254-4	(4)	6.49	6.49	6.49	6.49	6.49	6.49	6.39	6.59
Aroclor-1254-5	(5)	6.91	6.91	6.91	6.91	6.91	6.91	6.81	7.01
Decachlorobiphenyl		8.86	8.86	8.86	8.86	8.86	8.86	8.76	8.96
Tetrachloro-m-xylene		3.82	3.82	3.82	3.82	3.82	3.82	3.72	3.92
Aroclor-1268-1	(1)	7.73	7.73	7.73	7.73	7.73	7.73	7.63	7.83
Aroclor-1268-2	(2)	7.80	7.80	7.79	7.79	7.79	7.79	7.69	7.89
Aroclor-1268-3	(3)	8.00	8.00	8.00	8.00	8.00	8.00	7.90	8.10
Aroclor-1268-4	(4)	8.30	8.29	8.29	8.30	8.29	8.29	8.19	8.39
Aroclor-1268-5	(5)	8.60	8.60	8.60	8.60	8.60	8.60	8.50	8.70

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.86	8.86	8.86	8.86	8.86	8.86	8.76	8.96
Tetrachloro-m-xylene	3.82	3.82	3.82	3.82	3.82	3.82	3.72	3.92

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: TETR06

Lab Code: CHEM **Case No.:** Q1774 **SAS No.:** Q1774 **SDG NO.:** Q1774

Instrument ID: ECD_P **Calibration Date(s):** 03/27/2025 03/27/2025

Calibration Times: 10:30 17:53

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 1000 =** PP070917.D **CF 750 =** PP070918.D

CF 500 = PP070919.D **CF 250 =** PP070920.D **CF 050 =** PP070921.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	47478014	49171687	50934060	54324668	52347880	50851262	5
Aroclor-1016-2	(2)	72483549	74568483	78811172	80433884	83971080	78053634	6
Aroclor-1016-3	(3)	43541298	44043953	46815864	48849960	52621940	47174603	7
Aroclor-1016-4	(4)	36661280	36602855	39014928	39212148	32287440	36755730	7
Aroclor-1016-5	(5)	32204227	33487635	35040682	36610940	32217200	33912137	5
Aroclor-1260-1	(1)	60625379	62238407	66823960	72729028	73347280	67152811	8
Aroclor-1260-2	(2)	90805769	95497569	97808710	102858984	93710780	96136362	4
Aroclor-1260-3	(3)	75946924	78957439	82970652	86114216	75601760	79918198	5
Aroclor-1260-4	(4)	67190656	75020355	81451428	78145636	91876440	78736903	11
Aroclor-1260-5	(5)	154592706	156108101	159960800	166857288	156911780	158886135	3
Decachlorobiphenyl		1019047430	1065730867	1116449000	1115108760	946747800	1052616771	7
Tetrachloro-m-xylene		1424837400	1461405720	1519248320	1595716440	1306667000	1461574976	7
Aroclor-1242-1	(1)	40990074	42746281	43432670	43984636	48732080	43977148	6
Aroclor-1242-2	(2)	64704598	63862937	67024876	68850388	57138840	64316328	7
Aroclor-1242-3	(3)	39349869	38048504	39702972	40627540	47468380	41039453	9
Aroclor-1242-4	(4)	30814559	31466187	32277086	32194644	25864220	30523339	8
Aroclor-1242-5	(5)	36006298	34981232	37334376	38560396	35669740	36510408	4
Decachlorobiphenyl		1036298130	1063489027	1106293120	1153452680	1056566000	1083219791	4
Tetrachloro-m-xylene		1443947330	1507747640	1537397120	1567165920	1326698400	1476591282	6
Aroclor-1248-1	(1)	31141042	33379292	33781538	45988760	37146900	36287506	15
Aroclor-1248-2	(2)	42399779	44979081	46192256	47122176	43999640	44938586	4
Aroclor-1248-3	(3)	48055172	50777464	51825052	50697180	51832600	50637494	3
Aroclor-1248-4	(4)	59878410	63471275	67039892	73429036	56919340	64147591	9
Aroclor-1248-5	(5)	56652876	60504408	64286140	68519384	54268440	60846250	9
Decachlorobiphenyl		1072017300	1124462173	1205136680	1167091680	1109917800	1135725127	5
Tetrachloro-m-xylene		1462181050	1544091280	1549039360	1559485200	1464932600	1515945898	3
Aroclor-1254-1	(1)	60157506	63067431	65471886	66806416	66447920	64390232	4
Aroclor-1254-2	(2)	92838442	97047215	101802392	105556104	108208740	101090579	6
Aroclor-1254-3	(3)	92334650	98055471	99416554	103841140	104991280	99727819	5
Aroclor-1254-4	(4)	84238161	87780547	86802510	88788836	85373700	86596751	2
Aroclor-1254-5	(5)	74433164	79038301	80854650	83958584	83470140	80350968	5
Decachlorobiphenyl		1095432410	1144692320	1168417220	1194330360	1035516600	1127677782	6
Tetrachloro-m-xylene		1501288360	1551275560	1575746420	1626904120	1301718600	1511386612	8
Aroclor-1268-1	(1)	226575551	237927453	239660032	247892192	225482800	235507606	4

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	190380276	198934901	200232346	204948924	182079900	195315269	4
Aroclor-1268-3	(3)	163648333	171737784	173955356	177246576	167979860	170913582	3
Aroclor-1268-4	(4)	70377008	73665913	73237284	74802952	61652780	70747187	7
Aroclor-1268-5	(5)	459553484	481598519	482514296	498456744	458756600	476175929	3
Decachlorobiphenyl		1956984350	2055290840	2095781900	2171413960	2007035400	2057301290	4
Tetrachloro-m-xylene		1523485290	1594639080	1607574540	1645012520	1440121400	1562166566	5

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: TETR06

Lab Code: CHEM **Case No.:** Q1774 **SAS No.:** Q1774 **SDG NO.:** Q1774

Instrument ID: ECD_P **Calibration Date(s):** 03/27/2025 03/27/2025

Calibration Times: 10:30 17:53

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 1000 =** PP070917.D **CF 750 =** PP070918.D

CF 500 = PP070919.D **CF 250 =** PP070920.D **CF 050 =** PP070921.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	34208953	37661787	37955886	45294856	45319420	40088180	12
Aroclor-1016-2	(2)	49610574	53393839	54380778	65503040	66437080	57865062	12
Aroclor-1016-3	(3)	27000462	29732755	29849058	35508136	32526120	30923306	10
Aroclor-1016-4	(4)	21229955	23465415	23793788	28635320	24655080	24355912	10
Aroclor-1016-5	(5)	26939544	29893109	30154374	37292184	37326660	32321174	14
Aroclor-1260-1	(1)	45249076	46519276	48240522	56226688	59796020	51206316	12
Aroclor-1260-2	(2)	58475471	61260192	62904038	69183788	67145740	63793846	6
Aroclor-1260-3	(3)	50913622	52312629	53920638	58739540	56547700	54486826	5
Aroclor-1260-4	(4)	42366044	44395528	47488628	49955128	54926140	47826294	10
Aroclor-1260-5	(5)	113066934	116639771	125312810	127263128	140268800	124510289	8
Decachlorobiphenyl		793547960	846236520	865016160	753569280	682611000	788196184	9
Tetrachloro-m-xylene		926488500	1023245573	1036748080	1124812280	1071924800	1036643847	7
Aroclor-1242-1	(1)	30391529	31772724	34649408	38698720	35466820	34195840	9
Aroclor-1242-2	(2)	43879042	45075739	49434800	55503780	52395240	49257720	9
Aroclor-1242-3	(3)	24103124	24630729	26618958	29833472	28035100	26644277	8
Aroclor-1242-4	(4)	23086538	23159225	25581538	28618736	31445140	26378235	13
Aroclor-1242-5	(5)	28647762	29235153	31558738	32962404	32387440	30958299	6
Decachlorobiphenyl		794686010	779465320	775544600	851493360	677466800	775731218	8
Tetrachloro-m-xylene		994474400	1020857307	1119824860	1120535680	1106593200	1072457089	6
Aroclor-1248-1	(1)	23297586	26737011	28501250	29207540	27656520	27079981	8
Aroclor-1248-2	(2)	31071420	35918237	38274460	38702620	39645560	36722459	9
Aroclor-1248-3	(3)	32592570	37701093	39964120	40477712	42561380	38659375	9
Aroclor-1248-4	(4)	38114246	43411732	47181776	48244244	48753000	45141000	9
Aroclor-1248-5	(5)	37031094	41115012	43925318	46634268	44688040	42678746	8
Decachlorobiphenyl		763432400	822192813	827097300	806313080	732328400	790272799	5
Tetrachloro-m-xylene		969522160	1045815880	1138159760	1084071480	1169729800	1081459816	7
Aroclor-1254-1	(1)	58928147	61799583	66082486	73787844	69490960	66017804	8
Aroclor-1254-2	(2)	50145967	53786207	56793554	64034708	60730300	57098147	9
Aroclor-1254-3	(3)	77448562	83642240	87764778	99090376	86260880	86841367	9
Aroclor-1254-4	(4)	49998215	54614948	55966900	64174348	55747980	56100478	9
Aroclor-1254-5	(5)	65979008	71358709	71825896	82425644	69163880	72150627	8
Decachlorobiphenyl		783483810	796181933	910832540	850283840	759277600	820011945	7
Tetrachloro-m-xylene		1042595600	1091536387	1108578240	1195164040	1067355200	1101045893	5
Aroclor-1268-1	(1)	165356134	175541800	174753666	176934688	164423820	171402022	3

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	137801505	147739099	145758868	146778256	138336660	143282878	3
Aroclor-1268-3	(3)	120132746	127507232	124391202	127247744	116467620	123149309	4
Aroclor-1268-4	(4)	51096977	54505272	53344994	55689972	49428660	52813175	5
Aroclor-1268-5	(5)	357060145	376226307	370949858	366544744	338563340	361868879	4
Decachlorobiphenyl		1484820890	1579158933	1563503220	1620729960	1432317200	1536106041	5
Tetrachloro-m-xylene		1051289840	1118865693	1118283520	1183542080	1260888000	1146573827	7

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: TETR06

Lab Code: CHEM **Case No.:** Q1774 **SAS No.:** Q1774 **SDG NO.:** Q1774

Instrument ID: ECD_P **Date(s) Analyzed:** 03/27/2025 03/27/2025

GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.72	4.62	4.82	17353700
		2	4.80	4.70	4.90	12952900
		3	4.88	4.78	4.98	41717200
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.88	4.78	4.98	33288800
		2	5.41	5.31	5.51	15910300
		3	5.69	5.59	5.79	34270400
		4	5.85	5.75	5.95	15707600
		5	5.94	5.84	6.04	10640400
Aroclor-1262	500	1	8.09	7.99	8.19	106300000
		2	8.41	8.31	8.51	198383000
		3	8.73	8.63	8.83	131742000
		4	8.82	8.72	8.92	95614800
		5	9.47	9.37	9.57	65066400

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: TETR06

Lab Code: CHEM **Case No.:** Q1774 **SAS No.:** Q1774 **SDG NO.:** Q1774

Instrument ID: ECD_P **Date(s) Analyzed:** 03/27/2025 03/27/2025

GC Column: ZB-MR2 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.03	3.93	4.13	15243600
		2	4.11	4.01	4.21	11436300
		3	4.19	4.09	4.29	34089000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.19	4.09	4.29	27986800
		2	4.92	4.82	5.02	28061200
		3	5.10	5.00	5.20	14889600
		4	5.19	5.09	5.29	12804400
		5	5.36	5.26	5.46	14174800
Aroclor-1262	500	1	6.95	6.85	7.05	85563600
		2	7.21	7.11	7.31	68464400
		3	7.73	7.63	7.83	60723600
		4	7.79	7.69	7.89	99406800
		5	8.29	8.19	8.39	46871600

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM **Case No.:** Q1774 **SAS No.:** Q1774 **SDG NO.:** Q1774

Continuing Calib Date: 04/10/2025 **Initial Calibration Date(s):** 03/27/2025 03/27/2025

Continuing Calib Time: 16:34 **Initial Calibration Time(s):** 10:30 17:53

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.67	5.66	5.56	5.76	-0.01
Aroclor-1016-2	(2)	5.69	5.69	5.59	5.79	0.00
Aroclor-1016-3	(3)	5.75	5.75	5.65	5.85	0.00
Aroclor-1016-4	(4)	5.85	5.85	5.75	5.95	0.00
Aroclor-1016-5	(5)	6.14	6.14	6.04	6.24	0.00
Aroclor-1260-1	(1)	7.26	7.26	7.16	7.36	0.00
Aroclor-1260-2	(2)	7.52	7.51	7.41	7.61	-0.01
Aroclor-1260-3	(3)	7.88	7.87	7.77	7.97	-0.01
Aroclor-1260-4	(4)	8.10	8.09	7.99	8.19	-0.01
Aroclor-1260-5	(5)	8.42	8.41	8.31	8.51	-0.01
Tetrachloro-m-xylene		4.52	4.51	4.41	4.61	-0.01
Decachlorobiphenyl		10.23	10.23	10.13	10.33	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM **Case No.:** Q1774 **SAS No.:** Q1774 **SDG NO.:** Q1774

Continuing Calib Date: 04/10/2025 **Initial Calibration Date(s):** 03/27/2025 03/27/2025

Continuing Calib Time: 16:34 **Initial Calibration Time(s):** 10:30 17:53

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.90	4.90	4.80	5.00	0.00
Aroclor-1016-2	(2)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-3	(3)	5.09	5.10	5.00	5.20	0.01
Aroclor-1016-4	(4)	5.14	5.14	5.04	5.24	0.00
Aroclor-1016-5	(5)	5.35	5.36	5.26	5.46	0.01
Aroclor-1260-1	(1)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-2	(2)	6.57	6.58	6.48	6.68	0.01
Aroclor-1260-3	(3)	6.73	6.73	6.63	6.83	0.00
Aroclor-1260-4	(4)	7.20	7.21	7.11	7.31	0.01
Aroclor-1260-5	(5)	7.44	7.45	7.35	7.55	0.01
Tetrachloro-m-xylene		3.81	3.82	3.72	3.92	0.01
Decachlorobiphenyl		8.85	8.86	8.76	8.96	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM **Case No.:** Q1774 **SAS No.:** Q1774 **SDG NO.:** Q1774

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/27/2025 03/27/2025

Client Sample No.: CCAL01 **Date Analyzed:** 04/10/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP071206.D **Time Analyzed:** 16:34

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.670	5.563	5.763	496.930	500.000	-0.6
Aroclor-1016-2	5.691	5.585	5.785	495.850	500.000	-0.8
Aroclor-1016-3	5.753	5.648	5.848	482.230	500.000	-3.6
Aroclor-1016-4	5.850	5.745	5.945	517.440	500.000	3.5
Aroclor-1016-5	6.144	6.038	6.238	526.010	500.000	5.2
Aroclor-1260-1	7.263	7.156	7.356	525.350	500.000	5.1
Aroclor-1260-2	7.516	7.410	7.610	529.730	500.000	5.9
Aroclor-1260-3	7.876	7.768	7.968	531.440	500.000	6.3
Aroclor-1260-4	8.099	7.992	8.192	470.160	500.000	-6.0
Aroclor-1260-5	8.419	8.311	8.511	492.520	500.000	-1.5
Decachlorobiphenyl	10.234	10.125	10.325	50.660	50.000	1.3
Tetrachloro-m-xylene	4.516	4.412	4.612	52.980	50.000	6.0

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM **Case No.:** Q1774 **SAS No.:** Q1774 **SDG NO.:** Q1774

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/27/2025 03/27/2025

Client Sample No.: CCAL01 **Date Analyzed:** 04/10/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP071206.D **Time Analyzed:** 16:34

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.899	4.803	5.003	546.170	500.000	9.2
Aroclor-1016-2	4.918	4.822	5.022	529.800	500.000	6.0
Aroclor-1016-3	5.094	4.999	5.199	562.150	500.000	12.4
Aroclor-1016-4	5.136	5.041	5.241	566.440	500.000	13.3
Aroclor-1016-5	5.351	5.255	5.455	568.390	500.000	13.7
Aroclor-1260-1	6.386	6.292	6.492	546.080	500.000	9.2
Aroclor-1260-2	6.574	6.480	6.680	523.580	500.000	4.7
Aroclor-1260-3	6.727	6.634	6.834	530.430	500.000	6.1
Aroclor-1260-4	7.198	7.105	7.305	502.190	500.000	0.4
Aroclor-1260-5	7.440	7.346	7.546	440.140	500.000	-12.0
Decachlorobiphenyl	8.850	8.759	8.959	43.700	50.000	-12.6
Tetrachloro-m-xylene	3.813	3.716	3.916	53.310	50.000	6.6

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM **Case No.:** Q1774 **SAS No.:** Q1774 **SDG NO.:** Q1774

Continuing Calib Date: 04/10/2025 **Initial Calibration Date(s):** 03/27/2025 03/27/2025

Continuing Calib Time: 21:21 **Initial Calibration Time(s):** 10:30 17:53

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.67	5.66	5.56	5.76	-0.01
Aroclor-1016-2	(2)	5.69	5.69	5.59	5.79	0.00
Aroclor-1016-3	(3)	5.75	5.75	5.65	5.85	0.00
Aroclor-1016-4	(4)	5.85	5.85	5.75	5.95	0.00
Aroclor-1016-5	(5)	6.14	6.14	6.04	6.24	0.00
Aroclor-1260-1	(1)	7.26	7.26	7.16	7.36	0.00
Aroclor-1260-2	(2)	7.52	7.51	7.41	7.61	0.00
Aroclor-1260-3	(3)	7.87	7.87	7.77	7.97	0.00
Aroclor-1260-4	(4)	8.10	8.09	7.99	8.19	-0.01
Aroclor-1260-5	(5)	8.42	8.41	8.31	8.51	-0.01
Tetrachloro-m-xylene		4.51	4.51	4.41	4.61	0.00
Decachlorobiphenyl		10.23	10.23	10.13	10.33	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM **Case No.:** Q1774 **SAS No.:** Q1774 **SDG NO.:** Q1774

Continuing Calib Date: 04/10/2025 **Initial Calibration Date(s):** 03/27/2025 03/27/2025

Continuing Calib Time: 21:21 **Initial Calibration Time(s):** 10:30 17:53

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.90	4.90	4.80	5.00	0.00
Aroclor-1016-2	(2)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-3	(3)	5.09	5.10	5.00	5.20	0.01
Aroclor-1016-4	(4)	5.14	5.14	5.04	5.24	0.00
Aroclor-1016-5	(5)	5.35	5.36	5.26	5.46	0.01
Aroclor-1260-1	(1)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-2	(2)	6.57	6.58	6.48	6.68	0.01
Aroclor-1260-3	(3)	6.73	6.73	6.63	6.83	0.00
Aroclor-1260-4	(4)	7.20	7.21	7.11	7.31	0.01
Aroclor-1260-5	(5)	7.44	7.45	7.35	7.55	0.01
Tetrachloro-m-xylene		3.81	3.82	3.72	3.92	0.01
Decachlorobiphenyl		8.85	8.86	8.76	8.96	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM **Case No.:** Q1774 **SAS No.:** Q1774 **SDG NO.:** Q1774

