

LAB CHRONICLE

OrderID:	Q3017	OrderDate:	9/4/2025 10:17:00 AM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	J12,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3017-01	BP-TB-20250903	Water	VOC-TCLVOA-10	624.1	09/03/25		09/04/25	09/04/25
Q3017-02	TT-076-IDWGW-2025 0903	Water	VOC-TCLVOA-10	624.1	09/03/25		09/04/25	09/04/25
Q3017-03	TT-077-IDWGW-2025 0903	Water	VOC-TCLVOA-10	624.1	09/03/25		09/04/25	09/04/25
Q3017-04	TT-078-IDWGW-2025 0903	Water	VOC-TCLVOA-10	624.1	09/03/25		09/04/25	09/04/25
Q3017-05	TT-079-IDWGW-2025 0903	Water	VOC-TCLVOA-10	624.1	09/03/25		09/04/25	09/04/25



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

Hit Summary Sheet
SW-846

SDG No.: Q3017
Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	TT-076-IDWGW-20250903							
Q3017-02	TT-076-IDWGW-20	Water	Trichloroethene	6.70		0.49	5.00	ug/L
			Total Voc :	6.70				
			Total Concentration:	6.70				



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/04/25	
Client Sample ID:	BP-TB-20250903		SDG No.:	Q3017	
Lab Sample ID:	Q3017-01		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087718.D	1	09/04/25 13:35	VN090425

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
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
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
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
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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/04/25	
Client Sample ID:	BP-TB-20250903		SDG No.:	Q3017	
Lab Sample ID:	Q3017-01		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087718.D	1	09/04/25 13:35	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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
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
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
108-67-8	1,3,5-Trimethylbenzene	0.59	U	0.59	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
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
87-61-6	1,2,3-Trichlorobenzene	1.10	U	1.10	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.0		91 - 110	100%	SPK: 30
2037-26-5	Toluene-d8	30.4		91 - 112	101%	SPK: 30
460-00-4	4-Bromofluorobenzene	25.3		63 - 112	84%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	25000	7.8			
540-36-3	1,4-Difluorobenzene	131000	9.082			
3114-55-4	Chlorobenzene-d5	117000	11.847			

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/04/25	
Client Sample ID:	BP-TB-20250903		SDG No.:	Q3017	
Lab Sample ID:	Q3017-01		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087718.D	1	09/04/25 13:35	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/04/25	
Client Sample ID:	TT-076-IDWGW-20250903		SDG No.:	Q3017	
Lab Sample ID:	Q3017-02		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087719.D	1	09/04/25 13:56	VN090425

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
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
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
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	6.70		0.49	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	0.46	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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/04/25	
Client Sample ID:	TT-076-IDWGW-20250903		SDG No.:	Q3017	
Lab Sample ID:	Q3017-02		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087719.D	1	09/04/25 13:56	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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
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
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
108-67-8	1,3,5-Trimethylbenzene	0.59	U	0.59	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
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
87-61-6	1,2,3-Trichlorobenzene	1.10	U	1.10	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	29.8		91 - 110	99%	SPK: 30
2037-26-5	Toluene-d8	29.5		91 - 112	98%	SPK: 30
460-00-4	4-Bromofluorobenzene	25.4		63 - 112	85%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	31600	7.794			
540-36-3	1,4-Difluorobenzene	160000	9.082			
3114-55-4	Chlorobenzene-d5	142000	11.847			

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/04/25	
Client Sample ID:	TT-076-IDWGW-20250903		SDG No.:	Q3017	
Lab Sample ID:	Q3017-02		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087719.D	1	09/04/25 13:56	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/04/25	
Client Sample ID:	TT-077-IDWGW-20250903		SDG No.:	Q3017	
Lab Sample ID:	Q3017-03		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087722.D	1	09/04/25 14:58	VN090425

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
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
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
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
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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/04/25	
Client Sample ID:	TT-077-IDWGW-20250903		SDG No.:	Q3017	
Lab Sample ID:	Q3017-03		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087722.D	1	09/04/25 14:58	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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
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
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
108-67-8	1,3,5-Trimethylbenzene	0.59	U	0.59	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
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
87-61-6	1,2,3-Trichlorobenzene	1.10	U	1.10	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	29.4		91 - 110	98%	SPK: 30
2037-26-5	Toluene-d8	29.4		91 - 112	98%	SPK: 30
460-00-4	4-Bromofluorobenzene	24.0		63 - 112	80%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	42000	7.794			
540-36-3	1,4-Difluorobenzene	226000	9.082			
3114-55-4	Chlorobenzene-d5	201000	11.847			

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/04/25	
Client Sample ID:	TT-077-IDWGW-20250903		SDG No.:	Q3017	
Lab Sample ID:	Q3017-03		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087722.D	1	09/04/25 14:58	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/04/25	
Client Sample ID:	TT-078-IDWGW-20250903		SDG No.:	Q3017	
Lab Sample ID:	Q3017-04		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087720.D	1	09/04/25 14:16	VN090425