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/27/2025 03/27/2025

Client Sample No.: CCAL02 **Date Analyzed:** 04/10/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP071217.D **Time Analyzed:** 21:21

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.668	5.563	5.763	522.540	500.000	4.5
Aroclor-1016-2	5.689	5.585	5.785	521.640	500.000	4.3
Aroclor-1016-3	5.752	5.648	5.848	509.140	500.000	1.8
Aroclor-1016-4	5.849	5.745	5.945	557.900	500.000	11.6
Aroclor-1016-5	6.142	6.038	6.238	577.980	500.000	15.6
Aroclor-1260-1	7.259	7.156	7.356	565.900	500.000	13.2
Aroclor-1260-2	7.515	7.410	7.610	582.410	500.000	16.5
Aroclor-1260-3	7.873	7.768	7.968	549.310	500.000	9.9
Aroclor-1260-4	8.099	7.992	8.192	529.790	500.000	6.0
Aroclor-1260-5	8.417	8.311	8.511	541.830	500.000	8.4
Decachlorobiphenyl	10.233	10.125	10.325	53.220	50.000	6.4
Tetrachloro-m-xylene	4.514	4.412	4.612	53.300	50.000	6.6

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM **Case No.:** Q1774 **SAS No.:** Q1774 **SDG NO.:** Q1774

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/27/2025 03/27/2025

Client Sample No.: CCAL02 **Date Analyzed:** 04/10/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP071217.D **Time Analyzed:** 21:21

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.899	4.803	5.003	535.360	500.000	7.1
Aroclor-1016-2	4.917	4.822	5.022	523.850	500.000	4.8
Aroclor-1016-3	5.094	4.999	5.199	561.950	500.000	12.4
Aroclor-1016-4	5.136	5.041	5.241	553.160	500.000	10.6
Aroclor-1016-5	5.350	5.255	5.455	577.870	500.000	15.6
Aroclor-1260-1	6.386	6.292	6.492	576.420	500.000	15.3
Aroclor-1260-2	6.574	6.480	6.680	552.720	500.000	10.5
Aroclor-1260-3	6.727	6.634	6.834	561.900	500.000	12.4
Aroclor-1260-4	7.198	7.105	7.305	515.220	500.000	3.0
Aroclor-1260-5	7.440	7.346	7.546	465.030	500.000	-7.0
Decachlorobiphenyl	8.851	8.759	8.959	44.970	50.000	-10.1
Tetrachloro-m-xylene	3.812	3.716	3.916	49.440	50.000	-1.1

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM **Case No.:** Q1774 **SAS No.:** Q1774 **SDG NO.:** Q1774

Continuing Calib Date: 04/11/2025 **Initial Calibration Date(s):** 03/27/2025 03/27/2025

Continuing Calib Time: 09:37 **Initial Calibration Time(s):** 10:30 17:53

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.68	5.66	5.56	5.76	-0.02
Aroclor-1016-2	(2)	5.70	5.69	5.59	5.79	-0.01
Aroclor-1016-3	(3)	5.76	5.75	5.65	5.85	-0.01
Aroclor-1016-4	(4)	5.86	5.85	5.75	5.95	-0.01
Aroclor-1016-5	(5)	6.15	6.14	6.04	6.24	-0.01
Aroclor-1260-1	(1)	7.27	7.26	7.16	7.36	-0.01
Aroclor-1260-2	(2)	7.52	7.51	7.41	7.61	-0.01
Aroclor-1260-3	(3)	7.88	7.87	7.77	7.97	-0.01
Aroclor-1260-4	(4)	8.11	8.09	7.99	8.19	-0.01
Aroclor-1260-5	(5)	8.43	8.41	8.31	8.51	-0.02
Tetrachloro-m-xylene		4.52	4.51	4.41	4.61	-0.01
Decachlorobiphenyl		10.25	10.23	10.13	10.33	-0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM **Case No.:** Q1774 **SAS No.:** Q1774 **SDG NO.:** Q1774

Continuing Calib Date: 04/11/2025 **Initial Calibration Date(s):** 03/27/2025 03/27/2025

Continuing Calib Time: 09:37 **Initial Calibration Time(s):** 10:30 17:53

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.90	4.90	4.80	5.00	0.00
Aroclor-1016-2	(2)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-3	(3)	5.10	5.10	5.00	5.20	0.00
Aroclor-1016-4	(4)	5.14	5.14	5.04	5.24	0.00
Aroclor-1016-5	(5)	5.35	5.36	5.26	5.46	0.01
Aroclor-1260-1	(1)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-2	(2)	6.58	6.58	6.48	6.68	0.00
Aroclor-1260-3	(3)	6.73	6.73	6.63	6.83	0.00
Aroclor-1260-4	(4)	7.20	7.21	7.11	7.31	0.01
Aroclor-1260-5	(5)	7.44	7.45	7.35	7.55	0.01
Tetrachloro-m-xylene		3.82	3.82	3.72	3.92	0.00
Decachlorobiphenyl		8.86	8.86	8.76	8.96	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM **Case No.:** Q1774 **SAS No.:** Q1774 **SDG NO.:** Q1774

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/27/2025 03/27/2025

Client Sample No.: CCAL03 **Date Analyzed:** 04/11/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP071223.D **Time Analyzed:** 09:37

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.675	5.563	5.763	449.470	500.000	-10.1
Aroclor-1016-2	5.697	5.585	5.785	424.640	500.000	-15.1
Aroclor-1016-3	5.759	5.648	5.848	452.500	500.000	-9.5
Aroclor-1016-4	5.856	5.745	5.945	464.800	500.000	-7.0
Aroclor-1016-5	6.149	6.038	6.238	483.520	500.000	-3.3
Aroclor-1260-1	7.269	7.156	7.356	518.500	500.000	3.7
Aroclor-1260-2	7.523	7.410	7.610	509.860	500.000	2.0
Aroclor-1260-3	7.881	7.768	7.968	472.810	500.000	-5.4
Aroclor-1260-4	8.105	7.992	8.192	453.220	500.000	-9.4
Aroclor-1260-5	8.426	8.311	8.511	467.610	500.000	-6.5
Decachlorobiphenyl	10.245	10.125	10.325	57.330	50.000	14.7
Tetrachloro-m-xylene	4.522	4.412	4.612	45.120	50.000	-9.8

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM **Case No.:** Q1774 **SAS No.:** Q1774 **SDG NO.:** Q1774

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/27/2025 03/27/2025

Client Sample No.: CCAL03 **Date Analyzed:** 04/11/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP071223.D **Time Analyzed:** 09:37

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.902	4.803	5.003	476.160	500.000	-4.8
Aroclor-1016-2	4.920	4.822	5.022	457.000	500.000	-8.6
Aroclor-1016-3	5.097	4.999	5.199	491.450	500.000	-1.7
Aroclor-1016-4	5.140	5.041	5.241	489.550	500.000	-2.1
Aroclor-1016-5	5.353	5.255	5.455	512.450	500.000	2.5
Aroclor-1260-1	6.388	6.292	6.492	505.110	500.000	1.0
Aroclor-1260-2	6.577	6.480	6.680	479.210	500.000	-4.2
Aroclor-1260-3	6.731	6.634	6.834	479.920	500.000	-4.0
Aroclor-1260-4	7.202	7.105	7.305	449.200	500.000	-10.2
Aroclor-1260-5	7.443	7.346	7.546	403.620	500.000	-19.3
Decachlorobiphenyl	8.855	8.759	8.959	48.360	50.000	-3.3
Tetrachloro-m-xylene	3.815	3.716	3.916	45.510	50.000	-9.0

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM **Case No.:** Q1774 **SAS No.:** Q1774 **SDG NO.:** Q1774

Continuing Calib Date: 04/11/2025 **Initial Calibration Date(s):** 03/27/2025 03/27/2025

Continuing Calib Time: 17:35 **Initial Calibration Time(s):** 10:30 17:53

GC Column: ZB-MR1 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.67	5.66	5.56	5.76	-0.01
Aroclor-1016-2	(2)	5.69	5.69	5.59	5.79	0.00
Aroclor-1016-3	(3)	5.75	5.75	5.65	5.85	0.00
Aroclor-1016-4	(4)	5.85	5.85	5.75	5.95	0.00
Aroclor-1016-5	(5)	6.14	6.14	6.04	6.24	0.00
Aroclor-1260-1	(1)	7.26	7.26	7.16	7.36	0.00
Aroclor-1260-2	(2)	7.52	7.51	7.41	7.61	-0.01
Aroclor-1260-3	(3)	7.87	7.87	7.77	7.97	0.00
Aroclor-1260-4	(4)	8.10	8.09	7.99	8.19	-0.01
Aroclor-1260-5	(5)	8.42	8.41	8.31	8.51	-0.01
Tetrachloro-m-xylene		4.52	4.51	4.41	4.61	0.00
Decachlorobiphenyl		10.24	10.23	10.13	10.33	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM **Case No.:** Q1774 **SAS No.:** Q1774 **SDG NO.:** Q1774

Continuing Calib Date: 04/11/2025 **Initial Calibration Date(s):** 03/27/2025 03/27/2025

Continuing Calib Time: 17:35 **Initial Calibration Time(s):** 10:30 17:53

GC Column: ZB-MR2 **ID:** 0.32 **(mm)**

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.90	4.90	4.80	5.00	0.00
Aroclor-1016-2	(2)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-3	(3)	5.10	5.10	5.00	5.20	0.01
Aroclor-1016-4	(4)	5.14	5.14	5.04	5.24	0.00
Aroclor-1016-5	(5)	5.35	5.36	5.26	5.46	0.01
Aroclor-1260-1	(1)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-2	(2)	6.58	6.58	6.48	6.68	0.01
Aroclor-1260-3	(3)	6.73	6.73	6.63	6.83	0.00
Aroclor-1260-4	(4)	7.20	7.21	7.11	7.31	0.01
Aroclor-1260-5	(5)	7.44	7.45	7.35	7.55	0.01
Tetrachloro-m-xylene		3.81	3.82	3.72	3.92	0.01
Decachlorobiphenyl		8.85	8.86	8.76	8.96	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM **Case No.:** Q1774 **SAS No.:** Q1774 **SDG NO.:** Q1774

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/27/2025 03/27/2025

Client Sample No.: CCAL04 **Date Analyzed:** 04/11/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP071238.D **Time Analyzed:** 17:35

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.669	5.563	5.763	442.660	500.000	-11.5
Aroclor-1016-2	5.690	5.585	5.785	440.100	500.000	-12.0
Aroclor-1016-3	5.753	5.648	5.848	437.600	500.000	-12.5
Aroclor-1016-4	5.850	5.745	5.945	466.950	500.000	-6.6
Aroclor-1016-5	6.143	6.038	6.238	466.850	500.000	-6.6
Aroclor-1260-1	7.261	7.156	7.356	511.350	500.000	2.3
Aroclor-1260-2	7.516	7.410	7.610	496.050	500.000	-0.8
Aroclor-1260-3	7.874	7.768	7.968	476.890	500.000	-4.6
Aroclor-1260-4	8.099	7.992	8.192	472.230	500.000	-5.6
Aroclor-1260-5	8.419	8.311	8.511	474.190	500.000	-5.2
Decachlorobiphenyl	10.235	10.125	10.325	56.640	50.000	13.3
Tetrachloro-m-xylene	4.515	4.412	4.612	44.100	50.000	-11.8

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM **Case No.:** Q1774 **SAS No.:** Q1774 **SDG NO.:** Q1774

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 03/27/2025 03/27/2025

Client Sample No.: CCAL04 **Date Analyzed:** 04/11/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP071238.D **Time Analyzed:** 17:35

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.900	4.803	5.003	479.110	500.000	-4.2
Aroclor-1016-2	4.918	4.822	5.022	470.400	500.000	-5.9
Aroclor-1016-3	5.095	4.999	5.199	496.310	500.000	-0.7
Aroclor-1016-4	5.137	5.041	5.241	487.780	500.000	-2.4
Aroclor-1016-5	5.351	5.255	5.455	514.420	500.000	2.9
Aroclor-1260-1	6.387	6.292	6.492	499.880	500.000	0.0
Aroclor-1260-2	6.575	6.480	6.680	489.430	500.000	-2.1
Aroclor-1260-3	6.728	6.634	6.834	484.790	500.000	-3.0
Aroclor-1260-4	7.199	7.105	7.305	452.950	500.000	-9.4
Aroclor-1260-5	7.441	7.346	7.546	405.910	500.000	-18.8
Decachlorobiphenyl	8.851	8.759	8.959	48.600	50.000	-2.8
Tetrachloro-m-xylene	3.814	3.716	3.916	46.810	50.000	-6.4

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Fax : 908 789 8922

Analytical Sequence

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Project: CTO WE13 **Instrument ID:** ECD_P

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 03/27/2025 03/27/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	03/27/2025	10:14	PP070916.D	10.23	4.51
AR1660ICC1000	AR1660ICC1000	03/27/2025	10:30	PP070917.D	10.23	4.51
AR1660ICC750	AR1660ICC750	03/27/2025	10:47	PP070918.D	10.23	4.52
AR1660ICC500	AR1660ICC500	03/27/2025	11:03	PP070919.D	10.23	4.51
AR1660ICC250	AR1660ICC250	03/27/2025	11:19	PP070920.D	10.23	4.52
AR1660ICC050	AR1660ICC050	03/27/2025	11:35	PP070921.D	10.23	4.51
AR1221ICC500	AR1221ICC500	03/27/2025	11:52	PP070922.D	10.23	4.52
AR1232ICC500	AR1232ICC500	03/27/2025	12:11	PP070923.D	10.23	4.52
AR1242ICC1000	AR1242ICC1000	03/27/2025	12:28	PP070924.D	10.23	4.51
AR1242ICC750	AR1242ICC750	03/27/2025	12:44	PP070925.D	10.23	4.51
AR1242ICC500	AR1242ICC500	03/27/2025	13:00	PP070926.D	10.23	4.51
AR1242ICC250	AR1242ICC250	03/27/2025	13:16	PP070927.D	10.23	4.51
AR1242ICC050	AR1242ICC050	03/27/2025	13:33	PP070928.D	10.23	4.51
AR1248ICC1000	AR1248ICC1000	03/27/2025	13:49	PP070929.D	10.23	4.51
AR1248ICC750	AR1248ICC750	03/27/2025	14:05	PP070930.D	10.23	4.51
AR1248ICC500	AR1248ICC500	03/27/2025	14:22	PP070931.D	10.23	4.51
AR1248ICC250	AR1248ICC250	03/27/2025	14:38	PP070932.D	10.23	4.52
AR1248ICC050	AR1248ICC050	03/27/2025	14:55	PP070933.D	10.23	4.51
AR1254ICC1000	AR1254ICC1000	03/27/2025	15:11	PP070934.D	10.23	4.51
AR1254ICC750	AR1254ICC750	03/27/2025	15:27	PP070935.D	10.23	4.51
AR1254ICC500	AR1254ICC500	03/27/2025	15:43	PP070936.D	10.23	4.51
AR1254ICC250	AR1254ICC250	03/27/2025	16:00	PP070937.D	10.23	4.51
AR1254ICC050	AR1254ICC050	03/27/2025	16:16	PP070938.D	10.23	4.52
AR1262ICC500	AR1262ICC500	03/27/2025	16:32	PP070939.D	10.23	4.51
AR1268ICC1000	AR1268ICC1000	03/27/2025	16:48	PP070940.D	10.23	4.52
AR1268ICC750	AR1268ICC750	03/27/2025	17:05	PP070941.D	10.23	4.51
AR1268ICC500	AR1268ICC500	03/27/2025	17:21	PP070942.D	10.23	4.51
AR1268ICC250	AR1268ICC250	03/27/2025	17:37	PP070943.D	10.23	4.52
AR1268ICC050	AR1268ICC050	03/27/2025	17:53	PP070944.D	10.23	4.51
AR1660CCC500	AR1660CCC500	04/10/2025	16:34	PP071206.D	10.23	4.52
I.BLK	I.BLK	04/10/2025	18:11	PP071210.D	10.23	4.51
PB167553BL	PB167553BL	04/10/2025	18:44	PP071211.D	10.23	4.52
TT-073-IDWGW-20250409	Q1774-02	04/10/2025	19:33	PP071214.D	10.23	4.52
TT-074-IDWGW-20250409	Q1774-03	04/10/2025	19:49	PP071215.D	10.23	4.52
TT-075-IDWGW-20250409	Q1774-04	04/10/2025	20:05	PP071216.D	10.23	4.51
AR1660CCC500	AR1660CCC500	04/10/2025	21:21	PP071217.D	10.23	4.51
I.BLK	I.BLK	04/10/2025	22:59	PP071221.D	10.23	4.52
AR1660CCC500	AR1660CCC500	04/11/2025	09:37	PP071223.D	10.25	4.52
I.BLK	I.BLK	04/11/2025	10:42	PP071227.D	10.23	4.51
PB167553BS	PB167553BS	04/11/2025	11:17	PP071228.D	10.24	4.52
PB167553BSD	PB167553BSD	04/11/2025	11:33	PP071229.D	10.23	4.52
AR1660CCC500	AR1660CCC500	04/11/2025	17:35	PP071238.D	10.24	4.52

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Analytical Sequence

I.BLK	I.BLK	04/11/2025	18:24	PP071241.D	10.24	4.52

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Analytical Sequence

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Project: CTO WE13 **Instrument ID:** ECD_P

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 03/27/2025 03/27/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	03/27/2025	10:14	PP070916.D	8.86	3.82
AR1660ICC1000	AR1660ICC1000	03/27/2025	10:30	PP070917.D	8.86	3.82
AR1660ICC750	AR1660ICC750	03/27/2025	10:47	PP070918.D	8.86	3.82
AR1660ICC500	AR1660ICC500	03/27/2025	11:03	PP070919.D	8.86	3.82
AR1660ICC250	AR1660ICC250	03/27/2025	11:19	PP070920.D	8.86	3.82
AR1660ICC050	AR1660ICC050	03/27/2025	11:35	PP070921.D	8.86	3.82
AR1221ICC500	AR1221ICC500	03/27/2025	11:52	PP070922.D	8.86	3.82
AR1232ICC500	AR1232ICC500	03/27/2025	12:11	PP070923.D	8.86	3.82
AR1242ICC1000	AR1242ICC1000	03/27/2025	12:28	PP070924.D	8.86	3.82
AR1242ICC750	AR1242ICC750	03/27/2025	12:44	PP070925.D	8.86	3.82
AR1242ICC500	AR1242ICC500	03/27/2025	13:00	PP070926.D	8.86	3.82
AR1242ICC250	AR1242ICC250	03/27/2025	13:16	PP070927.D	8.86	3.82
AR1242ICC050	AR1242ICC050	03/27/2025	13:33	PP070928.D	8.86	3.82
AR1248ICC1000	AR1248ICC1000	03/27/2025	13:49	PP070929.D	8.86	3.82
AR1248ICC750	AR1248ICC750	03/27/2025	14:05	PP070930.D	8.86	3.82
AR1248ICC500	AR1248ICC500	03/27/2025	14:22	PP070931.D	8.86	3.82
AR1248ICC250	AR1248ICC250	03/27/2025	14:38	PP070932.D	8.86	3.82
AR1248ICC050	AR1248ICC050	03/27/2025	14:55	PP070933.D	8.86	3.82
AR1254ICC1000	AR1254ICC1000	03/27/2025	15:11	PP070934.D	8.86	3.82
AR1254ICC750	AR1254ICC750	03/27/2025	15:27	PP070935.D	8.86	3.82
AR1254ICC500	AR1254ICC500	03/27/2025	15:43	PP070936.D	8.86	3.82
AR1254ICC250	AR1254ICC250	03/27/2025	16:00	PP070937.D	8.86	3.82
AR1254ICC050	AR1254ICC050	03/27/2025	16:16	PP070938.D	8.86	3.82
AR1262ICC500	AR1262ICC500	03/27/2025	16:32	PP070939.D	8.86	3.82
AR1268ICC1000	AR1268ICC1000	03/27/2025	16:48	PP070940.D	8.86	3.82
AR1268ICC750	AR1268ICC750	03/27/2025	17:05	PP070941.D	8.86	3.82
AR1268ICC500	AR1268ICC500	03/27/2025	17:21	PP070942.D	8.86	3.82
AR1268ICC250	AR1268ICC250	03/27/2025	17:37	PP070943.D	8.86	3.82
AR1268ICC050	AR1268ICC050	03/27/2025	17:53	PP070944.D	8.86	3.82
AR1660CCC500	AR1660CCC500	04/10/2025	16:34	PP071206.D	8.85	3.81
I.BLK	I.BLK	04/10/2025	18:11	PP071210.D	8.85	3.81
PB167553BL	PB167553BL	04/10/2025	18:44	PP071211.D	8.85	3.81
TT-073-IDWGW-20250409	Q1774-02	04/10/2025	19:33	PP071214.D	8.85	3.81
TT-074-IDWGW-20250409	Q1774-03	04/10/2025	19:49	PP071215.D	8.85	3.81
TT-075-IDWGW-20250409	Q1774-04	04/10/2025	20:05	PP071216.D	8.85	3.81
AR1660CCC500	AR1660CCC500	04/10/2025	21:21	PP071217.D	8.85	3.81
I.BLK	I.BLK	04/10/2025	22:59	PP071221.D	8.85	3.81
AR1660CCC500	AR1660CCC500	04/11/2025	09:37	PP071223.D	8.86	3.82
I.BLK	I.BLK	04/11/2025	10:42	PP071227.D	8.85	3.81
PB167553BS	PB167553BS	04/11/2025	11:17	PP071228.D	8.85	3.82
PB167553BSD	PB167553BSD	04/11/2025	11:33	PP071229.D	8.85	3.81
AR1660CCC500	AR1660CCC500	04/11/2025	17:35	PP071238.D	8.85	3.81

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Analytical Sequence

I.BLK	I.BLK	04/11/2025	18:24	PP071241.D	8.85	3.81

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	PB167553BL	SDG No.:	Q1774
Lab Sample ID:	PB167553BL	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP071211.D	1	04/10/25 13:05	04/10/25 18:44	PB167553

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.097	0.25	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.13	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.096	0.25	0.50	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.12	0.25	0.50	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.071	0.25	0.50	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.094	0.25	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.25	U	0.11	0.25	0.50	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	24.7		35 - 137		123%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.3		40 - 135		121%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	03/27/25
Project:	CTO WE13	Date Received:	03/27/25
Client Sample ID:	PIBLK-PP070916.D	SDG No.:	Q1774
Lab Sample ID:	I.BLK-PP070916.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070916.D	1		03/27/25	PP032725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.097	0.25	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.13	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.096	0.25	0.50	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.12	0.25	0.50	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.071	0.25	0.50	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.094	0.25	0.50	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.25	U	0.11	0.25	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	18.1		60 - 140		91%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.4		60 - 140		97%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	04/10/25
Project:	CTO WE13	Date Received:	04/10/25
Client Sample ID:	PIBLK-PP071210.D	SDG No.:	Q1774
Lab Sample ID:	I.BLK-PP071210.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP071210.D	1		04/10/25	PP041025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.097	0.25	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.13	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.096	0.25	0.50	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.12	0.25	0.50	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.071	0.25	0.50	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.094	0.25	0.50	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.25	U	0.11	0.25	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	19.6		60 - 140		98%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.7		60 - 140		93%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
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LOD = Limit of Detection
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J = Estimated Value
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	04/10/25
Project:	CTO WE13	Date Received:	04/10/25
Client Sample ID:	PIBLK-PP071221.D	SDG No.:	Q1774
Lab Sample ID:	I.BLK-PP071221.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP071221.D	1		04/10/25	PP041025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.097	0.25	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.13	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.096	0.25	0.50	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.12	0.25	0.50	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.071	0.25	0.50	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.094	0.25	0.50	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.25	U	0.11	0.25	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	20.7		60 - 140		103%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.7		60 - 140		93%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
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E = Value Exceeds Calibration Range
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J = Estimated Value
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	04/11/25
Project:	CTO WE13	Date Received:	04/11/25
Client Sample ID:	PIBLK-PP071227.D	SDG No.:	Q1774
Lab Sample ID:	I.BLK-PP071227.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP071227.D	1		04/11/25	pp041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.097	0.25	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.13	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.096	0.25	0.50	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.12	0.25	0.50	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.071	0.25	0.50	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.094	0.25	0.50	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.25	U	0.11	0.25	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	20.9		60 - 140		104%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.0		60 - 140		95%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	04/11/25
Project:	CTO WE13	Date Received:	04/11/25
Client Sample ID:	PIBLK-PP071241.D	SDG No.:	Q1774
Lab Sample ID:	I.BLK-PP071241.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP071241.D	1		04/11/25	pp041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.097	0.25	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.13	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.096	0.25	0.50	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.12	0.25	0.50	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.071	0.25	0.50	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.094	0.25	0.50	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.25	U	0.11	0.25	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	20.5		60 - 140		103%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.6		60 - 140		98%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	PB167553BS	SDG No.:	Q1774
Lab Sample ID:	PB167553BS	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP071228.D	1	04/10/25 13:05	04/11/25 11:17	PB167553

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	4.60		0.097	0.25	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.13	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.096	0.25	0.50	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.12	0.25	0.50	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.071	0.25	0.50	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.094	0.25	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.25	U	0.11	0.25	0.50	ug/L
11096-82-5	Aroclor-1260	4.60		0.081	0.25	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	21.7		35 - 137		109%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.0		40 - 135		110%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	CTO WE13	Date Received:	
Client Sample ID:	PB167553BSD	SDG No.:	Q1774
Lab Sample ID:	PB167553BSD	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP071229.D	1	04/10/25 13:05	04/11/25 11:33	PB167553

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	4.70		0.097	0.25	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.13	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.096	0.25	0.50	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.12	0.25	0.50	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.071	0.25	0.50	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.094	0.25	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.25	U	0.11	0.25	0.50	ug/L
11096-82-5	Aroclor-1260	4.70		0.081	0.25	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	22.5		35 - 137		112%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.1		40 - 135		115%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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LAB CHRONICLE

OrderID:	Q1774	**OrderDate:**	4/10/2025 10:43:00 AM
Client:	Tetra Tech NUS, Inc.	**Project:**	CTO WE13
Contact:	Ernie Wu	**Location:**	F11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1774-02	**TT-073-IDWGW-2025 0409**	**Water**			**04/09/25**			**04/10/25**
			Mercury	7470A		04/10/25	04/11/25	
			Metals ICP-TAL	6010D		04/11/25	04/14/25	
Q1774-03	**TT-074-IDWGW-2025 0409**	**Water**			**04/09/25**			**04/10/25**
			Mercury	7470A		04/10/25	04/11/25	
			Metals ICP-TAL	6010D		04/11/25	04/14/25	
Q1774-04	**TT-075-IDWGW-2025 0409**	**Water**			**04/09/25**			**04/10/25**
			Mercury	7470A		04/10/25	04/11/25	
			Metals ICP-TAL	6010D		04/11/25	04/14/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1774 **Order ID:** Q1774

Client: Tetra Tech NUS, Inc. **Project ID:** CTO WE13

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : TT-073-IDWGW-20250409									
Q1774-02	TT-073-IDWGW-20250409	Water	Aluminum	10000		28.3	40.0	50.0	ug/L
Q1774-02	TT-073-IDWGW-20250409	Water	Arsenic	9.21	J	3.48	8.00	10.0	ug/L
Q1774-02	TT-073-IDWGW-20250409	Water	Barium	94.7		6.28	12.5	50.0	ug/L
Q1774-02	TT-073-IDWGW-20250409	Water	Beryllium	1.44	J	0.13	0.75	3.00	ug/L
Q1774-02	TT-073-IDWGW-20250409	Water	Calcium	11100		33.0	250	1000	ug/L
Q1774-02	TT-073-IDWGW-20250409	Water	Chromium	37.4		0.66	2.50	5.00	ug/L
Q1774-02	TT-073-IDWGW-20250409	Water	Cobalt	8.71	J	0.50	3.75	15.0	ug/L
Q1774-02	TT-073-IDWGW-20250409	Water	Copper	42.7		7.07	8.00	10.0	ug/L
Q1774-02	TT-073-IDWGW-20250409	Water	Iron	9850		18.5	40.0	50.0	ug/L
Q1774-02	TT-073-IDWGW-20250409	Water	Lead	22.2		3.51	4.80	6.00	ug/L
Q1774-02	TT-073-IDWGW-20250409	Water	Magnesium	3630		39.4	250	1000	ug/L
Q1774-02	TT-073-IDWGW-20250409	Water	Manganese	237		1.46	2.50	10.0	ug/L
Q1774-02	TT-073-IDWGW-20250409	Water	Nickel	18.1	J	0.85	5.00	20.0	ug/L
Q1774-02	TT-073-IDWGW-20250409	Water	Potassium	78500		685	800	1000	ug/L
Q1774-02	TT-073-IDWGW-20250409	Water	Sodium	61400		237	500	1000	ug/L
Q1774-02	TT-073-IDWGW-20250409	Water	Vanadium	22.5		3.06	10.0	20.0	ug/L
Q1774-02	TT-073-IDWGW-20250409	Water	Zinc	45.6		1.75	5.00	20.0	ug/L
Client ID : TT-074-IDWGW-20250409									
Q1774-03	TT-074-IDWGW-20250409	Water	Aluminum	28500		28.3	40.0	50.0	ug/L
Q1774-03	TT-074-IDWGW-20250409	Water	Arsenic	9.31	J	3.48	8.00	10.0	ug/L
Q1774-03	TT-074-IDWGW-20250409	Water	Barium	122		6.28	12.5	50.0	ug/L
Q1774-03	TT-074-IDWGW-20250409	Water	Beryllium	1.67	J	0.13	0.75	3.00	ug/L
Q1774-03	TT-074-IDWGW-20250409	Water	Calcium	10500		33.0	250	1000	ug/L
Q1774-03	TT-074-IDWGW-20250409	Water	Chromium	51.0		0.66	2.50	5.00	ug/L
Q1774-03	TT-074-IDWGW-20250409	Water	Cobalt	14.4	J	0.50	3.75	15.0	ug/L
Q1774-03	TT-074-IDWGW-20250409	Water	Copper	35.5		7.07	8.00	10.0	ug/L
Q1774-03	TT-074-IDWGW-20250409	Water	Iron	20200		18.5	40.0	50.0	ug/L
Q1774-03	TT-074-IDWGW-20250409	Water	Lead	36.6		3.51	4.80	6.00	ug/L
Q1774-03	TT-074-IDWGW-20250409	Water	Magnesium	6070		39.4	250	1000	ug/L
Q1774-03	TT-074-IDWGW-20250409	Water	Manganese	459		1.46	2.50	10.0	ug/L
Q1774-03	TT-074-IDWGW-20250409	Water	Nickel	24.6		0.85	5.00	20.0	ug/L
Q1774-03	TT-074-IDWGW-20250409	Water	Potassium	2890		685	800	1000	ug/L
Q1774-03	TT-074-IDWGW-20250409	Water	Sodium	33100		237	500	1000	ug/L
Q1774-03	TT-074-IDWGW-20250409	Water	Vanadium	55.0		3.06	10.0	20.0	ug/L
Q1774-03	TT-074-IDWGW-20250409	Water	Zinc	62.0		1.75	5.00	20.0	ug/L
Client ID : TT-075-IDWGW-20250409									

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Hit Summary Sheet
SW-846

SDG No.: Q1774 **Order ID:** Q1774

Client: Tetra Tech NUS, Inc. **Project ID:** CTO WE13

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q1774-04	TT-075-IDWGW-20250409	Water	Aluminum	16600		28.3	40.0	50.0	ug/L
Q1774-04	TT-075-IDWGW-20250409	Water	Arsenic	7.46	J	3.48	8.00	10.0	ug/L
Q1774-04	TT-075-IDWGW-20250409	Water	Barium	102		6.28	12.5	50.0	ug/L
Q1774-04	TT-075-IDWGW-20250409	Water	Beryllium	1.65	J	0.13	0.75	3.00	ug/L
Q1774-04	TT-075-IDWGW-20250409	Water	Calcium	12900		33.0	250	1000	ug/L
Q1774-04	TT-075-IDWGW-20250409	Water	Chromium	38.6		0.66	2.50	5.00	ug/L
Q1774-04	TT-075-IDWGW-20250409	Water	Cobalt	9.44	J	0.50	3.75	15.0	ug/L
Q1774-04	TT-075-IDWGW-20250409	Water	Copper	30.6		7.07	8.00	10.0	ug/L
Q1774-04	TT-075-IDWGW-20250409	Water	Iron	14100		18.5	40.0	50.0	ug/L
Q1774-04	TT-075-IDWGW-20250409	Water	Lead	29.9		3.51	4.80	6.00	ug/L
Q1774-04	TT-075-IDWGW-20250409	Water	Magnesium	4550		39.4	250	1000	ug/L
Q1774-04	TT-075-IDWGW-20250409	Water	Manganese	518		1.46	2.50	10.0	ug/L
Q1774-04	TT-075-IDWGW-20250409	Water	Nickel	22.8		0.85	5.00	20.0	ug/L
Q1774-04	TT-075-IDWGW-20250409	Water	Potassium	2280		685	800	1000	ug/L
Q1774-04	TT-075-IDWGW-20250409	Water	Sodium	25000		237	500	1000	ug/L
Q1774-04	TT-075-IDWGW-20250409	Water	Vanadium	19.5	J	3.06	10.0	20.0	ug/L
Q1774-04	TT-075-IDWGW-20250409	Water	Zinc	49.3		1.75	5.00	20.0	ug/L

SAMPLE DATA

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	04/09/25
Project:	CTO WE13	Date Received:	04/10/25
Client Sample ID:	TT-073-IDWGW-20250409	SDG No.:	Q1774
Lab Sample ID:	Q1774-02	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	10000		1	28.3	40.0	50.0	ug/L	04/11/25 10:15	04/14/25 15:05	SW6010	SW3010
7440-36-0	Antimony	6.25	U	1	2.06	6.25	25.0	ug/L	04/11/25 10:15	04/14/25 15:05	SW6010	SW3010
7440-38-2	Arsenic	9.21	J	1	3.48	8.00	10.0	ug/L	04/11/25 10:15	04/14/25 15:05	SW6010	SW3010
7440-39-3	Barium	94.7	N	1	6.28	12.5	50.0	ug/L	04/11/25 10:15	04/14/25 15:05	SW6010	SW3010
7440-41-7	Beryllium	1.44	J	1	0.13	0.75	3.00	ug/L	04/11/25 10:15	04/14/25 15:05	SW6010	SW3010
7440-43-9	Cadmium	0.75	U	1	0.094	0.75	3.00	ug/L	04/11/25 10:15	04/14/25 15:05	SW6010	SW3010
7440-70-2	Calcium	11100		1	33.0	250	1000	ug/L	04/11/25 10:15	04/14/25 15:05	SW6010	SW3010
7440-47-3	Chromium	37.4	N	1	0.66	2.50	5.00	ug/L	04/11/25 10:15	04/14/25 15:05	SW6010	SW3010
7440-48-4	Cobalt	8.71	J	1	0.50	3.75	15.0	ug/L	04/11/25 10:15	04/14/25 15:05	SW6010	SW3010
7440-50-8	Copper	42.7	N	1	7.07	8.00	10.0	ug/L	04/11/25 10:15	04/14/25 15:05	SW6010	SW3010
7439-89-6	Iron	9850		1	18.5	40.0	50.0	ug/L	04/11/25 10:15	04/14/25 15:05	SW6010	SW3010
7439-92-1	Lead	22.2		1	3.51	4.80	6.00	ug/L	04/11/25 10:15	04/14/25 15:05	SW6010	SW3010
7439-95-4	Magnesium	3630	N	1	39.4	250	1000	ug/L	04/11/25 10:15	04/14/25 15:05	SW6010	SW3010
7439-96-5	Manganese	237	N	1	1.46	2.50	10.0	ug/L	04/11/25 10:15	04/14/25 15:05	SW6010	SW3010
7439-97-6	Mercury	0.16	UN	1	0.076	0.16	0.20	ug/L	04/10/25 14:20	04/11/25 11:09	SW7470A	
7440-02-0	Nickel	18.1	J	1	0.85	5.00	20.0	ug/L	04/11/25 10:15	04/14/25 15:05	SW6010	SW3010
7440-09-7	Potassium	78500		1	685	800	1000	ug/L	04/11/25 10:15	04/14/25 15:05	SW6010	SW3010
7782-49-2	Selenium	8.00	U	1	5.88	8.00	10.0	ug/L	04/11/25 10:15	04/14/25 15:05	SW6010	SW3010
7440-22-4	Silver	2.50	U	1	0.58	2.50	5.00	ug/L	04/11/25 10:15	04/14/25 15:05	SW6010	SW3010
7440-23-5	Sodium	61400		1	237	500	1000	ug/L	04/11/25 10:15	04/14/25 15:05	SW6010	SW3010
7440-28-0	Thallium	10.0	U	1	2.32	10.0	20.0	ug/L	04/11/25 10:15	04/14/25 15:05	SW6010	SW3010
7440-62-2	Vanadium	22.5	N	1	3.06	10.0	20.0	ug/L	04/11/25 10:15	04/14/25 15:05	SW6010	SW3010
7440-66-6	Zinc	45.6	N	1	1.75	5.00	20.0	ug/L	04/11/25 10:15	04/14/25 15:05	SW6010	SW3010