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
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
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
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
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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/04/25	
Client Sample ID:	TT-078-IDWGW-20250903		SDG No.:	Q3017	
Lab Sample ID:	Q3017-04		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087720.D	1	09/04/25 14:16	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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
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
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
108-67-8	1,3,5-Trimethylbenzene	0.59	U	0.59	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
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
87-61-6	1,2,3-Trichlorobenzene	1.10	U	1.10	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	29.2		91 - 110	97%	SPK: 30
2037-26-5	Toluene-d8	29.4		91 - 112	98%	SPK: 30
460-00-4	4-Bromofluorobenzene	25.5		63 - 112	85%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	36200	7.8			
540-36-3	1,4-Difluorobenzene	190000	9.082			
3114-55-4	Chlorobenzene-d5	168000	11.847			

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/03/25
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/04/25
Client Sample ID:	TT-078-IDWGW-20250903		SDG No.:	Q3017
Lab Sample ID:	Q3017-04		Matrix:	Water
Analytical Method:	E624.1		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087720.D	1	09/04/25 14:16	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/04/25	
Client Sample ID:	TT-079-IDWGW-20250903		SDG No.:	Q3017	
Lab Sample ID:	Q3017-05		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087721.D	1	09/04/25 14:37	VN090425

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
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
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
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
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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/04/25	
Client Sample ID:	TT-079-IDWGW-20250903		SDG No.:	Q3017	
Lab Sample ID:	Q3017-05		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087721.D	1	09/04/25 14:37	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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
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
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
108-67-8	1,3,5-Trimethylbenzene	0.59	U	0.59	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
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
87-61-6	1,2,3-Trichlorobenzene	1.10	U	1.10	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	29.4		91 - 110	98%	SPK: 30
2037-26-5	Toluene-d8	30.7		91 - 112	102%	SPK: 30
460-00-4	4-Bromofluorobenzene	25.4		63 - 112	85%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	39100	7.794			
540-36-3	1,4-Difluorobenzene	203000	9.083			
3114-55-4	Chlorobenzene-d5	175000	11.841			

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/04/25	
Client Sample ID:	TT-079-IDWGW-20250903		SDG No.:	Q3017	
Lab Sample ID:	Q3017-05		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087721.D	1	09/04/25 14:37	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Surrogate Summary

SDG No.: Q3017

Client: Tetra Tech NUS, Inc.

Analytical Method: SW624.1

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3017-01	BP-TB-20250903	1,2-Dichloroethane-d4	30	30.0	100		91	110
		Toluene-d8	30	30.4	101		91	112
		4-Bromofluorobenzene	30	25.3	84		63	112
Q3017-02	TT-076-IDWGW-20250903	1,2-Dichloroethane-d4	30	29.8	99		91	110
		Toluene-d8	30	29.5	98		91	112
		4-Bromofluorobenzene	30	25.4	85		63	112
Q3017-03	TT-077-IDWGW-20250903	1,2-Dichloroethane-d4	30	29.4	98		91	110
		Toluene-d8	30	29.4	98		91	112
		4-Bromofluorobenzene	30	24.0	80		63	112
Q3017-04	TT-078-IDWGW-20250903	1,2-Dichloroethane-d4	30	29.2	97		91	110
		Toluene-d8	30	29.4	98		91	112
		4-Bromofluorobenzene	30	25.5	85		63	112
Q3017-05	TT-079-IDWGW-20250903	1,2-Dichloroethane-d4	30	29.4	98		91	110
		Toluene-d8	30	30.7	102		91	112
		4-Bromofluorobenzene	30	25.4	85		63	112
VN0904WBL01	VN0904WBL01	1,2-Dichloroethane-d4	30	30.5	102		91	110
		Toluene-d8	30	30.1	100		91	112
		4-Bromofluorobenzene	30	25.9	86		63	112
VN0904WBS01	VN0904WBS01	1,2-Dichloroethane-d4	30	28.6	95		91	110
		Toluene-d8	30	30.1	100		91	112
		4-Bromofluorobenzene	30	27.6	92		63	112
VN0904WBSD0	VN0904WBSD01	1,2-Dichloroethane-d4	30	27.8	93		91	110
		Toluene-d8	30	29.7	99		91	112
		4-Bromofluorobenzene	30	28.5	95		63	112

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	Q3017	SW-846	Analytical Method:	SW624.1
Client:	Tetra Tech NUS, Inc.	Datafile :	VN087715.D	