Color Before:	light Brown	Clarity Before:	Cloudy	Texture:	
Color After:	light Brown	Clarity After:	Cloudy	Artifacts:	
Comments:	METALS-TAL				

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	04/09/25
Project:	CTO WE13	Date Received:	04/10/25
Client Sample ID:	TT-074-IDWGW-20250409	SDG No.:	Q1774
Lab Sample ID:	Q1774-03	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	28500		1	28.3	40.0	50.0	ug/L	04/11/25 10:15	04/14/25 15:09	SW6010	SW3010
7440-36-0	Antimony	6.25	U	1	2.06	6.25	25.0	ug/L	04/11/25 10:15	04/14/25 15:09	SW6010	SW3010
7440-38-2	Arsenic	9.31	J	1	3.48	8.00	10.0	ug/L	04/11/25 10:15	04/14/25 15:09	SW6010	SW3010
7440-39-3	Barium	122	N	1	6.28	12.5	50.0	ug/L	04/11/25 10:15	04/14/25 15:09	SW6010	SW3010
7440-41-7	Beryllium	1.67	J	1	0.13	0.75	3.00	ug/L	04/11/25 10:15	04/14/25 15:09	SW6010	SW3010
7440-43-9	Cadmium	0.75	U	1	0.094	0.75	3.00	ug/L	04/11/25 10:15	04/14/25 15:09	SW6010	SW3010
7440-70-2	Calcium	10500		1	33.0	250	1000	ug/L	04/11/25 10:15	04/14/25 15:09	SW6010	SW3010
7440-47-3	Chromium	51.0	N	1	0.66	2.50	5.00	ug/L	04/11/25 10:15	04/14/25 15:09	SW6010	SW3010
7440-48-4	Cobalt	14.4	J	1	0.50	3.75	15.0	ug/L	04/11/25 10:15	04/14/25 15:09	SW6010	SW3010
7440-50-8	Copper	35.5	N	1	7.07	8.00	10.0	ug/L	04/11/25 10:15	04/14/25 15:09	SW6010	SW3010
7439-89-6	Iron	20200		1	18.5	40.0	50.0	ug/L	04/11/25 10:15	04/14/25 15:09	SW6010	SW3010
7439-92-1	Lead	36.6		1	3.51	4.80	6.00	ug/L	04/11/25 10:15	04/14/25 15:09	SW6010	SW3010
7439-95-4	Magnesium	6070	N	1	39.4	250	1000	ug/L	04/11/25 10:15	04/14/25 15:09	SW6010	SW3010
7439-96-5	Manganese	459	N	1	1.46	2.50	10.0	ug/L	04/11/25 10:15	04/14/25 15:09	SW6010	SW3010
7439-97-6	Mercury	0.16	UN	1	0.076	0.16	0.20	ug/L	04/10/25 14:20	04/11/25 11:12	SW7470A	
7440-02-0	Nickel	24.6		1	0.85	5.00	20.0	ug/L	04/11/25 10:15	04/14/25 15:09	SW6010	SW3010
7440-09-7	Potassium	2890		1	685	800	1000	ug/L	04/11/25 10:15	04/14/25 15:09	SW6010	SW3010
7782-49-2	Selenium	8.00	U	1	5.88	8.00	10.0	ug/L	04/11/25 10:15	04/14/25 15:09	SW6010	SW3010
7440-22-4	Silver	2.50	U	1	0.58	2.50	5.00	ug/L	04/11/25 10:15	04/14/25 15:09	SW6010	SW3010
7440-23-5	Sodium	33100		1	237	500	1000	ug/L	04/11/25 10:15	04/14/25 15:09	SW6010	SW3010
7440-28-0	Thallium	10.0	U	1	2.32	10.0	20.0	ug/L	04/11/25 10:15	04/14/25 15:09	SW6010	SW3010
7440-62-2	Vanadium	55.0	N	1	3.06	10.0	20.0	ug/L	04/11/25 10:15	04/14/25 15:09	SW6010	SW3010
7440-66-6	Zinc	62.0	N	1	1.75	5.00	20.0	ug/L	04/11/25 10:15	04/14/25 15:09	SW6010	SW3010

Color Before:	Brown	Clarity Before:	Cloudy	Texture:	
Color After:	Brown	Clarity After:	Cloudy	Artifacts:	
Comments:	METALS-TAL				

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	04/09/25
Project:	CTO WE13	Date Received:	04/10/25
Client Sample ID:	TT-075-IDWGW-20250409	SDG No.:	Q1774
Lab Sample ID:	Q1774-04	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	16600		1	28.3	40.0	50.0	ug/L	04/11/25 10:15	04/14/25 15:14	SW6010	SW3010
7440-36-0	Antimony	6.25	U	1	2.06	6.25	25.0	ug/L	04/11/25 10:15	04/14/25 15:14	SW6010	SW3010
7440-38-2	Arsenic	7.46	J	1	3.48	8.00	10.0	ug/L	04/11/25 10:15	04/14/25 15:14	SW6010	SW3010
7440-39-3	Barium	102	N	1	6.28	12.5	50.0	ug/L	04/11/25 10:15	04/14/25 15:14	SW6010	SW3010
7440-41-7	Beryllium	1.65	J	1	0.13	0.75	3.00	ug/L	04/11/25 10:15	04/14/25 15:14	SW6010	SW3010
7440-43-9	Cadmium	0.75	U	1	0.094	0.75	3.00	ug/L	04/11/25 10:15	04/14/25 15:14	SW6010	SW3010
7440-70-2	Calcium	12900		1	33.0	250	1000	ug/L	04/11/25 10:15	04/14/25 15:14	SW6010	SW3010
7440-47-3	Chromium	38.6	N	1	0.66	2.50	5.00	ug/L	04/11/25 10:15	04/14/25 15:14	SW6010	SW3010
7440-48-4	Cobalt	9.44	J	1	0.50	3.75	15.0	ug/L	04/11/25 10:15	04/14/25 15:14	SW6010	SW3010
7440-50-8	Copper	30.6	N	1	7.07	8.00	10.0	ug/L	04/11/25 10:15	04/14/25 15:14	SW6010	SW3010
7439-89-6	Iron	14100		1	18.5	40.0	50.0	ug/L	04/11/25 10:15	04/14/25 15:14	SW6010	SW3010
7439-92-1	Lead	29.9		1	3.51	4.80	6.00	ug/L	04/11/25 10:15	04/14/25 15:14	SW6010	SW3010
7439-95-4	Magnesium	4550	N	1	39.4	250	1000	ug/L	04/11/25 10:15	04/14/25 15:14	SW6010	SW3010
7439-96-5	Manganese	518	N	1	1.46	2.50	10.0	ug/L	04/11/25 10:15	04/14/25 15:14	SW6010	SW3010
7439-97-6	Mercury	0.16	UN	1	0.076	0.16	0.20	ug/L	04/10/25 14:20	04/11/25 11:19	SW7470A	
7440-02-0	Nickel	22.8		1	0.85	5.00	20.0	ug/L	04/11/25 10:15	04/14/25 15:14	SW6010	SW3010
7440-09-7	Potassium	2280		1	685	800	1000	ug/L	04/11/25 10:15	04/14/25 15:14	SW6010	SW3010
7782-49-2	Selenium	8.00	U	1	5.88	8.00	10.0	ug/L	04/11/25 10:15	04/14/25 15:14	SW6010	SW3010
7440-22-4	Silver	2.50	U	1	0.58	2.50	5.00	ug/L	04/11/25 10:15	04/14/25 15:14	SW6010	SW3010
7440-23-5	Sodium	25000		1	237	500	1000	ug/L	04/11/25 10:15	04/14/25 15:14	SW6010	SW3010
7440-28-0	Thallium	10.0	U	1	2.32	10.0	20.0	ug/L	04/11/25 10:15	04/14/25 15:14	SW6010	SW3010
7440-62-2	Vanadium	19.5	JN	1	3.06	10.0	20.0	ug/L	04/11/25 10:15	04/14/25 15:14	SW6010	SW3010
7440-66-6	Zinc	49.3	N	1	1.75	5.00	20.0	ug/L	04/11/25 10:15	04/14/25 15:14	SW6010	SW3010

Color Before:	light Brown	Clarity Before:	Cloudy	Texture:	
Color After:	light Brown	Clarity After:	Cloudy	Artifacts:	
Comments:	METALS-TAL				

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: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1774 **SAS No.:** Q1774

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV84	Mercury	3.61	4.0	90	90 - 110	CV	04/11/2025	10:03	LB135388

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1774 **SAS No.:** Q1774

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV59	Mercury	5.05	5.0	101	90 - 110	CV	04/11/2025	10:07	LB135388
CCV60	Mercury	4.52	5.0	90	90 - 110	CV	04/11/2025	10:37	LB135388
CCV61	Mercury	4.67	5.0	93	90 - 110	CV	04/11/2025	11:14	LB135388
CCV62	Mercury	4.81	5.0	96	90 - 110	CV	04/11/2025	11:41	LB135388

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1774 **SAS No.:** Q1774

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	Aluminum	2360	2500	94	90 - 110	P	04/14/2025	13:56	LB135424
	Antimony	1040	1000	104	90 - 110	P	04/14/2025	13:56	LB135424
	Arsenic	1060	1000	106	90 - 110	P	04/14/2025	13:56	LB135424
	Barium	534	520	103	90 - 110	P	04/14/2025	13:56	LB135424
	Beryllium	496	510	97	90 - 110	P	04/14/2025	13:56	LB135424
	Cadmium	507	510	99	90 - 110	P	04/14/2025	13:56	LB135424
	Calcium	9360	10000	94	90 - 110	P	04/14/2025	13:56	LB135424
	Chromium	507	520	98	90 - 110	P	04/14/2025	13:56	LB135424
	Cobalt	490	520	94	90 - 110	P	04/14/2025	13:56	LB135424
	Copper	513	510	100	90 - 110	P	04/14/2025	13:56	LB135424
	Iron	9380	10000	94	90 - 110	P	04/14/2025	13:56	LB135424
	Lead	1000	1000	100	90 - 110	P	04/14/2025	13:56	LB135424
	Magnesium	5990	6000	100	90 - 110	P	04/14/2025	13:56	LB135424
	Manganese	483	520	93	90 - 110	P	04/14/2025	13:56	LB135424
	Nickel	494	530	93	90 - 110	P	04/14/2025	13:56	LB135424
	Potassium	9740	9900	98	90 - 110	P	04/14/2025	13:56	LB135424
	Selenium	1050	1000	105	90 - 110	P	04/14/2025	13:56	LB135424
	Silver	246	250	98	90 - 110	P	04/14/2025	13:56	LB135424
	Sodium	10100	10000	101	90 - 110	P	04/14/2025	13:56	LB135424
	Thallium	1030	1000	103	90 - 110	P	04/14/2025	13:56	LB135424
	Vanadium	474	500	95	90 - 110	P	04/14/2025	13:56	LB135424
	Zinc	994	1000	99	90 - 110	P	04/14/2025	13:56	LB135424

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1774 **SAS No.:** Q1774

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	Aluminum	97.5	100	98	80 - 120	P	04/14/2025	14:01	LB135424
	Antimony	53.2	50.0	106	80 - 120	P	04/14/2025	14:01	LB135424
	Arsenic	22.8	20.0	114	80 - 120	P	04/14/2025	14:01	LB135424
	Barium	96.1	100	96	80 - 120	P	04/14/2025	14:01	LB135424
	Beryllium	6.00	6.0	100	80 - 120	P	04/14/2025	14:01	LB135424
	Cadmium	6.12	6.0	102	80 - 120	P	04/14/2025	14:01	LB135424
	Calcium	1980	2000	99	80 - 120	P	04/14/2025	14:01	LB135424
	Chromium	9.81	10.0	98	80 - 120	P	04/14/2025	14:01	LB135424
	Cobalt	29.6	30.0	98	80 - 120	P	04/14/2025	14:01	LB135424
	Copper	22.6	20.0	113	80 - 120	P	04/14/2025	14:01	LB135424
	Iron	99.4	100	99	80 - 120	P	04/14/2025	14:01	LB135424
	Lead	12.4	12.0	103	80 - 120	P	04/14/2025	14:01	LB135424
	Magnesium	2080	2000	104	80 - 120	P	04/14/2025	14:01	LB135424
	Manganese	20.6	20.0	103	80 - 120	P	04/14/2025	14:01	LB135424
	Nickel	39.5	40.0	99	80 - 120	P	04/14/2025	14:01	LB135424
	Potassium	1920	2000	96	80 - 120	P	04/14/2025	14:01	LB135424
	Selenium	19.0	20.0	95	80 - 120	P	04/14/2025	14:01	LB135424
	Silver	10.0	10.0	100	80 - 120	P	04/14/2025	14:01	LB135424
	Sodium	1840	2000	92	80 - 120	P	04/14/2025	14:01	LB135424
	Thallium	41.8	40.0	105	80 - 120	P	04/14/2025	14:01	LB135424
	Vanadium	40.4	40.0	101	80 - 120	P	04/14/2025	14:01	LB135424
	Zinc	41.6	40.0	104	80 - 120	P	04/14/2025	14:01	LB135424

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1774 **SAS No.:** Q1774

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	Aluminum	9750	10000	98	90 - 110	P	04/14/2025	14:31	LB135424
	Antimony	4920	5000	98	90 - 110	P	04/14/2025	14:31	LB135424
	Arsenic	4910	5000	98	90 - 110	P	04/14/2025	14:31	LB135424
	Barium	9640	10000	96	90 - 110	P	04/14/2025	14:31	LB135424
	Beryllium	256	250	102	90 - 110	P	04/14/2025	14:31	LB135424
	Cadmium	2460	2500	98	90 - 110	P	04/14/2025	14:31	LB135424
	Calcium	24400	25000	98	90 - 110	P	04/14/2025	14:31	LB135424
	Chromium	1000	1000	100	90 - 110	P	04/14/2025	14:31	LB135424
	Cobalt	2460	2500	98	90 - 110	P	04/14/2025	14:31	LB135424
	Copper	1240	1250	100	90 - 110	P	04/14/2025	14:31	LB135424
	Iron	4830	5000	97	90 - 110	P	04/14/2025	14:31	LB135424
	Lead	4940	5000	99	90 - 110	P	04/14/2025	14:31	LB135424
	Magnesium	24400	25000	98	90 - 110	P	04/14/2025	14:31	LB135424
	Manganese	2440	2500	98	90 - 110	P	04/14/2025	14:31	LB135424
	Nickel	2460	2500	98	90 - 110	P	04/14/2025	14:31	LB135424
	Potassium	23800	25000	95	90 - 110	P	04/14/2025	14:31	LB135424
	Selenium	4930	5000	98	90 - 110	P	04/14/2025	14:31	LB135424
	Silver	1250	1250	100	90 - 110	P	04/14/2025	14:31	LB135424
	Sodium	23800	25000	95	90 - 110	P	04/14/2025	14:31	LB135424
	Thallium	5050	5000	101	90 - 110	P	04/14/2025	14:31	LB135424
	Vanadium	2440	2500	98	90 - 110	P	04/14/2025	14:31	LB135424
	Zinc	2510	2500	100	90 - 110	P	04/14/2025	14:31	LB135424
CCV02	Aluminum	9730	10000	97	90 - 110	P	04/14/2025	15:22	LB135424
	Antimony	4950	5000	99	90 - 110	P	04/14/2025	15:22	LB135424
	Arsenic	4930	5000	99	90 - 110	P	04/14/2025	15:22	LB135424
	Barium	9580	10000	96	90 - 110	P	04/14/2025	15:22	LB135424
	Beryllium	246	250	98	90 - 110	P	04/14/2025	15:22	LB135424
	Cadmium	2460	2500	98	90 - 110	P	04/14/2025	15:22	LB135424
	Calcium	24100	25000	96	90 - 110	P	04/14/2025	15:22	LB135424
	Chromium	995	1000	100	90 - 110	P	04/14/2025	15:22	LB135424
	Cobalt	2460	2500	98	90 - 110	P	04/14/2025	15:22	LB135424
	Copper	1250	1250	100	90 - 110	P	04/14/2025	15:22	LB135424
	Iron	4880	5000	98	90 - 110	P	04/14/2025	15:22	LB135424
	Lead	4930	5000	98	90 - 110	P	04/14/2025	15:22	LB135424

Alliance TECHNICAL GROUP
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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1774 **SAS No.:** Q1774

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
CCV02	Magnesium	24000	25000	96	90 - 110	P	04/14/2025	15:22	LB135424
	Manganese	2410	2500	96	90 - 110	P	04/14/2025	15:22	LB135424
	Nickel	2460	2500	98	90 - 110	P	04/14/2025	15:22	LB135424
	Potassium	24300	25000	97	90 - 110	P	04/14/2025	15:22	LB135424
	Selenium	4970	5000	99	90 - 110	P	04/14/2025	15:22	LB135424
	Silver	1230	1250	98	90 - 110	P	04/14/2025	15:22	LB135424
	Sodium	24400	25000	98	90 - 110	P	04/14/2025	15:22	LB135424
	Thallium	4980	5000	100	90 - 110	P	04/14/2025	15:22	LB135424
	Vanadium	2420	2500	97	90 - 110	P	04/14/2025	15:22	LB135424
	Zinc	2480	2500	99	90 - 110	P	04/14/2025	15:22	LB135424
CCV03	Aluminum	9760	10000	98	90 - 110	P	04/14/2025	16:28	LB135424
	Antimony	4910	5000	98	90 - 110	P	04/14/2025	16:28	LB135424
	Arsenic	4890	5000	98	90 - 110	P	04/14/2025	16:28	LB135424
	Barium	9870	10000	99	90 - 110	P	04/14/2025	16:28	LB135424
	Beryllium	248	250	99	90 - 110	P	04/14/2025	16:28	LB135424
	Cadmium	2470	2500	99	90 - 110	P	04/14/2025	16:28	LB135424
	Calcium	24400	25000	98	90 - 110	P	04/14/2025	16:28	LB135424
	Chromium	983	1000	98	90 - 110	P	04/14/2025	16:28	LB135424
	Cobalt	2480	2500	99	90 - 110	P	04/14/2025	16:28	LB135424
	Copper	1250	1250	100	90 - 110	P	04/14/2025	16:28	LB135424
	Iron	4970	5000	99	90 - 110	P	04/14/2025	16:28	LB135424
	Lead	4930	5000	99	90 - 110	P	04/14/2025	16:28	LB135424
	Magnesium	24200	25000	97	90 - 110	P	04/14/2025	16:28	LB135424
	Manganese	2460	2500	98	90 - 110	P	04/14/2025	16:28	LB135424
	Nickel	2470	2500	99	90 - 110	P	04/14/2025	16:28	LB135424
	Potassium	26100	25000	104	90 - 110	P	04/14/2025	16:28	LB135424
	Selenium	4900	5000	98	90 - 110	P	04/14/2025	16:28	LB135424
	Silver	1230	1250	99	90 - 110	P	04/14/2025	16:28	LB135424
	Sodium	26500	25000	106	90 - 110	P	04/14/2025	16:28	LB135424
	Thallium	4870	5000	97	90 - 110	P	04/14/2025	16:28	LB135424
	Vanadium	2450	2500	98	90 - 110	P	04/14/2025	16:28	LB135424
	Zinc	2470	2500	99	90 - 110	P	04/14/2025	16:28	LB135424
CCV04	Aluminum	9710	10000	97	90 - 110	P	04/14/2025	17:18	LB135424
	Antimony	4930	5000	99	90 - 110	P	04/14/2025	17:18	LB135424