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0904WBS01	Dichlorodifluoromethane	20	19.4	ug/L	97			72	118	
	Chloromethane	20	18.8	ug/L	94			1	205	
	Vinyl Chloride	20	20.2	ug/L	101			5	195	
	Bromomethane	20	26.2	ug/L	131			15	185	
	Chloroethane	20	20.8	ug/L	104			40	160	
	Trichlorofluoromethane	20	22.0	ug/L	110			50	150	
	1,1,2-Trichlorotrifluoroethane	20	23.3	ug/L	117			64	127	
	1,1-Dichloroethene	20	22.5	ug/L	113			50	150	
	Acetone	100	100	ug/L	100			41	148	
	Carbon disulfide	20	18.1	ug/L	91			76	107	
	Methyl tert-butyl Ether	20	17.1	ug/L	86			82	114	
	Methyl Acetate	20	21.8	ug/L	109			63	139	
	Methylene Chloride	20	18.9	ug/L	95			60	140	
	trans-1,2-Dichloroethene	20	18.1	ug/L	91			70	130	
	1,1-Dichloroethane	20	18.9	ug/L	95			70	130	
	Cyclohexane	20	17.4	ug/L	87			79	113	
	2-Butanone	100	91.6	ug/L	92			69	129	
	Carbon Tetrachloride	20	19.5	ug/L	98			70	130	
	cis-1,2-Dichloroethene	20	18.3	ug/L	92			81	112	
	Chloroform	20	18.9	ug/L	95			70	135	
	1,1,1-Trichloroethane	20	19.9	ug/L	100			70	130	
	Methylcyclohexane	20	17.6	ug/L	88			79	112	
	Benzene	20	19.1	ug/L	96			65	135	
	1,2-Dichloroethane	20	18.3	ug/L	92			70	130	
	Trichloroethene	20	19.3	ug/L	97			65	135	
	1,2-Dichloropropane	20	19.5	ug/L	98			35	165	
	Bromodichloromethane	20	18.9	ug/L	95			65	135	
	4-Methyl-2-Pentanone	100	91.2	ug/L	91			73	131	
	Toluene	20	19.0	ug/L	95			70	130	
	t-1,3-Dichloropropene	20	17.7	ug/L	89			50	150	
	cis-1,3-Dichloropropene	20	18.4	ug/L	92			25	175	
	1,1,2-Trichloroethane	20	19.7	ug/L	99			70	130	
	2-Hexanone	100	83.6	ug/L	84			72	128	
	Dibromochloromethane	20	18.8	ug/L	94			70	135	
	1,2-Dibromoethane	20	19.4	ug/L	97			86	114	
	Tetrachloroethene	20	20.2	ug/L	101			70	130	
	Chlorobenzene	20	19.2	ug/L	96			65	135	
	Ethyl Benzene	20	18.4	ug/L	92			60	140	
	m/p-Xylenes	40	37.6	ug/L	94			87	111	
	o-Xylene	20	17.9	ug/L	90			87	111	
	Styrene	20	18.0	ug/L	90			85	106	
	Bromoform	20	18.0	ug/L	90			70	130	
	Isopropylbenzene	20	18.5	ug/L	93			86	112	
	1,1,2,2-Tetrachloroethane	20	19.7	ug/L	99			60	140	
	1,3,5-Trimethylbenzene	20	18.3	ug/L	92			66	139	
	1,3-Dichlorobenzene	20	19.4	ug/L	97			70	130	
	1,4-Dichlorobenzene	20	19.7	ug/L	99			65	135	
	1,2-Dichlorobenzene	20	19.8	ug/L	99			65	135	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3017</u>	Analytical Method:	<u>SW624.1</u>
Client:	<u>Tetra Tech NUS, Inc.</u>	Datafile :	<u>VN087715.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VN0904WBS01	1,2-Dibromo-3-Chloropropane	20	18.1	ug/L	91			69	122	
	1,2,4-Trichlorobenzene	20	18.5	ug/L	93			61	118	
	1,2,3-Trichlorobenzene	20	18.5	ug/L	93			38	159	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	Q3017	SW-846	Analytical Method:	SW624.1
Client:	Tetra Tech NUS, Inc.		Datafile :	VN087716.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0904WBSD01	Dichlorodifluoromethane	20	20.4	ug/L	102	5		72	118	20
	Chloromethane	20	19.1	ug/L	96	2		1	205	20
	Vinyl Chloride	20	20.8	ug/L	104	3		5	195	20
	Bromomethane	20	26.7	ug/L	134	2		15	185	20
	Chloroethane	20	21.7	ug/L	109	5		40	160	20
	Trichlorofluoromethane	20	22.5	ug/L	113	3		50	150	20
	1,1,2-Trichlorotrifluoroethane	20	25.1	ug/L	126	7		64	127	20
	1,1-Dichloroethene	20	22.0	ug/L	110	3		50	150	20
	Acetone	100	96.3	ug/L	96	4		41	148	20
	Carbon disulfide	20	18.3	ug/L	92	1		76	107	20
	Methyl tert-butyl Ether	20	17.9	ug/L	90	5		82	114	20
	Methyl Acetate	20	23.1	ug/L	116	6		63	139	20
	Methylene Chloride	20	19.7	ug/L	99	4		60	140	20
	trans-1,2-Dichloroethene	20	19.0	ug/L	95	4		70	130	20
	1,1-Dichloroethane	20	18.7	ug/L	94	1		70	130	20
	Cyclohexane	20	18.2	ug/L	91	4		79	113	20
	2-Butanone	100	98.4	ug/L	98	6		69	129	20
	Carbon Tetrachloride	20	20.9	ug/L	104	6		70	130	20
	cis-1,2-Dichloroethene	20	18.8	ug/L	94	2		81	112	20
	Chloroform	20	19.6	ug/L	98	3		70	135	20
	1,1,1-Trichloroethane	20	21.0	ug/L	105	5		70	130	20
	Methylcyclohexane	20	19.1	ug/L	96	9		79	112	20
	Benzene	20	20.1	ug/L	101	5		65	135	20
	1,2-Dichloroethane	20	19.2	ug/L	96	4		70	130	20
	Trichloroethene	20	20.9	ug/L	104	7		65	135	20
	1,2-Dichloropropane	20	21.1	ug/L	106	8		35	165	20
	Bromodichloromethane	20	20.1	ug/L	101	6		65	135	20
	4-Methyl-2-Pentanone	100	100	ug/L	100	9		73	131	20
	Toluene	20	20.5	ug/L	103	8		70	130	20
	t-1,3-Dichloropropene	20	19.3	ug/L	97	9		50	150	20
	cis-1,3-Dichloropropene	20	19.5	ug/L	98	6		25	175	20
	1,1,2-Trichloroethane	20	22.1	ug/L	111	11		70	130	20
	2-Hexanone	100	92.7	ug/L	93	10		72	128	20
	Dibromochloromethane	20	21.1	ug/L	106	12		70	135	20
	1,2-Dibromoethane	20	20.2	ug/L	101	4		86	114	20
	Tetrachloroethene	20	21.9	ug/L	110	9		70	130	20
	Chlorobenzene	20	20.4	ug/L	102	6		65	135	20
	Ethyl Benzene	20	19.8	ug/L	99	7		60	140	20
	m/p-Xylenes	40	39.4	ug/L	99	5		87	111	20
	o-Xylene	20	19.3	ug/L	97	7		87	111	20
	Styrene	20	19.3	ug/L	97	7		85	106	20
	Bromoform	20	20.0	ug/L	100	11		70	130	20
	Isopropylbenzene	20	20.3	ug/L	102	9		86	112	20
	1,1,2,2-Tetrachloroethane	20	21.2	ug/L	106	7		60	140	20
	1,3,5-Trimethylbenzene	20	20.1	ug/L	101	9		66	139	20
	1,3-Dichlorobenzene	20	21.7	ug/L	109	12		70	130	20
	1,4-Dichlorobenzene	20	20.7	ug/L	104	5		65	135	20
	1,2-Dichlorobenzene	20	21.6	ug/L	108	9		65	135	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3017</u>	Analytical Method:	<u>SW624.1</u>
Client:	<u>Tetra Tech NUS, Inc.</u>	Datafile :	<u>VN087716.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0904WBSD01	1,2-Dibromo-3-Chloropropane	20	19.2	ug/L	96	5		69	122	20
	1,2,4-Trichlorobenzene	20	20.8	ug/L	104	11		61	118	20
	1,2,3-Trichlorobenzene	20	20.8	ug/L	104	11		38	159	20