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1774 **SAS No.:** Q1774

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
CCV04	Arsenic	4920	5000	98	90 - 110	P	04/14/2025	17:18	LB135424
	Barium	9580	10000	96	90 - 110	P	04/14/2025	17:18	LB135424
	Beryllium	248	250	99	90 - 110	P	04/14/2025	17:18	LB135424
	Cadmium	2480	2500	99	90 - 110	P	04/14/2025	17:18	LB135424
	Calcium	24200	25000	97	90 - 110	P	04/14/2025	17:18	LB135424
	Chromium	1000	1000	100	90 - 110	P	04/14/2025	17:18	LB135424
	Cobalt	2480	2500	99	90 - 110	P	04/14/2025	17:18	LB135424
	Copper	1250	1250	100	90 - 110	P	04/14/2025	17:18	LB135424
	Iron	4930	5000	99	90 - 110	P	04/14/2025	17:18	LB135424
	Lead	4940	5000	99	90 - 110	P	04/14/2025	17:18	LB135424
	Magnesium	24100	25000	96	90 - 110	P	04/14/2025	17:18	LB135424
	Manganese	2410	2500	96	90 - 110	P	04/14/2025	17:18	LB135424
	Nickel	2470	2500	99	90 - 110	P	04/14/2025	17:18	LB135424
	Potassium	26000	25000	104	90 - 110	P	04/14/2025	17:18	LB135424
	Selenium	4950	5000	99	90 - 110	P	04/14/2025	17:18	LB135424
	Silver	1240	1250	99	90 - 110	P	04/14/2025	17:18	LB135424
	Sodium	25900	25000	104	90 - 110	P	04/14/2025	17:18	LB135424
	Thallium	4960	5000	99	90 - 110	P	04/14/2025	17:18	LB135424
	Vanadium	2420	2500	97	90 - 110	P	04/14/2025	17:18	LB135424
	Zinc	2450	2500	98	90 - 110	P	04/14/2025	17:18	LB135424
CCV05	Aluminum	9700	10000	97	90 - 110	P	04/14/2025	18:16	LB135424
	Antimony	4910	5000	98	90 - 110	P	04/14/2025	18:16	LB135424
	Arsenic	4860	5000	97	90 - 110	P	04/14/2025	18:16	LB135424
	Barium	9570	10000	96	90 - 110	P	04/14/2025	18:16	LB135424
	Beryllium	256	250	102	90 - 110	P	04/14/2025	18:16	LB135424
	Cadmium	2470	2500	99	90 - 110	P	04/14/2025	18:16	LB135424
	Calcium	24300	25000	97	90 - 110	P	04/14/2025	18:16	LB135424
	Chromium	986	1000	99	90 - 110	P	04/14/2025	18:16	LB135424
	Cobalt	2470	2500	99	90 - 110	P	04/14/2025	18:16	LB135424
	Copper	1240	1250	99	90 - 110	P	04/14/2025	18:16	LB135424
	Iron	4770	5000	95	90 - 110	P	04/14/2025	18:16	LB135424
	Lead	4920	5000	98	90 - 110	P	04/14/2025	18:16	LB135424
	Magnesium	24200	25000	97	90 - 110	P	04/14/2025	18:16	LB135424
	Manganese	2430	2500	97	90 - 110	P	04/14/2025	18:16	LB135424

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1774 **SAS No.:** Q1774

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
CCV05	Nickel	2460	2500	98	90 - 110	P	04/14/2025	18:16	LB135424
	Potassium	23600	25000	94	90 - 110	P	04/14/2025	18:16	LB135424
	Selenium	4910	5000	98	90 - 110	P	04/14/2025	18:16	LB135424
	Silver	1230	1250	98	90 - 110	P	04/14/2025	18:16	LB135424
	Sodium	23400	25000	94	90 - 110	P	04/14/2025	18:16	LB135424
	Thallium	4910	5000	98	90 - 110	P	04/14/2025	18:16	LB135424
	Vanadium	2440	2500	97	90 - 110	P	04/14/2025	18:16	LB135424
	Zinc	2460	2500	98	90 - 110	P	04/14/2025	18:16	LB135424
CCV06	Aluminum	9630	10000	96	90 - 110	P	04/14/2025	19:07	LB135424
	Antimony	4840	5000	97	90 - 110	P	04/14/2025	19:07	LB135424
	Arsenic	4780	5000	96	90 - 110	P	04/14/2025	19:07	LB135424
	Barium	9740	10000	97	90 - 110	P	04/14/2025	19:07	LB135424
	Beryllium	252	250	101	90 - 110	P	04/14/2025	19:07	LB135424
	Cadmium	2460	2500	98	90 - 110	P	04/14/2025	19:07	LB135424
	Calcium	24200	25000	97	90 - 110	P	04/14/2025	19:07	LB135424
	Chromium	957	1000	96	90 - 110	P	04/14/2025	19:07	LB135424
	Cobalt	2460	2500	99	90 - 110	P	04/14/2025	19:07	LB135424
	Copper	1230	1250	98	90 - 110	P	04/14/2025	19:07	LB135424
	Iron	4560	5000	91	90 - 110	P	04/14/2025	19:07	LB135424
	Lead	4870	5000	98	90 - 110	P	04/14/2025	19:07	LB135424
	Magnesium	24000	25000	96	90 - 110	P	04/14/2025	19:07	LB135424
	Manganese	2440	2500	98	90 - 110	P	04/14/2025	19:07	LB135424
	Nickel	2450	2500	98	90 - 110	P	04/14/2025	19:07	LB135424
	Potassium	24300	25000	97	90 - 110	P	04/14/2025	19:07	LB135424
	Selenium	4820	5000	96	90 - 110	P	04/14/2025	19:07	LB135424
	Silver	1190	1250	95	90 - 110	P	04/14/2025	19:07	LB135424
	Sodium	24200	25000	97	90 - 110	P	04/14/2025	19:07	LB135424
	Thallium	4870	5000	98	90 - 110	P	04/14/2025	19:07	LB135424
	Vanadium	2430	2500	97	90 - 110	P	04/14/2025	19:07	LB135424
	Zinc	2350	2500	94	90 - 110	P	04/14/2025	19:07	LB135424
CCV07	Aluminum	9540	10000	95	90 - 110	P	04/14/2025	19:57	LB135424
	Antimony	4810	5000	96	90 - 110	P	04/14/2025	19:57	LB135424
	Arsenic	4740	5000	95	90 - 110	P	04/14/2025	19:57	LB135424
	Barium	9610	10000	96	90 - 110	P	04/14/2025	19:57	LB135424

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1774 **SAS No.:** Q1774

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
CCV07	Beryllium	240	250	96	90 - 110	P	04/14/2025	19:57	LB135424
	Cadmium	2430	2500	97	90 - 110	P	04/14/2025	19:57	LB135424
	Calcium	24000	25000	96	90 - 110	P	04/14/2025	19:57	LB135424
	Chromium	974	1000	97	90 - 110	P	04/14/2025	19:57	LB135424
	Cobalt	2440	2500	98	90 - 110	P	04/14/2025	19:57	LB135424
	Copper	1220	1250	98	90 - 110	P	04/14/2025	19:57	LB135424
	Iron	4830	5000	97	90 - 110	P	04/14/2025	19:57	LB135424
	Lead	4820	5000	96	90 - 110	P	04/14/2025	19:57	LB135424
	Magnesium	23700	25000	95	90 - 110	P	04/14/2025	19:57	LB135424
	Manganese	2380	2500	95	90 - 110	P	04/14/2025	19:57	LB135424
	Nickel	2420	2500	97	90 - 110	P	04/14/2025	19:57	LB135424
	Potassium	25300	25000	101	90 - 110	P	04/14/2025	19:57	LB135424
	Selenium	4770	5000	95	90 - 110	P	04/14/2025	19:57	LB135424
	Silver	1200	1250	96	90 - 110	P	04/14/2025	19:57	LB135424
	Sodium	25400	25000	102	90 - 110	P	04/14/2025	19:57	LB135424
	Thallium	4850	5000	97	90 - 110	P	04/14/2025	19:57	LB135424
	Vanadium	2400	2500	96	90 - 110	P	04/14/2025	19:57	LB135424
	Zinc	2400	2500	96	90 - 110	P	04/14/2025	19:57	LB135424
CCV08	Aluminum	9600	10000	96	90 - 110	P	04/14/2025	20:48	LB135424
	Antimony	4870	5000	97	90 - 110	P	04/14/2025	20:48	LB135424
	Arsenic	4810	5000	96	90 - 110	P	04/14/2025	20:48	LB135424
	Barium	9830	10000	98	90 - 110	P	04/14/2025	20:48	LB135424
	Beryllium	242	250	97	90 - 110	P	04/14/2025	20:48	LB135424
	Cadmium	2440	2500	98	90 - 110	P	04/14/2025	20:48	LB135424
	Calcium	24100	25000	96	90 - 110	P	04/14/2025	20:48	LB135424
	Chromium	955	1000	96	90 - 110	P	04/14/2025	20:48	LB135424
	Cobalt	2460	2500	98	90 - 110	P	04/14/2025	20:48	LB135424
	Copper	1230	1250	99	90 - 110	P	04/14/2025	20:48	LB135424
	Iron	4750	5000	95	90 - 110	P	04/14/2025	20:48	LB135424
	Lead	4850	5000	97	90 - 110	P	04/14/2025	20:48	LB135424
	Magnesium	23600	25000	94	90 - 110	P	04/14/2025	20:48	LB135424
	Manganese	2420	2500	97	90 - 110	P	04/14/2025	20:48	LB135424
	Nickel	2440	2500	98	90 - 110	P	04/14/2025	20:48	LB135424
	Potassium	23800	25000	95	90 - 110	P	04/14/2025	20:48	LB135424

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1774 **SAS No.:** Q1774

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
CCV08	Selenium	4860	5000	97	90 - 110	P	04/14/2025	20:48	LB135424
	Silver	1190	1250	96	90 - 110	P	04/14/2025	20:48	LB135424
	Sodium	24000	25000	96	90 - 110	P	04/14/2025	20:48	LB135424
	Thallium	4810	5000	96	90 - 110	P	04/14/2025	20:48	LB135424
	Vanadium	2420	2500	97	90 - 110	P	04/14/2025	20:48	LB135424
	Zinc	2390	2500	96	90 - 110	P	04/14/2025	20:48	LB135424
CCV09	Aluminum	9520	10000	95	90 - 110	P	04/14/2025	21:38	LB135424
	Antimony	4820	5000	96	90 - 110	P	04/14/2025	21:38	LB135424
	Arsenic	4770	5000	95	90 - 110	P	04/14/2025	21:38	LB135424
	Barium	9610	10000	96	90 - 110	P	04/14/2025	21:38	LB135424
	Beryllium	246	250	98	90 - 110	P	04/14/2025	21:38	LB135424
	Cadmium	2430	2500	97	90 - 110	P	04/14/2025	21:38	LB135424
	Calcium	23900	25000	96	90 - 110	P	04/14/2025	21:38	LB135424
	Chromium	973	1000	97	90 - 110	P	04/14/2025	21:38	LB135424
	Cobalt	2440	2500	98	90 - 110	P	04/14/2025	21:38	LB135424
	Copper	1220	1250	98	90 - 110	P	04/14/2025	21:38	LB135424
	Iron	4830	5000	97	90 - 110	P	04/14/2025	21:38	LB135424
	Lead	4840	5000	97	90 - 110	P	04/14/2025	21:38	LB135424
	Magnesium	23600	25000	94	90 - 110	P	04/14/2025	21:38	LB135424
	Manganese	2400	2500	96	90 - 110	P	04/14/2025	21:38	LB135424
	Nickel	2430	2500	97	90 - 110	P	04/14/2025	21:38	LB135424
	Potassium	25400	25000	102	90 - 110	P	04/14/2025	21:38	LB135424
	Selenium	4800	5000	96	90 - 110	P	04/14/2025	21:38	LB135424
	Silver	1220	1250	97	90 - 110	P	04/14/2025	21:38	LB135424
	Sodium	25700	25000	103	90 - 110	P	04/14/2025	21:38	LB135424
	Thallium	4830	5000	97	90 - 110	P	04/14/2025	21:38	LB135424
	Vanadium	2400	2500	96	90 - 110	P	04/14/2025	21:38	LB135424
	Zinc	2410	2500	96	90 - 110	P	04/14/2025	21:38	LB135424
CCV10	Aluminum	9550	10000	96	90 - 110	P	04/14/2025	22:28	LB135424
	Antimony	4880	5000	98	90 - 110	P	04/14/2025	22:28	LB135424
	Arsenic	4830	5000	97	90 - 110	P	04/14/2025	22:28	LB135424
	Barium	9670	10000	97	90 - 110	P	04/14/2025	22:28	LB135424
	Beryllium	243	250	97	90 - 110	P	04/14/2025	22:28	LB135424
	Cadmium	2450	2500	98	90 - 110	P	04/14/2025	22:28	LB135424

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1774 **SAS No.:** Q1774

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
CCV10	Calcium	23800	25000	95	90 - 110	P	04/14/2025	22:28	LB135424
	Chromium	977	1000	98	90 - 110	P	04/14/2025	22:28	LB135424
	Cobalt	2450	2500	98	90 - 110	P	04/14/2025	22:28	LB135424
	Copper	1230	1250	99	90 - 110	P	04/14/2025	22:28	LB135424
	Iron	4880	5000	98	90 - 110	P	04/14/2025	22:28	LB135424
	Lead	4870	5000	97	90 - 110	P	04/14/2025	22:28	LB135424
	Magnesium	23600	25000	95	90 - 110	P	04/14/2025	22:28	LB135424
	Manganese	2380	2500	95	90 - 110	P	04/14/2025	22:28	LB135424
	Nickel	2440	2500	98	90 - 110	P	04/14/2025	22:28	LB135424
	Potassium	24400	25000	98	90 - 110	P	04/14/2025	22:28	LB135424
	Selenium	4880	5000	98	90 - 110	P	04/14/2025	22:28	LB135424
	Silver	1220	1250	98	90 - 110	P	04/14/2025	22:28	LB135424
	Sodium	24000	25000	96	90 - 110	P	04/14/2025	22:28	LB135424
	Thallium	4900	5000	98	90 - 110	P	04/14/2025	22:28	LB135424
	Vanadium	2400	2500	96	90 - 110	P	04/14/2025	22:28	LB135424
	Zinc	2430	2500	97	90 - 110	P	04/14/2025	22:28	LB135424
CCV11	Aluminum	9490	10000	95	90 - 110	P	04/14/2025	22:40	LB135424
	Antimony	4850	5000	97	90 - 110	P	04/14/2025	22:40	LB135424
	Arsenic	4800	5000	96	90 - 110	P	04/14/2025	22:40	LB135424
	Barium	9830	10000	98	90 - 110	P	04/14/2025	22:40	LB135424
	Beryllium	241	250	96	90 - 110	P	04/14/2025	22:40	LB135424
	Cadmium	2450	2500	98	90 - 110	P	04/14/2025	22:40	LB135424
	Calcium	24100	25000	96	90 - 110	P	04/14/2025	22:40	LB135424
	Chromium	958	1000	96	90 - 110	P	04/14/2025	22:40	LB135424
	Cobalt	2460	2500	98	90 - 110	P	04/14/2025	22:40	LB135424
	Copper	1230	1250	99	90 - 110	P	04/14/2025	22:40	LB135424
	Iron	4930	5000	99	90 - 110	P	04/14/2025	22:40	LB135424
	Lead	4850	5000	97	90 - 110	P	04/14/2025	22:40	LB135424
	Magnesium	23500	25000	94	90 - 110	P	04/14/2025	22:40	LB135424
	Manganese	2420	2500	97	90 - 110	P	04/14/2025	22:40	LB135424
	Nickel	2440	2500	98	90 - 110	P	04/14/2025	22:40	LB135424
	Potassium	25200	25000	101	90 - 110	P	04/14/2025	22:40	LB135424
	Selenium	4850	5000	97	90 - 110	P	04/14/2025	22:40	LB135424
	Silver	1210	1250	97	90 - 110	P	04/14/2025	22:40	LB135424

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1774 **SAS No.:** Q1774

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
CCV11	Sodium	25700	25000	103	90 - 110	P	04/14/2025	22:40	LB135424
	Thallium	4870	5000	97	90 - 110	P	04/14/2025	22:40	LB135424
	Vanadium	2400	2500	96	90 - 110	P	04/14/2025	22:40	LB135424
	Zinc	2400	2500	96	90 - 110	P	04/14/2025	22:40	LB135424
CCV12	Aluminum	9430	10000	94	90 - 110	P	04/14/2025	23:06	LB135424
	Antimony	4830	5000	96	90 - 110	P	04/14/2025	23:06	LB135424
	Arsenic	4760	5000	95	90 - 110	P	04/14/2025	23:06	LB135424
	Barium	9900	10000	99	90 - 110	P	04/14/2025	23:06	LB135424
	Beryllium	229	250	92	90 - 110	P	04/14/2025	23:06	LB135424
	Cadmium	2430	2500	97	90 - 110	P	04/14/2025	23:06	LB135424
	Calcium	23900	25000	96	90 - 110	P	04/14/2025	23:06	LB135424
	Chromium	965	1000	96	90 - 110	P	04/14/2025	23:06	LB135424
	Cobalt	2440	2500	98	90 - 110	P	04/14/2025	23:06	LB135424
	Copper	1220	1250	98	90 - 110	P	04/14/2025	23:06	LB135424
	Iron	5060	5000	101	90 - 110	P	04/14/2025	23:06	LB135424
	Lead	4830	5000	97	90 - 110	P	04/14/2025	23:06	LB135424
	Magnesium	23200	25000	93	90 - 110	P	04/14/2025	23:06	LB135424
	Manganese	2380	2500	95	90 - 110	P	04/14/2025	23:06	LB135424
	Nickel	2420	2500	97	90 - 110	P	04/14/2025	23:06	LB135424
	Potassium	27200	25000	109	90 - 110	P	04/14/2025	23:06	LB135424
	Selenium	4800	5000	96	90 - 110	P	04/14/2025	23:06	LB135424
	Silver	1200	1250	96	90 - 110	P	04/14/2025	23:06	LB135424
	Sodium	27500	25000	110	90 - 110	P	04/14/2025	23:06	LB135424
	Thallium	4850	5000	97	90 - 110	P	04/14/2025	23:06	LB135424
	Vanadium	2380	2500	95	90 - 110	P	04/14/2025	23:06	LB135424
	Zinc	2410	2500	96	90 - 110	P	04/14/2025	23:06	LB135424