VOLATILE METHOD BLANK SUMMARY

Client ID

VN0904WBL01

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q3017

Lab File ID: VN087717.D

Lab Sample ID: VN0904WBL01

Date Analyzed: 09/04/2025

Time Analyzed: 12:59

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
VN0904WBS01	VN0904WBS01	VN087715.D	09/04/2025
VN0904WBSD01	VN0904WBSD01	VN087716.D	09/04/2025
BP-TB-20250903	Q3017-01	VN087718.D	09/04/2025
TT-076-IDWGW-20250903	Q3017-02	VN087719.D	09/04/2025
TT-078-IDWGW-20250903	Q3017-04	VN087720.D	09/04/2025
TT-079-IDWGW-20250903	Q3017-05	VN087721.D	09/04/2025
TT-077-IDWGW-20250903	Q3017-03	VN087722.D	09/04/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q3017

Lab File ID: VN087447.D

BFB Injection Date: 08/05/2025

Instrument ID: MSVOA_N

BFB Injection Time: 09:27

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	24.6
75	30.0 - 60.0% of mass 95	58.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1 (1.5) 1
174	50.0 - 100.0% of mass 95	66.8
175	5.0 - 9.0% of mass 174	4.8 (7.2) 1
176	95.0 - 101.0% of mass 174	65.2 (97.7) 1
177	5.0 - 9.0% of mass 176	4.8 (7.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICCC005	VSTDICCC005	VN087452.D	08/05/2025	13:37
VSTDICCC020	VSTDICCC020	VN087453.D	08/05/2025	13:58
VSTDICCC050	VSTDICCC050	VN087454.D	08/05/2025	14:19
VSTDICCC100	VSTDICCC100	VN087455.D	08/05/2025	14:40
VSTDICCC150	VSTDICCC150	VN087456.D	08/05/2025	15:01