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CRDL STANDARD FOR AA & ICP

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1774 **SAS No.:** Q1774

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
CRA	Mercury	0.21	0.2	104	40 - 160	CV	04/11/2025	10:12	LB135388
CRI01	Aluminum	91.7	100	92	40 - 160	P	04/14/2025	14:09	LB135424
	Antimony	51.7	50.0	103	40 - 160	P	04/14/2025	14:09	LB135424
	Arsenic	22.3	20.0	112	40 - 160	P	04/14/2025	14:09	LB135424
	Barium	95.6	100	96	40 - 160	P	04/14/2025	14:09	LB135424
	Beryllium	5.76	6.0	96	40 - 160	P	04/14/2025	14:09	LB135424
	Cadmium	6.08	6.0	101	40 - 160	P	04/14/2025	14:09	LB135424
	Calcium	1970	2000	98	40 - 160	P	04/14/2025	14:09	LB135424
	Chromium	9.67	10.0	97	40 - 160	P	04/14/2025	14:09	LB135424
	Cobalt	29.3	30.0	98	40 - 160	P	04/14/2025	14:09	LB135424
	Copper	22.7	20.0	113	40 - 160	P	04/14/2025	14:09	LB135424
	Iron	102	100	102	40 - 160	P	04/14/2025	14:09	LB135424
	Lead	12.2	12.0	102	40 - 160	P	04/14/2025	14:09	LB135424
	Magnesium	2060	2000	103	40 - 160	P	04/14/2025	14:09	LB135424
	Manganese	20.4	20.0	102	40 - 160	P	04/14/2025	14:09	LB135424
	Nickel	39.4	40.0	98	40 - 160	P	04/14/2025	14:09	LB135424
	Potassium	1930	2000	97	40 - 160	P	04/14/2025	14:09	LB135424
	Selenium	19.6	20.0	98	40 - 160	P	04/14/2025	14:09	LB135424
	Silver	9.88	10.0	99	40 - 160	P	04/14/2025	14:09	LB135424
	Sodium	1840	2000	92	40 - 160	P	04/14/2025	14:09	LB135424
	Thallium	41.8	40.0	104	40 - 160	P	04/14/2025	14:09	LB135424
	Vanadium	40.7	40.0	102	40 - 160	P	04/14/2025	14:09	LB135424
	Zinc	41.0	40.0	102	40 - 160	P	04/14/2025	14:09	LB135424

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1774 **SAS No.:** Q1774

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB84	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	04/11/2025	10:05	LB135388

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1774 **SAS No.:** Q1774

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB59	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	04/11/2025	10:09	LB135388
CCB60	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	04/11/2025	10:39	LB135388
CCB61	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	04/11/2025	11:16	LB135388
CCB62	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	04/11/2025	11:43	LB135388

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1774 **SAS No.:** Q1774

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	80.0	100	P	04/14/2025	14:05	LB135424
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	04/14/2025	14:05	LB135424
	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	14:05	LB135424
	Barium	100	+/-100	U	25.0	100	P	04/14/2025	14:05	LB135424
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	04/14/2025	14:05	LB135424
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	04/14/2025	14:05	LB135424
	Calcium	2000	+/-2000	U	500	2000	P	04/14/2025	14:05	LB135424
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	04/14/2025	14:05	LB135424
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	04/14/2025	14:05	LB135424
	Copper	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	14:05	LB135424
	Iron	100	+/-100	U	80.0	100	P	04/14/2025	14:05	LB135424
	Lead	12.0	+/-12.0	U	9.60	12.0	P	04/14/2025	14:05	LB135424
	Magnesium	2000	+/-2000	U	500	2000	P	04/14/2025	14:05	LB135424
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	04/14/2025	14:05	LB135424
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	04/14/2025	14:05	LB135424
	Potassium	2000	+/-2000	U	1600	2000	P	04/14/2025	14:05	LB135424
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	14:05	LB135424
	Silver	10.0	+/-10.0	U	5.00	10.0	P	04/14/2025	14:05	LB135424
	Sodium	2000	+/-2000	U	1000	2000	P	04/14/2025	14:05	LB135424
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	04/14/2025	14:05	LB135424
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	04/14/2025	14:05	LB135424
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	04/14/2025	14:05	LB135424

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1774 **SAS No.:** Q1774

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	80.0	100	P	04/14/2025	14:35	LB135424
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	04/14/2025	14:35	LB135424
	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	14:35	LB135424
	Barium	100	+/-100	U	25.0	100	P	04/14/2025	14:35	LB135424
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	04/14/2025	14:35	LB135424
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	04/14/2025	14:35	LB135424
	Calcium	2000	+/-2000	U	500	2000	P	04/14/2025	14:35	LB135424
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	04/14/2025	14:35	LB135424
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	04/14/2025	14:35	LB135424
	Copper	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	14:35	LB135424
	Iron	100	+/-100	U	80.0	100	P	04/14/2025	14:35	LB135424
	Lead	12.0	+/-12.0	U	9.60	12.0	P	04/14/2025	14:35	LB135424
	Magnesium	2000	+/-2000	U	500	2000	P	04/14/2025	14:35	LB135424
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	04/14/2025	14:35	LB135424
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	04/14/2025	14:35	LB135424
	Potassium	2000	+/-2000	U	1600	2000	P	04/14/2025	14:35	LB135424
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	14:35	LB135424
	Silver	10.0	+/-10.0	U	5.00	10.0	P	04/14/2025	14:35	LB135424
	Sodium	2000	+/-2000	U	1000	2000	P	04/14/2025	14:35	LB135424
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	04/14/2025	14:35	LB135424
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	04/14/2025	14:35	LB135424
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	04/14/2025	14:35	LB135424
CCB02	Aluminum	100	+/-100	U	80.0	100	P	04/14/2025	15:26	LB135424
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	04/14/2025	15:26	LB135424
	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	15:26	LB135424
	Barium	100	+/-100	U	25.0	100	P	04/14/2025	15:26	LB135424
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	04/14/2025	15:26	LB135424
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	04/14/2025	15:26	LB135424
	Calcium	2000	+/-2000	U	500	2000	P	04/14/2025	15:26	LB135424
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	04/14/2025	15:26	LB135424
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	04/14/2025	15:26	LB135424
	Copper	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	15:26	LB135424
	Iron	100	+/-100	U	80.0	100	P	04/14/2025	15:26	LB135424
	Lead	12.0	+/-12.0	U	9.60	12.0	P	04/14/2025	15:26	LB135424
	Magnesium	2000	+/-2000	U	500	2000	P	04/14/2025	15:26	LB135424
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	04/14/2025	15:26	LB135424
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	04/14/2025	15:26	LB135424
	Potassium	2000	+/-2000	U	1600	2000	P	04/14/2025	15:26	LB135424
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	15:26	LB135424

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1774 **SAS No.:** Q1774

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	5.00	10.0	P	04/14/2025	15:26	LB135424
	Sodium	2000	+/-2000	U	1000	2000	P	04/14/2025	15:26	LB135424
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	04/14/2025	15:26	LB135424
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	04/14/2025	15:26	LB135424
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	04/14/2025	15:26	LB135424
CCB03	Aluminum	100	+/-100	U	80.0	100	P	04/14/2025	16:32	LB135424
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	04/14/2025	16:32	LB135424
	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	16:32	LB135424
	Barium	100	+/-100	U	25.0	100	P	04/14/2025	16:32	LB135424
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	04/14/2025	16:32	LB135424
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	04/14/2025	16:32	LB135424
	Calcium	2000	+/-2000	U	500	2000	P	04/14/2025	16:32	LB135424
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	04/14/2025	16:32	LB135424
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	04/14/2025	16:32	LB135424
	Copper	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	16:32	LB135424
	Iron	100	+/-100	U	80.0	100	P	04/14/2025	16:32	LB135424
	Lead	12.0	+/-12.0	U	9.60	12.0	P	04/14/2025	16:32	LB135424
	Magnesium	2000	+/-2000	U	500	2000	P	04/14/2025	16:32	LB135424
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	04/14/2025	16:32	LB135424
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	04/14/2025	16:32	LB135424
	Potassium	2000	+/-2000	U	1600	2000	P	04/14/2025	16:32	LB135424
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	16:32	LB135424
	Silver	10.0	+/-10.0	U	5.00	10.0	P	04/14/2025	16:32	LB135424
	Sodium	2000	+/-2000	U	1000	2000	P	04/14/2025	16:32	LB135424
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	04/14/2025	16:32	LB135424
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	04/14/2025	16:32	LB135424
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	04/14/2025	16:32	LB135424
CCB04	Aluminum	100	+/-100	U	80.0	100	P	04/14/2025	17:22	LB135424
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	04/14/2025	17:22	LB135424
	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	17:22	LB135424
	Barium	100	+/-100	U	25.0	100	P	04/14/2025	17:22	LB135424
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	04/14/2025	17:22	LB135424
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	04/14/2025	17:22	LB135424
	Calcium	2000	+/-2000	U	500	2000	P	04/14/2025	17:22	LB135424
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	04/14/2025	17:22	LB135424
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	04/14/2025	17:22	LB135424
	Copper	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	17:22	LB135424
	Iron	100	+/-100	U	80.0	100	P	04/14/2025	17:22	LB135424
	Lead	12.0	+/-12.0	U	9.60	12.0	P	04/14/2025	17:22	LB135424

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1774 **SAS No.:** Q1774

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	500	2000	P	04/14/2025	17:22	LB135424
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	04/14/2025	17:22	LB135424
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	04/14/2025	17:22	LB135424
	Potassium	2000	+/-2000	U	1600	2000	P	04/14/2025	17:22	LB135424
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	17:22	LB135424
	Silver	10.0	+/-10.0	U	5.00	10.0	P	04/14/2025	17:22	LB135424
	Sodium	2000	+/-2000	U	1000	2000	P	04/14/2025	17:22	LB135424
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	04/14/2025	17:22	LB135424
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	04/14/2025	17:22	LB135424
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	04/14/2025	17:22	LB135424
CCB05	Aluminum	100	+/-100	U	80.0	100	P	04/14/2025	18:20	LB135424
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	04/14/2025	18:20	LB135424
	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	18:20	LB135424
	Barium	100	+/-100	U	25.0	100	P	04/14/2025	18:20	LB135424
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	04/14/2025	18:20	LB135424
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	04/14/2025	18:20	LB135424
	Calcium	2000	+/-2000	U	500	2000	P	04/14/2025	18:20	LB135424
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	04/14/2025	18:20	LB135424
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	04/14/2025	18:20	LB135424
	Copper	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	18:20	LB135424
	Iron	100	+/-100	U	80.0	100	P	04/14/2025	18:20	LB135424
	Lead	12.0	+/-12.0	U	9.60	12.0	P	04/14/2025	18:20	LB135424
	Magnesium	2000	+/-2000	U	500	2000	P	04/14/2025	18:20	LB135424
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	04/14/2025	18:20	LB135424
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	04/14/2025	18:20	LB135424
	Potassium	2000	+/-2000	U	1600	2000	P	04/14/2025	18:20	LB135424
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	18:20	LB135424
	Silver	10.0	+/-10.0	U	5.00	10.0	P	04/14/2025	18:20	LB135424
	Sodium	2000	+/-2000	U	1000	2000	P	04/14/2025	18:20	LB135424
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	04/14/2025	18:20	LB135424
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	04/14/2025	18:20	LB135424
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	04/14/2025	18:20	LB135424
CCB06	Aluminum	100	+/-100	U	80.0	100	P	04/14/2025	19:11	LB135424
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	04/14/2025	19:11	LB135424
	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	19:11	LB135424
	Barium	100	+/-100	U	25.0	100	P	04/14/2025	19:11	LB135424
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	04/14/2025	19:11	LB135424
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	04/14/2025	19:11	LB135424
	Calcium	2000	+/-2000	U	500	2000	P	04/14/2025	19:11	LB135424

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1774 **SAS No.:** Q1774

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	10.0	+/-10.0	U	5.00	10.0	P	04/14/2025	19:11	LB135424
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	04/14/2025	19:11	LB135424
	Copper	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	19:11	LB135424
	Iron	100	+/-100	U	80.0	100	P	04/14/2025	19:11	LB135424
	Lead	12.0	+/-12.0	U	9.60	12.0	P	04/14/2025	19:11	LB135424
	Magnesium	2000	+/-2000	U	500	2000	P	04/14/2025	19:11	LB135424
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	04/14/2025	19:11	LB135424
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	04/14/2025	19:11	LB135424
	Potassium	2000	+/-2000	U	1600	2000	P	04/14/2025	19:11	LB135424
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	19:11	LB135424
	Silver	10.0	+/-10.0	U	5.00	10.0	P	04/14/2025	19:11	LB135424
	Sodium	2000	+/-2000	U	1000	2000	P	04/14/2025	19:11	LB135424
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	04/14/2025	19:11	LB135424
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	04/14/2025	19:11	LB135424
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	04/14/2025	19:11	LB135424
CCB07	Aluminum	100	+/-100	U	80.0	100	P	04/14/2025	20:01	LB135424
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	04/14/2025	20:01	LB135424
	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	20:01	LB135424
	Barium	100	+/-100	U	25.0	100	P	04/14/2025	20:01	LB135424
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	04/14/2025	20:01	LB135424
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	04/14/2025	20:01	LB135424
	Calcium	2000	+/-2000	U	500	2000	P	04/14/2025	20:01	LB135424
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	04/14/2025	20:01	LB135424
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	04/14/2025	20:01	LB135424
	Copper	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	20:01	LB135424
	Iron	100	+/-100	U	80.0	100	P	04/14/2025	20:01	LB135424
	Lead	12.0	+/-12.0	U	9.60	12.0	P	04/14/2025	20:01	LB135424
	Magnesium	2000	+/-2000	U	500	2000	P	04/14/2025	20:01	LB135424
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	04/14/2025	20:01	LB135424
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	04/14/2025	20:01	LB135424
	Potassium	2000	+/-2000	U	1600	2000	P	04/14/2025	20:01	LB135424
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	20:01	LB135424
	Silver	10.0	+/-10.0	U	5.00	10.0	P	04/14/2025	20:01	LB135424
	Sodium	2000	+/-2000	U	1000	2000	P	04/14/2025	20:01	LB135424
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	04/14/2025	20:01	LB135424
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	04/14/2025	20:01	LB135424
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	04/14/2025	20:01	LB135424
CCB08	Aluminum	100	+/-100	U	80.0	100	P	04/14/2025	20:52	LB135424
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	04/14/2025	20:52	LB135424

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1774 **SAS No.:** Q1774

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	20:52	LB135424
	Barium	100	+/-100	U	25.0	100	P	04/14/2025	20:52	LB135424
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	04/14/2025	20:52	LB135424
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	04/14/2025	20:52	LB135424
	Calcium	2000	+/-2000	U	500	2000	P	04/14/2025	20:52	LB135424
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	04/14/2025	20:52	LB135424
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	04/14/2025	20:52	LB135424
	Copper	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	20:52	LB135424
	Iron	100	+/-100	U	80.0	100	P	04/14/2025	20:52	LB135424
	Lead	12.0	+/-12.0	U	9.60	12.0	P	04/14/2025	20:52	LB135424
	Magnesium	2000	+/-2000	U	500	2000	P	04/14/2025	20:52	LB135424
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	04/14/2025	20:52	LB135424
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	04/14/2025	20:52	LB135424
	Potassium	2000	+/-2000	U	1600	2000	P	04/14/2025	20:52	LB135424
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	20:52	LB135424
	Silver	10.0	+/-10.0	U	5.00	10.0	P	04/14/2025	20:52	LB135424
	Sodium	2000	+/-2000	U	1000	2000	P	04/14/2025	20:52	LB135424
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	04/14/2025	20:52	LB135424
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	04/14/2025	20:52	LB135424
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	04/14/2025	20:52	LB135424
CCB09	Aluminum	100	+/-100	U	80.0	100	P	04/14/2025	21:42	LB135424
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	04/14/2025	21:42	LB135424
	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	21:42	LB135424
	Barium	100	+/-100	U	25.0	100	P	04/14/2025	21:42	LB135424
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	04/14/2025	21:42	LB135424
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	04/14/2025	21:42	LB135424
	Calcium	2000	+/-2000	U	500	2000	P	04/14/2025	21:42	LB135424
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	04/14/2025	21:42	LB135424
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	04/14/2025	21:42	LB135424
	Copper	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	21:42	LB135424
	Iron	100	+/-100	U	80.0	100	P	04/14/2025	21:42	LB135424
	Lead	12.0	+/-12.0	U	9.60	12.0	P	04/14/2025	21:42	LB135424
	Magnesium	2000	+/-2000	U	500	2000	P	04/14/2025	21:42	LB135424
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	04/14/2025	21:42	LB135424
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	04/14/2025	21:42	LB135424
	Potassium	2000	+/-2000	U	1600	2000	P	04/14/2025	21:42	LB135424
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	21:42	LB135424
	Silver	10.0	+/-10.0	U	5.00	10.0	P	04/14/2025	21:42	LB135424
	Sodium	2000	+/-2000	U	1000	2000	P	04/14/2025	21:42	LB135424