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q3017

Lab File ID: VN087713.D

BFB Injection Date: 09/04/2025

Instrument ID: MSVOA_N

BFB Injection Time: 10:10

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	23.1
75	30.0 - 60.0% of mass 95	57.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.9 (1.3) 1
174	50.0 - 100.0% of mass 95	67
175	5.0 - 9.0% of mass 174	5.4 (8.1) 1
176	95.0 - 101.0% of mass 174	65.8 (98.3) 1
177	5.0 - 9.0% of mass 176	4.7 (7.1) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC020	VSTDCCC020	VN087714.D	09/04/2025	10:54
VN0904WBS01	VN0904WBS01	VN087715.D	09/04/2025	12:04
VN0904WBSD01	VN0904WBSD01	VN087716.D	09/04/2025	12:38
VN0904WBL01	VN0904WBL01	VN087717.D	09/04/2025	12:59
BP-TB-20250903	Q3017-01	VN087718.D	09/04/2025	13:35
TT-076-IDWGW-20250903	Q3017-02	VN087719.D	09/04/2025	13:56
TT-078-IDWGW-20250903	Q3017-04	VN087720.D	09/04/2025	14:16
TT-079-IDWGW-20250903	Q3017-05	VN087721.D	09/04/2025	14:37
TT-077-IDWGW-20250903	Q3017-03	VN087722.D	09/04/2025	14:58
VSTDCCC020EC	VSTDCCC020	VN087723.D	09/04/2025	15:21

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TETR06
Lab Code: ACE SDG NO.: Q3017
Lab File ID: VN087714.D Date Analyzed: 09/04/2025
Instrument ID: MSVOA_N Time Analyzed: 10:54
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	48350	7.80	251837	9.08	230082	11.85
UPPER LIMIT	96700	8.3	503674	9.583	460164	12.347
LOWER LIMIT	24175	7.3	125919	8.583	115041	11.347
EPA SAMPLE NO.						
BP-TB-20250903	24981	7.80	130931	9.08	117412	11.85
TT-076-IDWGW-20250903	31627	7.79	160432	9.08	142263	11.85
TT-077-IDWGW-20250903	41995	7.79	225576	9.08	201361	11.85
TT-078-IDWGW-20250903	36172	7.80	190299	9.08	168068	11.85
TT-079-IDWGW-20250903	39130	7.79	202717	9.08	174966	11.84
VN0904WBL01	37882	7.79	207176	9.08	183441	11.85
VN0904WBS01	43425	7.79	231247	9.08	210355	11.85
VN0904WBSD01	46987	7.79	246294	9.08	222512	11.85

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VN0904WBL01		SDG No.:	Q3017
Lab Sample ID:	VN0904WBL01		Matrix:	Water
Analytical Method:	E624.1		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087717.D	1	09/04/25 12:59	VN090425

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
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
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
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
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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VN0904WBL01		SDG No.:	Q3017
Lab Sample ID:	VN0904WBL01		Matrix:	Water
Analytical Method:	E624.1		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087717.D	1	09/04/25 12:59	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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
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
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
108-67-8	1,3,5-Trimethylbenzene	0.59	U	0.59	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
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
87-61-6	1,2,3-Trichlorobenzene	1.10	U	1.10	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.5		91 - 110	102%	SPK: 30
2037-26-5	Toluene-d8	30.1		91 - 112	100%	SPK: 30
460-00-4	4-Bromofluorobenzene	25.9		63 - 112	86%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	37900	7.794			
540-36-3	1,4-Difluorobenzene	207000	9.082			
3114-55-4	Chlorobenzene-d5	183000	11.847			