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1774 **SAS No.:** Q1774

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB09	Thallium	40.0	+/-40.0	U	20.0	40.0	P	04/14/2025	21:42	LB135424
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	04/14/2025	21:42	LB135424
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	04/14/2025	21:42	LB135424
CCB10	Aluminum	100	+/-100	U	80.0	100	P	04/14/2025	22:32	LB135424
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	04/14/2025	22:32	LB135424
	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	22:32	LB135424
	Barium	100	+/-100	U	25.0	100	P	04/14/2025	22:32	LB135424
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	04/14/2025	22:32	LB135424
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	04/14/2025	22:32	LB135424
	Calcium	2000	+/-2000	U	500	2000	P	04/14/2025	22:32	LB135424
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	04/14/2025	22:32	LB135424
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	04/14/2025	22:32	LB135424
	Copper	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	22:32	LB135424
	Iron	100	+/-100	U	80.0	100	P	04/14/2025	22:32	LB135424
	Lead	12.0	+/-12.0	U	9.60	12.0	P	04/14/2025	22:32	LB135424
	Magnesium	2000	+/-2000	U	500	2000	P	04/14/2025	22:32	LB135424
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	04/14/2025	22:32	LB135424
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	04/14/2025	22:32	LB135424
	Potassium	2000	+/-2000	U	1600	2000	P	04/14/2025	22:32	LB135424
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	22:32	LB135424
	Silver	10.0	+/-10.0	U	5.00	10.0	P	04/14/2025	22:32	LB135424
	Sodium	2000	+/-2000	U	1000	2000	P	04/14/2025	22:32	LB135424
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	04/14/2025	22:32	LB135424
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	04/14/2025	22:32	LB135424
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	04/14/2025	22:32	LB135424
CCB11	Aluminum	100	+/-100	U	80.0	100	P	04/14/2025	22:44	LB135424
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	04/14/2025	22:44	LB135424
	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	22:44	LB135424
	Barium	100	+/-100	U	25.0	100	P	04/14/2025	22:44	LB135424
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	04/14/2025	22:44	LB135424
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	04/14/2025	22:44	LB135424
	Calcium	2000	+/-2000	U	500	2000	P	04/14/2025	22:44	LB135424
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	04/14/2025	22:44	LB135424
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	04/14/2025	22:44	LB135424
	Copper	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	22:44	LB135424
	Iron	100	+/-100	U	80.0	100	P	04/14/2025	22:44	LB135424
	Lead	12.0	+/-12.0	U	9.60	12.0	P	04/14/2025	22:44	LB135424
	Magnesium	2000	+/-2000	U	500	2000	P	04/14/2025	22:44	LB135424
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	04/14/2025	22:44	LB135424

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1774 **SAS No.:** Q1774

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB11	Nickel	40.0	+/-40.0	U	10.0	40.0	P	04/14/2025	22:44	LB135424
	Potassium	2000	+/-2000	U	1600	2000	P	04/14/2025	22:44	LB135424
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	22:44	LB135424
	Silver	10.0	+/-10.0	U	5.00	10.0	P	04/14/2025	22:44	LB135424
	Sodium	2000	+/-2000	U	1000	2000	P	04/14/2025	22:44	LB135424
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	04/14/2025	22:44	LB135424
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	04/14/2025	22:44	LB135424
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	04/14/2025	22:44	LB135424
CCB12	Aluminum	100	+/-100	U	80.0	100	P	04/14/2025	23:11	LB135424
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	04/14/2025	23:11	LB135424
	Arsenic	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	23:11	LB135424
	Barium	100	+/-100	U	25.0	100	P	04/14/2025	23:11	LB135424
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	04/14/2025	23:11	LB135424
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	04/14/2025	23:11	LB135424
	Calcium	2000	+/-2000	U	500	2000	P	04/14/2025	23:11	LB135424
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	04/14/2025	23:11	LB135424
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	04/14/2025	23:11	LB135424
	Copper	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	23:11	LB135424
	Iron	100	+/-100	U	80.0	100	P	04/14/2025	23:11	LB135424
	Lead	12.0	+/-12.0	U	9.60	12.0	P	04/14/2025	23:11	LB135424
	Magnesium	2000	+/-2000	U	500	2000	P	04/14/2025	23:11	LB135424
	Manganese	20.0	+/-20.0	U	5.00	20.0	P	04/14/2025	23:11	LB135424
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	04/14/2025	23:11	LB135424
	Potassium	2000	+/-2000	U	1600	2000	P	04/14/2025	23:11	LB135424
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	04/14/2025	23:11	LB135424
	Silver	10.0	+/-10.0	U	5.00	10.0	P	04/14/2025	23:11	LB135424
	Sodium	2000	+/-2000	U	1000	2000	P	04/14/2025	23:11	LB135424
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	04/14/2025	23:11	LB135424
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	04/14/2025	23:11	LB135424
	Zinc	40.0	+/-40.0	U	10.0	40.0	P	04/14/2025	23:11	LB135424

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PREPARATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB167569BL		**WATER**		**Batch Number:**		**PB167569**		**Prep Date:**	**04/10/2025**	
	Mercury	0.20	<0.20	U	0.16	0.20	CV	04/11/2025	10:35	LB135388

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PREPARATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB167567BL		**WATER**		**Batch Number:**		**PB167567**		**Prep Date:**	**04/11/2025**	
	Aluminum	50.0	<50.0	U	40.0	50.0	P	04/14/2025	17:52	LB135424
	Antimony	25.0	<25.0	U	6.25	25.0	P	04/14/2025	17:52	LB135424
	Arsenic	10.0	<10.0	U	8.00	10.0	P	04/14/2025	17:52	LB135424
	Barium	50.0	<50.0	U	12.5	50.0	P	04/14/2025	17:52	LB135424
	Beryllium	3.00	<3.00	U	0.75	3.00	P	04/14/2025	17:52	LB135424
	Cadmium	3.00	<3.00	U	0.75	3.00	P	04/14/2025	17:52	LB135424
	Calcium	1000	<1000	U	250	1000	P	04/14/2025	17:52	LB135424
	Chromium	5.00	<5.00	U	2.50	5.00	P	04/14/2025	17:52	LB135424
	Cobalt	15.0	<15.0	U	3.75	15.0	P	04/14/2025	17:52	LB135424
	Copper	10.0	<10.0	U	8.00	10.0	P	04/14/2025	17:52	LB135424
	Iron	50.0	<50.0	U	40.0	50.0	P	04/14/2025	17:52	LB135424
	Lead	6.00	<6.00	U	4.80	6.00	P	04/14/2025	17:52	LB135424
	Magnesium	1000	<1000	U	250	1000	P	04/14/2025	17:52	LB135424
	Manganese	10.0	<10.0	U	2.50	10.0	P	04/14/2025	17:52	LB135424
	Nickel	20.0	<20.0	U	5.00	20.0	P	04/14/2025	17:52	LB135424
	Potassium	1000	<1000	U	800	1000	P	04/14/2025	17:52	LB135424
	Selenium	10.0	<10.0	U	8.00	10.0	P	04/14/2025	17:52	LB135424
	Silver	5.00	<5.00	U	2.50	5.00	P	04/14/2025	17:52	LB135424
	Sodium	1000	<1000	U	500	1000	P	04/14/2025	17:52	LB135424
	Thallium	20.0	<20.0	U	10.0	20.0	P	04/14/2025	17:52	LB135424
	Vanadium	20.0	<20.0	U	10.0	20.0	P	04/14/2025	17:52	LB135424
	Zinc	20.0	<20.0	U	5.00	20.0	P	04/14/2025	17:52	LB135424

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INTERFERENCE CHECK SAMPLE

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1774 **SAS No.:** Q1774

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	Aluminum	236000	255000	92	216000	294000	04/14/2025	14:14	LB135424
	Antimony	1.38			-50	50	04/14/2025	14:14	LB135424
	Arsenic	10.8			-20	20	04/14/2025	14:14	LB135424
	Barium	4.69	6.0	78	-94	106	04/14/2025	14:14	LB135424
	Beryllium	1.32			-6	6	04/14/2025	14:14	LB135424
	Cadmium	-1.94	1.0	194	-5	7	04/14/2025	14:14	LB135424
	Calcium	226000	245000	92	208000	282000	04/14/2025	14:14	LB135424
	Chromium	55.2	52.0	106	42	62	04/14/2025	14:14	LB135424
	Cobalt	1.77			-30	30	04/14/2025	14:14	LB135424
	Copper	9.26	2.0	463	-18	22	04/14/2025	14:14	LB135424
	Iron	99000	101000	98	85600	116500	04/14/2025	14:14	LB135424
	Lead	5.03			-12	12	04/14/2025	14:14	LB135424
	Magnesium	242000	255000	95	216000	294000	04/14/2025	14:14	LB135424
	Manganese	-0.13	7.0	2	-13	27	04/14/2025	14:14	LB135424
	Nickel	1.20	2.0	60	-38	42	04/14/2025	14:14	LB135424
	Potassium	11.8			0	0	04/14/2025	14:14	LB135424
	Selenium	-0.72			-20	20	04/14/2025	14:14	LB135424
	Silver	-3.74			-10	10	04/14/2025	14:14	LB135424
	Sodium	81.4			0	0	04/14/2025	14:14	LB135424
	Thallium	5.49			-40	40	04/14/2025	14:14	LB135424
	Vanadium	3.78			-40	40	04/14/2025	14:14	LB135424
	Zinc	4.10			-40	40	04/14/2025	14:14	LB135424
ICSAB01	Aluminum	236000	247000	96	209000	285000	04/14/2025	14:18	LB135424
	Antimony	646	618	104	525	711	04/14/2025	14:18	LB135424
	Arsenic	114	104	110	88.4	120	04/14/2025	14:18	LB135424
	Barium	479	537	89	437	637	04/14/2025	14:18	LB135424
	Beryllium	493	495	100	420	570	04/14/2025	14:18	LB135424
	Cadmium	1040	972	107	826	1120	04/14/2025	14:18	LB135424
	Calcium	226000	235000	96	199000	271000	04/14/2025	14:18	LB135424
	Chromium	553	542	102	460	624	04/14/2025	14:18	LB135424
	Cobalt	507	476	106	404	548	04/14/2025	14:18	LB135424
	Copper	506	511	99	434	588	04/14/2025	14:18	LB135424
	Iron	95200	99300	96	84400	114500	04/14/2025	14:18	LB135424
	Lead	53.8	49.0	110	37	61	04/14/2025	14:18	LB135424
	Magnesium	243000	248000	98	210000	286000	04/14/2025	14:18	LB135424
	Manganese	471	507	93	430	584	04/14/2025	14:18	LB135424
	Nickel	1000	954	105	810	1100	04/14/2025	14:18	LB135424
	Potassium	-12.3			0	0	04/14/2025	14:18	LB135424
	Selenium	47.1	46.0	102	26	66	04/14/2025	14:18	LB135424
	Silver	179	201	89	170	232	04/14/2025	14:18	LB135424
	Sodium	66.6			0	0	04/14/2025	14:18	LB135424
	Thallium	103	108	95	68	148	04/14/2025	14:18	LB135424

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Metals
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INTERFERENCE CHECK SAMPLE

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1774 **SAS No.:** Q1774

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
ICSAB01	Vanadium	473	491	96	417	565	04/14/2025	14:18	LB135424
	Zinc	1040	952	109	809	1095	04/14/2025	14:18	LB135424

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: Tetra Tech NUS, Inc. **level:** low **sdg no.:** Q1774

contract: TETR06 **lab code:** CHEM **case no.:** Q1774 **sas no.:** Q1774

matrix: Water **sample id:** Q1746-05 **client id:** B-158-GW01MS

Percent Solids for Sample: NA **Spiked ID:** Q1746-05MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	82 - 119	2.22		0.20	J	4.0	51	N	CV

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Tetra Tech NUS, Inc. **level:** low **sdg no.:** Q1774

contract: TETR06 **lab code:** CHEM **case no.:** Q1774 **sas no.:** Q1774

matrix: Water **sample id:** Q1746-05 **client id:** B-158-GW01MSD

Percent Solids for Sample: NA **Spiked ID:** Q1746-05MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	82 - 119	2.16		0.20	J	4.0	49	N	CV

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metals
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MATRIX SPIKE SUMMARY

client: Tetra Tech NUS, Inc. **level:** low **sdg no.:** Q1774

contract: TETR06 **lab code:** CHEM **case no.:** Q1774 **sas no.:** Q1774

matrix: Water **sample id:** Q1774-02 **client id:** TT-073-IDWGW-20250409MS

Percent Solids for Sample: NA **Spiked ID:** Q1774-02MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	86 - 115	9510		10000		1000	-49		P
Antimony	ug/L	88 - 113	380		25.0	U	400	95		P
Arsenic	ug/L	87 - 113	378		9.21	J	400	92		P
Barium	ug/L	88 - 113	137		94.7		100	42	N	P
Beryllium	ug/L	89 - 112	94.1		1.44	J	100	93		P
Cadmium	ug/L	88 - 113	97.2		3.00	U	100	97		P
Calcium	ug/L	87 - 113	5740		11100		500	-1080		P
Chromium	ug/L	90 - 113	205		37.4		200	84	N	P
Cobalt	ug/L	89 - 114	98.5		8.71	J	100	90		P
Copper	ug/L	86 - 114	158		42.7		150	77	N	P
Iron	ug/L	87 - 115	6130		9850		1500	-248		P
Lead	ug/L	86 - 113	479		22.2		500	91		P
Magnesium	ug/L	85 - 113	2820		3630		1000	-81	N	P
Manganese	ug/L	90 - 114	207		237		100	-30	N	P
Nickel	ug/L	88 - 113	244		18.1	J	250	90		P
Potassium	ug/L	86 - 114	38100		78500		5000	-807		P
Selenium	ug/L	83 - 114	900		10.0	U	1000	90		P
Silver	ug/L	84 - 115	33.7		5.00	U	37.5	90		P
Sodium	ug/L	87 - 115	27200		61400		1500	-2285		P
Thallium	ug/L	85 - 114	935		20.0	U	1000	94		P
Vanadium	ug/L	90 - 111	148		22.5		150	84	N	P
Zinc	ug/L	87 - 115	122		45.6		100	77	N	P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Tetra Tech NUS, Inc. **level:** low **sdg no.:** Q1774

contract: TETR06 **lab code:** CHEM **case no.:** Q1774 **sas no.:** Q1774

matrix: Water **sample id:** Q1774-02 **client id:** TT-073-IDWGW-20250409MSD

Percent Solids for Sample: NA **Spiked ID:** Q1774-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	86 - 115	9360		10000		1000	-64		P
Antimony	ug/L	88 - 113	377		25.0	U	400	94		P
Arsenic	ug/L	87 - 113	375		9.21	J	400	91		P
Barium	ug/L	88 - 113	140		94.7		100	45	N	P
Beryllium	ug/L	89 - 112	95.1		1.44	J	100	94		P
Cadmium	ug/L	88 - 113	96.1		3.00	U	100	96		P
Calcium	ug/L	87 - 113	6340		11100		500	-960		P
Chromium	ug/L	90 - 113	204		37.4		200	83	N	P
Cobalt	ug/L	89 - 114	98.1		8.71	J	100	89		P
Copper	ug/L	86 - 114	158		42.7		150	77	N	P
Iron	ug/L	87 - 115	6480		9850		1500	-225		P
Lead	ug/L	86 - 113	473		22.2		500	90		P
Magnesium	ug/L	85 - 113	3000		3630		1000	-62	N	P
Manganese	ug/L	90 - 114	220		237		100	-17	N	P
Nickel	ug/L	88 - 113	241		18.1	J	250	89		P
Potassium	ug/L	86 - 114	41400		78500		5000	-742		P
Selenium	ug/L	83 - 114	891		10.0	U	1000	89		P
Silver	ug/L	84 - 115	33.6		5.00	U	37.5	90		P
Sodium	ug/L	87 - 115	29800		61400		1500	-2109		P
Thallium	ug/L	85 - 114	928		20.0	U	1000	93		P
Vanadium	ug/L	90 - 111	147		22.5		150	83	N	P
Zinc	ug/L	87 - 115	120		45.6		100	74	N	P

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Metals
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POST DIGEST SPIKE SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1774 **SAS No.:** Q1774

Matrix: Water **Level:** LOW **Client ID:** B-158-GW01A

Sample ID: Q1746-05 **Spiked ID:** Q1746-05A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	82 - 119	3.23		0.20	J	4.00	76		CV

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Metals
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POST DIGEST SPIKE SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1774 **SAS No.:** Q1774

Matrix: Water **Level:** LOW **Client ID:** TT-073-IDWGW-20250409A

Sample ID: Q1774-02 **Spiked ID:** Q1774-02A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Barium	ug/L	88 - 113	163		94.7		100	69		P
Chromium	ug/L	90 - 113	208		37.4		200	85		P
Copper	ug/L	86 - 114	168		42.7		150	84		P
Magnesium	ug/L	85 - 113	3860		3630		1000	24		P
Manganese	ug/L	90 - 114	306		237		100	69		P
Vanadium	ug/L	90 - 111	149		22.5		150	85		P
Zinc	ug/L	87 - 115	128		45.6		100	83		P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc. **Level:** LOW **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1774 **SAS No.:** Q1774

Matrix: Water **Sample ID:** Q1746-05 **Client ID:** B-158-GW01DUP

Percent Solids for Sample: NA **Duplicate ID** Q1746-05DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	0.20	J	0.20	J	0		CV

"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: Tetra Tech NUS, Inc. **Level:** LOW **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1774 **SAS No.:** Q1774

Matrix: Water **Sample ID:** Q1746-05MS **Client ID:** B-158-GW01MSD

Percent Solids for Sample: NA **Duplicate ID** Q1746-05MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	2.22		2.16		3		CV

"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: Tetra Tech NUS, Inc. **Level:** LOW **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1774 **SAS No.:** Q1774

Matrix: Water **Sample ID:** Q1774-02 **Client ID:** TT-073-IDWGW-20250409DUP

Percent Solids for Sample: NA **Duplicate ID** Q1774-02DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	10000		11700		16		P
Antimony	ug/L	20	25.0	U	25.0	U			P
Arsenic	ug/L	20	9.21	J	8.39	J	9		P
Barium	ug/L	20	94.7		94.5		0		P
Beryllium	ug/L	20	1.44	J	1.48	J	3		P
Cadmium	ug/L	20	3.00	U	3.00	U			P
Calcium	ug/L	20	11100		10600		5		P
Chromium	ug/L	20	37.4		35.7		5		P
Cobalt	ug/L	20	8.71	J	8.49	J	3		P
Copper	ug/L	20	42.7		40.2		6		P
Iron	ug/L	20	9850		9770		1		P
Lead	ug/L	20	22.2		21.8		2		P
Magnesium	ug/L	20	3630		3740		3		P
Manganese	ug/L	20	237		233		2		P
Nickel	ug/L	20	18.1	J	16.4	J	10		P
Potassium	ug/L	20	78500		73600		6		P
Selenium	ug/L	20	10.0	U	10.0	U			P
Silver	ug/L	20	5.00	U	5.00	U			P
Sodium	ug/L	20	61400		57300		7		P
Thallium	ug/L	20	20.0	U	20.0	U			P
Vanadium	ug/L	20	22.5		22.2		1		P
Zinc	ug/L	20	45.6		41.0		11		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: Tetra Tech NUS, Inc. **Level:** LOW **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1774 **SAS No.:** Q1774