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VN0904WBL01		SDG No.:	Q3017
Lab Sample ID:	VN0904WBL01		Matrix:	Water
Analytical Method:	E624.1		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087717.D	1	09/04/25 12:59	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VN0904WBS01		SDG No.:	Q3017
Lab Sample ID:	VN0904WBS01		Matrix:	Water
Analytical Method:	E624.1		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087715.D	1	09/04/25 12:04	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.4		0.77	5.00	ug/L
74-87-3	Chloromethane	18.8		0.64	5.00	ug/L
75-01-4	Vinyl Chloride	20.2		0.83	5.00	ug/L
74-83-9	Bromomethane	26.2		0.80	5.00	ug/L
75-00-3	Chloroethane	20.8		2.30	5.00	ug/L
75-69-4	Trichlorofluoromethane	22.0		0.80	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	23.3		0.96	5.00	ug/L
75-35-4	1,1-Dichloroethene	22.5		0.76	5.00	ug/L
67-64-1	Acetone	100		4.60	25.0	ug/L
75-15-0	Carbon Disulfide	18.1		0.82	5.00	ug/L
1634-04-4	Methyl tert-Butyl Ether	17.1		0.77	5.00	ug/L
79-20-9	Methyl Acetate	21.8		0.91	5.00	ug/L
75-09-2	Methylene Chloride	18.9		0.86	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.1		0.82	5.00	ug/L
75-34-3	1,1-Dichloroethane	18.9		0.68	5.00	ug/L
110-82-7	Cyclohexane	17.4		0.92	5.00	ug/L
78-93-3	2-Butanone	91.6		2.00	25.0	ug/L
56-23-5	Carbon Tetrachloride	19.5		0.74	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.3		0.80	5.00	ug/L
67-66-3	Chloroform	18.9		0.55	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.9		0.63	5.00	ug/L
108-87-2	Methylcyclohexane	17.6		0.73	5.00	ug/L
71-43-2	Benzene	19.1		0.45	5.00	ug/L
107-06-2	1,2-Dichloroethane	18.3		0.50	5.00	ug/L
79-01-6	Trichloroethene	19.3		0.49	5.00	ug/L
78-87-5	1,2-Dichloropropane	19.5		0.46	5.00	ug/L
75-27-4	Bromodichloromethane	18.9		0.64	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	91.2		3.00	25.0	ug/L
108-88-3	Toluene	19.0		0.46	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	17.7		0.72	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VN0904WBS01		SDG No.:	Q3017
Lab Sample ID:	VN0904WBS01		Matrix:	Water
Analytical Method:	E624.1		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087715.D	1	09/04/25 12:04	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	18.4		0.67	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.7		0.45	5.00	ug/L
591-78-6	2-Hexanone	83.6		3.20	25.0	ug/L
124-48-1	Dibromochloromethane	18.8		0.66	5.00	ug/L
106-93-4	1,2-Dibromoethane	19.4		0.56	5.00	ug/L
127-18-4	Tetrachloroethene	20.2		0.84	5.00	ug/L
108-90-7	Chlorobenzene	19.2		0.47	5.00	ug/L
100-41-4	Ethyl Benzene	18.4		0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	37.6		1.30	10.0	ug/L
95-47-6	o-Xylene	17.9		0.67	5.00	ug/L
100-42-5	Styrene	18.0		0.72	5.00	ug/L
75-25-2	Bromoform	18.0		0.94	5.00	ug/L
98-82-8	Isopropylbenzene	18.5		0.78	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.7		0.44	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	18.3		0.59	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.4		0.67	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.7		0.81	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.8		0.67	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.1		0.86	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.5		1.00	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.5		1.10	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	28.6		91 - 110	95%	SPK: 30
2037-26-5	Toluene-d8	30.1		91 - 112	100%	SPK: 30
460-00-4	4-Bromofluorobenzene	27.6		63 - 112	92%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	43400	7.794			
540-36-3	1,4-Difluorobenzene	231000	9.082			
3114-55-4	Chlorobenzene-d5	210000	11.847			

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VN0904WBS01		SDG No.:	Q3017
Lab Sample ID:	VN0904WBS01		Matrix:	Water
Analytical Method:	E624.1		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087715.D	1	09/04/25 12:04	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VN0904WBSD01		SDG No.:	Q3017
Lab Sample ID:	VN0904WBSD01		Matrix:	Water
Analytical Method:	E624.1		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087716.D	1	09/04/25 12:38	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.4		0.77	5.00	ug/L
74-87-3	Chloromethane	19.1		0.64	5.00	ug/L
75-01-4	Vinyl Chloride	20.8		0.83	5.00	ug/L
74-83-9	Bromomethane	26.7		0.80	5.00	ug/L
75-00-3	Chloroethane	21.7		2.30	5.00	ug/L
75-69-4	Trichlorofluoromethane	22.5		0.80	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	25.1		0.96	5.00	ug/L
75-35-4	1,1-Dichloroethene	22.0		0.76	5.00	ug/L
67-64-1	Acetone	96.3		4.60	25.0	ug/L
75-15-0	Carbon Disulfide	18.3		0.82	5.00	ug/L
1634-04-4	Methyl tert-Butyl Ether	17.9		0.77	5.00	ug/L
79-20-9	Methyl Acetate	23.1		0.91	5.00	ug/L
75-09-2	Methylene Chloride	19.7		0.86	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.0		0.82	5.00	ug/L
75-34-3	1,1-Dichloroethane	18.7		0.68	5.00	ug/L
110-82-7	Cyclohexane	18.2		0.92	5.00	ug/L
78-93-3	2-Butanone	98.4		2.00	25.0	ug/L
56-23-5	Carbon Tetrachloride	20.9		0.74	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.8		0.80	5.00	ug/L
67-66-3	Chloroform	19.6		0.55	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	21.0		0.63	5.00	ug/L
108-87-2	Methylcyclohexane	19.1		0.73	5.00	ug/L
71-43-2	Benzene	20.1		0.45	5.00	ug/L
107-06-2	1,2-Dichloroethane	19.2		0.50	5.00	ug/L
79-01-6	Trichloroethene	20.9		0.49	5.00	ug/L
78-87-5	1,2-Dichloropropane	21.1		0.46	5.00	ug/L
75-27-4	Bromodichloromethane	20.1		0.64	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		3.00	25.0	ug/L
108-88-3	Toluene	20.5		0.46	5.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.3		0.72	5.00	ug/L

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VN0904WBSD01		SDG No.:	Q3017
Lab Sample ID:	VN0904WBSD01		Matrix:	Water
Analytical Method:	E624.1		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087716.D	1	09/04/25 12:38	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-01-5	cis-1,3-Dichloropropene	19.5		0.67	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	22.1		0.45	5.00	ug/L
591-78-6	2-Hexanone	92.7		3.20	25.0	ug/L
124-48-1	Dibromochloromethane	21.1		0.66	5.00	ug/L
106-93-4	1,2-Dibromoethane	20.2		0.56	5.00	ug/L
127-18-4	Tetrachloroethene	21.9		0.84	5.00	ug/L
108-90-7	Chlorobenzene	20.4		0.47	5.00	ug/L
100-41-4	Ethyl Benzene	19.8		0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	39.4		1.30	10.0	ug/L
95-47-6	o-Xylene	19.3		0.67	5.00	ug/L
100-42-5	Styrene	19.3		0.72	5.00	ug/L
75-25-2	Bromoform	20.0		0.94	5.00	ug/L
98-82-8	Isopropylbenzene	20.3		0.78	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.2		0.44	5.00	ug/L
108-67-8	1,3,5-Trimethylbenzene	20.1		0.59	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	21.7		0.67	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.7		0.81	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	21.6		0.67	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.2		0.86	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.8		1.00	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.8		1.10	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	27.8		91 - 110	93%	SPK: 30
2037-26-5	Toluene-d8	29.7		91 - 112	99%	SPK: 30
460-00-4	4-Bromofluorobenzene	28.5		63 - 112	95%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	47000	7.794			
540-36-3	1,4-Difluorobenzene	246000	9.082			
3114-55-4	Chlorobenzene-d5	223000	11.847			

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	VN0904WBSD01		SDG No.:	Q3017
Lab Sample ID:	VN0904WBSD01		Matrix:	Water
Analytical Method:	E624.1		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087716.D	1	09/04/25 12:38	VN090425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:	<u>Alliance</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3017</u>
Instrument ID:	<u>MSVOA_N</u>	Calibration Date(s):	<u>08/05/2025</u> <u>08/05/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Calibration Time(s):	<u>13:37</u> <u>15:01</u>
GC Column:	<u>RXI-624</u> ID: <u>0.25</u> (mm)		

LAB FILE ID:	RRF005 = VN087452.D		RRF020 = VN087453.D		RRF050 = VN087454.D		RRF100 = VN087455.D		RRF150 = VN087456.D		RRF =	
COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	RRF	% RSD				
Dichlorodifluoromethane	1.779	2.065	1.842	2.012	2.094		1.959	7.1				
Chloromethane	1.994	2.165	1.805	1.983	2.101		2.010	6.8				
Vinyl Chloride	2.092	2.289	1.905	2.161	2.210		2.131	6.8				
Bromomethane	1.027	1.160	1.070	1.220	1.291		1.154	9.3				
Chloroethane	1.413	1.441	1.211	1.381	1.427		1.374	6.8				
Trichlorofluoromethane	3.231	3.208	2.715	3.043	3.141		3.067	6.9				
1,1,2-Trichlorotrifluoroethane	1.716	1.591	1.388	1.528	1.598		1.564	7.7				
1,1-Dichloroethene	1.704	1.730	1.440	1.616	1.725		1.643	7.5				
Acetone	0.421	0.418	0.335	0.356	0.361		0.378	10.3				
Carbon Disulfide	5.413	5.176	4.534	5.095	5.266		5.097	6.6				
Methyl tert-Butyl Ether	7.611	7.656	6.765	7.529	7.874		7.487	5.7				
Methyl Acetate	2.942	3.094	2.763	3.128	3.234		3.032	6.1				
Methylene Chloride	2.274	2.168	1.887	2.100	2.148		2.115	6.7				
trans-1,2-Dichloroethene	2.081	2.014	1.729	1.927	2.019		1.954	7				
1,1-Dichloroethane	3.979	4.147	3.567	3.949	4.076		3.944	5.7				
Cyclohexane	0.573	0.582	0.517	0.581	0.581		0.567	4.9				
2-Butanone	0.377	0.365	0.334	0.365	0.363		0.361	4.5				
Carbon Tetrachloride	0.536	0.520	0.474	0.527	0.535		0.518	4.9				
cis-1,2-Dichloroethene	2.477	2.499	2.149	2.403	2.493		2.404	6.1				
Chloroform	4.236	4.223	3.738	4.105	4.280		4.116	5.4				
1,1,1-Trichloroethane	0.651	0.618	0.571	0.636	0.645		0.624	5.2				
Methylcyclohexane	0.603	0.572	0.512	0.576	0.575		0.568	5.9				
Benzene	1.608	1.540	1.410	1.580	1.584		1.545	5.1				
1,2-Dichloroethane	0.661	0.636	0.564	0.626	0.634		0.624	5.8				
Trichloroethene	0.355	0.345	0.311	0.344	0.346		0.340	5				
1,2-Dichloropropane	0.422	0.401	0.358	0.399	0.400		0.396	6				
Bromodichloromethane	0.662	0.606	0.561	0.623	0.634		0.617	6				
4-Methyl-2-Pentanone	0.813	0.802	0.713	0.780	0.751		0.772	5.3				
Toluene	1.975	1.905	1.689	1.854	1.835		1.852	5.7				
t-1,3-Dichloropropene	0.676	0.663	0.618	0.700	0.702		0.672	5.1				