Matrix: Water **Sample ID:** Q1774-02MS **Client ID:** TT-073-IDWGW-20250409MSD

Percent Solids for Sample: NA **Duplicate ID** Q1774-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	9510		9360		2		P
Antimony	ug/L	20	380		377		1		P
Arsenic	ug/L	20	378		375		1		P
Barium	ug/L	20	137		140		2		P
Beryllium	ug/L	20	94.1		95.1		1		P
Cadmium	ug/L	20	97.2		96.1		1		P
Calcium	ug/L	20	5740		6340		10		P
Chromium	ug/L	20	205		204		0		P
Cobalt	ug/L	20	98.5		98.1		0		P
Copper	ug/L	20	158		158		0		P
Iron	ug/L	20	6130		6480		6		P
Lead	ug/L	20	479		473		1		P
Magnesium	ug/L	20	2820		3000		6		P
Manganese	ug/L	20	207		220		6		P
Nickel	ug/L	20	244		241		1		P
Potassium	ug/L	20	38100		41400		8		P
Selenium	ug/L	20	900		891		1		P
Silver	ug/L	20	33.7		33.6		0		P
Sodium	ug/L	20	27200		29800		9		P
Thallium	ug/L	20	935		928		1		P
Vanadium	ug/L	20	148		147		1		P
Zinc	ug/L	20	122		120		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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LABORATORY CONTROL SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1774 **SAS No.:** Q1774

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167567BS							
Aluminum	ug/L	1000	948		95	86 - 115	P
Antimony	ug/L	400	405		101	88 - 113	P
Arsenic	ug/L	400	401		100	87 - 113	P
Barium	ug/L	100	96.6		97	88 - 113	P
Beryllium	ug/L	100	95.2		95	89 - 112	P
Cadmium	ug/L	100	101		101	88 - 113	P
Calcium	ug/L	500	504	J	101	87 - 113	P
Chromium	ug/L	200	199		100	90 - 113	P
Cobalt	ug/L	100	98.3		98	89 - 114	P
Copper	ug/L	150	154		103	86 - 114	P
Iron	ug/L	1500	1530		102	87 - 115	P
Lead	ug/L	500	500		100	86 - 113	P
Magnesium	ug/L	1000	943	J	94	85 - 113	P
Manganese	ug/L	100	99.1		99	90 - 114	P
Nickel	ug/L	250	246		98	88 - 113	P
Potassium	ug/L	5000	4890		98	86 - 114	P
Selenium	ug/L	1000	1010		101	83 - 114	P
Silver	ug/L	37.5	36.6		98	84 - 115	P
Sodium	ug/L	1500	1430		95	87 - 115	P
Thallium	ug/L	1000	1030		103	85 - 114	P
Vanadium	ug/L	150	145		97	90 - 111	P
Zinc	ug/L	100	99.1		99	87 - 115	P

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1774 **SAS No.:** Q1774

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167569BS							
Mercury	ug/L	4.0	4.04		101	82 - 119	CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

B-158-GW01L

Lab Name: Chemtech Consulting Group **Contract:** TETR06

Lab Code: CHEM **Lb No.:** lb135388 **Lab Sample ID :** Q1746-05L **SDG No.:** Q1774

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
Mercury	0.20	J	1.00	U	100.0		CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

TT-073-IDWGW-20250409L

Lab Name: Chemtech Consulting Group **Contract:** TETR06

Lab Code: CHEM **Lb No.:** lb135424 **Lab Sample ID :** Q1774-02L **SDG No.:** Q1774

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
Aluminum	10000		13000		30		P
Antimony	25.0	U	125	U			P
Arsenic	9.21	J	50.0	U	100.0		P
Barium	94.7		94.4	J	0		P
Beryllium	1.44	J	1.72	J	20		P
Cadmium	3.00	U	15.0	U			P
Calcium	11100		11100		0		P
Chromium	37.4		37.6		0		P
Cobalt	8.71	J	8.38	J	4		P
Copper	42.7		44.2	J	3		P
Iron	9850		9760		1		P
Lead	22.2		23.8	J	7		P
Magnesium	3630		4070	J	12		P
Manganese	237		247		4		P
Nickel	18.1	J	15.7	J	13		P
Potassium	78500		68100		13		P
Selenium	10.0	U	50.0	U			P
Silver	5.00	U	25.0	U			P
Sodium	61400		52200		15		P
Thallium	20.0	U	100	U			P
Vanadium	22.5		24.1	J	7		P
Zinc	45.6		42.6	J	7		P

METAL PREPARATION & INSTRUMENT DATA

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1774 **SAS No.:** Q1774

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
Aluminum	396.100	0.0000000	-0.0002060	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	-0.0075970	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1774 **SAS No.:** Q1774

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
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0054900
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1774 **SAS No.:** Q1774

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
Aluminum	396.100	0.0000000	0.0000000	0.0000590	0.0000000	0.0396900
Antimony	206.833	0.0122000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000710	-0.0003400
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0007860
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0017400	-0.0100400
Vanadium	292.402	-0.0025100	0.0000000	0.0000000	0.0000000	-0.0072000
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1774 **SAS No.:** Q1774

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
Aluminum	396.100	0.0000000	0.0000000	0.0012800	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q1774 **SAS No.:** Q1774

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
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	-0.0035600	-0.0007970	0.0000000	-0.0018900	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Cobalt	228.616	0.0000000	0.0018800	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	-0.0039700	0.0000000	-0.0115600	0.0000000
Vanadium	292.402	0.0000000	0.0005320	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

METAL PREPARATION & ANALYICAL SUMMARY

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SAMPLE PREPARATION SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Method:**

Case No.: Q1774 **SAS No.:** Q1774

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB167567**						
PB167567BL	PB167567BL	MB	WATER	04/11/2025	50.0	25.0	
PB167567BS	PB167567BS	LCS	WATER	04/11/2025	50.0	25.0	
Q1774-02	TT-073-IDWGW-20250409	SAM	WATER	04/11/2025	50.0	25.0	
Q1774-02DUP	TT-073-IDWGW-20250409DUP	DUP	WATER	04/11/2025	50.0	25.0	
Q1774-02MS	TT-073-IDWGW-20250409MS	MS	WATER	04/11/2025	50.0	25.0	
Q1774-02MSD	TT-073-IDWGW-20250409MSD	MSD	WATER	04/11/2025	50.0	25.0	
Q1774-03	TT-074-IDWGW-20250409	SAM	WATER	04/11/2025	50.0	25.0	
Q1774-04	TT-075-IDWGW-20250409	SAM	WATER	04/11/2025	50.0	25.0	

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SAMPLE PREPARATION SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Contract: TETR06 **Lab Code:** CHEM **Method:**

Case No.: Q1774 **SAS No.:** Q1774

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB167569**						
PB167569BL	PB167569BL	MB	WATER	04/10/2025	30.0	30.0	
PB167569BS	PB167569BS	LCS	WATER	04/10/2025	30.0	30.0	
Q1746-05DUP	B-158-GW01DUP	DUP	WATER	04/10/2025	30.0	30.0	
Q1746-05MS	B-158-GW01MS	MS	WATER	04/10/2025	30.0	30.0	
Q1746-05MSD	B-158-GW01MSD	MSD	WATER	04/10/2025	30.0	30.0	
Q1774-02	TT-073-IDWGW-20250409	SAM	WATER	04/10/2025	30.0	30.0	
Q1774-03	TT-074-IDWGW-20250409	SAM	WATER	04/10/2025	30.0	30.0	
Q1774-04	TT-075-IDWGW-20250409	SAM	WATER	04/10/2025	30.0	30.0	

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ANALYSIS RUN LOG

Client: Tetra Tech NUS, Inc. **Contract:** TETR06

Lab code: CHEM **Case no.:** Q1774 **Sas no.:** Q1774 **Sdg no.:** Q1774

Instrument id number: **Method:** **Run number:** LB135388

Start date: 04/11/2025 **End date:** 04/11/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0945	HG
S0.2	S0.2	1	0948	HG
S2.5	S2.5	1	0950	HG
S5	S5	1	0952	HG
S7.5	S7.5	1	0954	HG
S10	S10	1	1000	HG
ICV84	ICV84	1	1003	HG
ICB84	ICB84	1	1005	HG
CCV59	CCV59	1	1007	HG
CCB59	CCB59	1	1009	HG
CRA	CRA	1	1012	HG
PB167569BL	PB167569BL	1	1035	HG
CCV60	CCV60	1	1037	HG
CCB60	CCB60	1	1039	HG
PB167569BS	PB167569BS	1	1046	HG
Q1746-05DUP	B-158-GW01DUP	1	1058	HG
Q1746-05MS	B-158-GW01MS	1	1100	HG
Q1746-05MSD	B-158-GW01MSD	1	1103	HG
Q1774-02	TT-073-IDWGW-20250409	1	1109	HG
Q1774-03	TT-074-IDWGW-20250409	1	1112	HG
CCV61	CCV61	1	1114	HG
CCB61	CCB61	1	1116	HG
Q1774-04	TT-075-IDWGW-20250409	1	1119	HG
Q1746-05L	B-158-GW01L	5	1128	HG
Q1746-05A	B-158-GW01A	1	1130	HG
CCV62	CCV62	1	1141	HG
CCB62	CCB62	1	1143	HG

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ANALYSIS RUN LOG

Client: Tetra Tech NUS, Inc. **Contract:** TETR06

Lab code: CHEM **Case no.:** Q1774 **Sas no.:** Q1774 **Sdg no.:** Q1774

Instrument id number: **Method:** **Run number:** LB135424

Start date: 04/14/2025 **End date:** 04/14/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1313	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1317	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1322	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1326	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1330	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1334	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1356	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1401	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1405	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1409	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1414	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1418	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1431	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1435	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1774-02	TT-073-IDWGW-20250409	1	1505	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1774-03	TT-074-IDWGW-20250409	1	1509	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1774-04	TT-075-IDWGW-20250409	1	1514	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1774-02DUP	TT-073-IDWGW-20250409DUP	1	1518	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1522	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1526	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1774-02L	TT-073-IDWGW-20250409L	5	1531	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1774-02MS	TT-073-IDWGW-20250409MS	1	1535	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1774-02MSD	TT-073-IDWGW-20250409MSI	1	1539	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1774-02A	TT-073-IDWGW-20250409A	1	1543	Ba,Cr,Cu,Mg,Mn,V,Zn
CCV03	CCV03	1	1628	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1632	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1718	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1722	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB167567BL	PB167567BL	1	1752	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB167567BS	PB167567BS	1	1756	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1816	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1820	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	1907	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1911	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	1957	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	2001	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV08	CCV08	1	2048	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB08	CCB08	1	2052	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV09	CCV09	1	2138	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB09	CCB09	1	2142	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV10	CCV10	1	2228	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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ANALYSIS RUN LOG

Client: Tetra Tech NUS, Inc. **Contract:** TETR06

Lab code: CHEM **Case no.:** Q1774 **Sas no.:** Q1774 **Sdg no.:** Q1774

Instrument id number: **Method:** **Run number:** LB135424

Start date: 04/14/2025 **End date:** 04/14/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
CCB10	CCB10	1	2232	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV11	CCV11	1	2240	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB11	CCB11	1	2244	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV12	CCV12	1	2306	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB12	CCB12	1	2311	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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LAB CHRONICLE

OrderID:	Q1774	**OrderDate:**	4/10/2025 10:43:00 AM
Client:	Tetra Tech NUS, Inc.	**Project:**	CTO WE13
Contact:	Ernie Wu	**Location:**	F11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1774-02	**TT-073-IDWGW-2025 0409**	**WATER**			**04/09/25 11:30**			**04/10/25**
			pH	9040C			04/11/25 10:00	
Q1774-03	**TT-074-IDWGW-2025 0409**	**WATER**			**04/09/25 11:40**			**04/10/25**
			pH	9040C			04/11/25 10:10	
Q1774-04	**TT-075-IDWGW-2025 0409**	**WATER**			**04/09/25 11:50**			**04/10/25**
			pH	9040C			04/11/25 10:15	

SAMPLE DATA

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	04/09/25 11:30
Project:	CTO WE13	Date Received:	04/10/25
Client Sample ID:	TT-073-IDWGW-20250409	SDG No.:	Q1774
Lab Sample ID:	Q1774-02	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
pH	8.73	H	1	0	0	0	pH		04/11/25 10:00	9040C

Comments: pH result reported at temperature 20.2 °C

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	04/09/25 11:40
Project:	CTO WE13	Date Received:	04/10/25
Client Sample ID:	TT-074-IDWGW-20250409	SDG No.:	Q1774
Lab Sample ID:	Q1774-03	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
pH	7.05	H	1	0	0	0	pH		04/11/25 10:10	9040C

Comments: pH result reported at temperature 20.3 °C

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	04/09/25 11:50
Project:	CTO WE13	Date Received:	04/10/25
Client Sample ID:	TT-075-IDWGW-20250409	SDG No.:	Q1774
Lab Sample ID:	Q1774-04	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
pH	6.62	H	1	0	0	0	pH		04/11/25 10:15	9040C

Comments: pH result reported at temperature 20.9 °C

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

QC RESULT SUMMARY

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Initial and Continuing Calibration Verification

Client: Tetra Tech NUS, Inc. **SDG No.:** Q1774

Project: CTO WE13 **RunNo.:** LB135391

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV						
pH		pH	7.01	7	100	90-110	04/11/2025
Sample ID:	CCV1						
pH		pH	2.01	2.00	101	90-110	04/11/2025
Sample ID:	CCV2						
pH		pH	12.02	12.00	100	90-110	04/11/2025
Sample ID:	CCV3						
pH		pH	2.01	2.00	101	90-110	04/11/2025

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Duplicate Sample Summary

Client: Tetra Tech NUS, Inc.
SDG No.: Q1774
Project: CTO WE13
Sample ID: Q1763-02
Client ID: AUD-25-0047DUP
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
pH	pH	+/-20	5.66		5.67		1	0.18		04/11/2025

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 78-8922
www.chemtech.net

Chemtech Project Number: Q1774

COC Number:

CLIENT INFORMATION	PROJECT INFORMATION	BILLING INFORMATION
COMPANY: Tetra Tech	PROJECT NAME: NWIRP Bethpage	BILL TO: SEE CONTRACT PO#
ADDRESS: 4433 Corporation Ln, Suite 300	PROJECT #: 112G08005-WE13 LOCATION: GW IDW	ADDRESS:
CITY: Virginia Beach STATE: VA ZIP: 23462	PROJECT MANAGER: Ernie Wu	CITY: STATE: ZIP:
ATTENTION: Ernie Wu	E-MAIL: ernie.wu@tetratech.com	ATTENTION: PHONE:
PHONE: 757-466-4901 FAX: 757-461-4148	PHONE: 757-466-4901 FAX: 757-461-4148	

DATA TURNAROUND INFORMATION

FAX:_____48hr_____ DAYS*
HARD COPY:_____48hr_____DAYS*
EDD_____48hr_____DAYS*
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ❑ RESULTS ONLY
- ❑ RESULTS + QC
- ❑ New Jersey REDUCED
- ❑ New Jersey CLP
- ❑ USEPA CLP
- ❑ New York State ASP "B"
- ❑ New York State ASP "A"
- ❑ Other_____
- ❑ EDD Format_____

ANALYSIS

	1	2	3	4	5	6	7	8	9
	VOC's (EPA 624)	pH	Total Metals	PCB's (EPA 8082)					
PRESERVATIVES	A		B						

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	1	2	3	4	5	6	7	8	9	COMMENTS
1.	BP-TB-20250407	QA		X	4/7/25	9:00	2	2									Trip Blank
2.	TT-073-IDWGW-20250409	AQ		X	4/9/25	11:30	5	2	1	1	1						PH. 1.3 LOT # 80404[illegible]
3.	TT-074-IDWGW-20250409	AQ		X	4/9/25	11:40	5	2	1	1	1						PH 1.3
4.	TT-075-IDWGW-20250409	AQ		X	4/9/25	11:50	5	2	1	1	1						PH 1.0
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

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

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1. [signature]	4/9/25 14:00	1.
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2. Fed Ex	4-10-25 0950	2. [signature]
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3.		3.

Conditions of bottles or coolers at receipt: q Compliant q Non Compliant q Cooler Temp 2.3°C
MeOH extraction requires an additional 4oz. Jar for percent solid
q Ice in Cooler?: Y
Comments:
48hr TAT - CTO-WE13 Drilling GW IDW Sampling - Frac Tank #3291 (TT-050)
(Adjust FACTOR + 1 IR(XU) #1

Page 1 of 1

SHIPPED VIA: CLIENT: ❑ Hand Delivered ❑ Overnight
CHEMTECH: ❑ Picked Up ❑ Overnight

Shipment Complete
❑ YES ❑ NO

WHITE - CHEMTECH COPYFOR RETURN TO CLIENT **YELLOW** - CHEMTECH COPY **PINK** - SAMPLER COPY

From: Wu, Ernie <Ernie.Wu@tetratech.com>
Sent: Thursday, April 10, 2025 2:48 PM
Subject: RE: Q1774
Attachments: SKM_C55825041011470.pdf

Kiran,

Thanks for letting me know. Please proceed with the analysis without the trip blank.

Ernie

Ernie Wu | Project Manager | Environmental Scientist
Direct **+1 (757) 466-4148** | Business **+1 (757) 461-3768** | ernie.wu@tetratech.com
Time Zone: Eastern Time

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EGS

From: Kiran Saleem <Kiran.Saleem@alliancetg.com>
Sent: Thursday, April 10, 2025 12:45 PM
To: Wu, Ernie <Ernie.Wu@tetratech.com>
Cc: Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>
Subject: Q1774

Good Afternoon Ernie,

I am reaching out to inform you that we did not receive the sample 1 which is BP-TB-20250407 for attached COC.

Thanks.

Regards,

Kiran Saleem
Project Manager
Alliance Technical Group
Main: 908-789-8900
Direct: 908-728-3148
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1774 TETR06
Client Name : Tetra Tech NUS, Inc.
Client Contact : Ernie Wu
Invoice Name : Tetra Tech NUS, Inc.
Invoice Contact : Ernie Wu

Order Date : 4/10/2025 10:43:00 AM
Project Name : CTO WE13
Receive DateTime : 4/10/2025 9:50:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : ADAPT
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
~~Q1774-01~~	~~BP-TB-20250407~~	~~Water~~	~~04/09/2025~~	~~09:00~~					
					~~VOCMS Group4~~		~~624.1~~		~~2 Bus. Days~~
Q1774-02	TT-073-IDWGW-20250409	Water	04/09/2025	11:30					
					VOCMS Group4		624.1		2 Bus. Days
Q1774-03	TT-074-IDWGW-20250409	Water	04/09/2025	11:40					
					VOCMS Group4		624.1		2 Bus. Days
Q1774-04	TT-075-IDWGW-20250409	Water	04/09/2025	11:50					
					VOCMS Group4		624.1		2 Bus. Days

Relinguished By : [signature]
Date / Time : 4/10/25 1120

Received By : [signature]
Date / Time : 4/10/25 11:20

Storage Area : VOA Refridgerator Room