* 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.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: <u>Alliance</u>	Contract: <u>TETR06</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q3017</u>
Instrument ID: <u>MSVOA_N</u>	Calibration Date(s): <u>08/05/2025</u> <u>08/05/2025</u>
Heated Purge: (Y/N) <u>N</u>	Calibration Time(s): <u>13:37</u> <u>15:01</u>
GC Column: <u>RXI-624</u> ID: <u>0.25</u> (mm)	

LAB FILE ID: RRF005 = VN087452.D RRF020 = VN087453.D RRF050 = VN087454.D RRF100 = VN087455.D RRF150 = VN087456.D RRF =								
COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	RRF	% RSD
cis-1,3-Dichloropropene	0.687	0.664	0.629	0.696	0.704		0.676	4.5
1,1,2-Trichloroethane	0.385	0.375	0.344	0.386	0.388		0.375	4.9
2-Hexanone	0.484	0.527	0.504	0.561	0.545		0.524	5.9
Dibromochloromethane	0.427	0.424	0.402	0.455	0.460		0.434	5.5
1,2-Dibromoethane	0.401	0.400	0.364	0.414	0.413		0.399	5.1
Tetrachloroethene	0.320	0.292	0.270	0.290	0.289		0.292	6.1
Chlorobenzene	1.218	1.156	1.030	1.149	1.135		1.138	6
Ethyl Benzene	2.154	2.115	1.892	2.094	2.064		2.064	4.9
m/p-Xylenes	0.796	0.768	0.702	0.768	0.753		0.758	4.6
o-Xylene	0.791	0.754	0.681	0.756	0.745		0.745	5.4
Styrene	1.257	1.295	1.182	1.323	1.307		1.273	4.4
Bromoform	0.268	0.276	0.268	0.310	0.312		0.287	7.8
Isopropylbenzene	1.938	1.936	1.729	1.947	1.916		1.893	4.9
1,1,2,2-Tetrachloroethane	0.692	0.679	0.590	0.654	0.628		0.649	6.3
1,3,5-Trimethylbenzene	1.705	1.661	1.495	1.646	1.599		1.621	4.9
1,3-Dichlorobenzene	0.874	0.853	0.777	0.847	0.828		0.836	4.4
1,4-Dichlorobenzene	0.884	0.870	0.790	0.858	0.835		0.847	4.4
1,2-Dichlorobenzene	0.812	0.819	0.750	0.814	0.794		0.798	3.6
1,2-Dibromo-3-Chloropropane	0.173	0.170	0.149	0.166	0.164		0.164	5.7
1,2,4-Trichlorobenzene	0.495	0.478	0.435	0.486	0.490		0.477	5
1,2,3-Trichlorobenzene	0.495	0.478	0.435	0.486	0.490		0.477	5
1,2-Dichloroethane-d4	2.772	2.838	2.776	2.704	2.746		2.767	1.8
Toluene-d8	1.413	1.382	1.386	1.386	1.336		1.380	2
4-Bromofluorobenzene	0.512	0.520	0.522	0.520	0.508		0.516	1.1

* 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.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3017</u>
Instrument ID:	<u>MSVOA_N</u>	Calibration Date/Time:	<u>09/04/2025</u> <u>10:54</u>
Lab File ID:	<u>VN087714.D</u>	Init. Calib. Date(s):	<u>08/05/2025</u> <u>08/05/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>13:37</u> <u>15:01</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	1.959	1.866		-4.75	
Chloromethane	2.010	1.986		-1.19	
Vinyl Chloride	2.131	2.243	0.1	5.26	
Bromomethane	1.154	1.401	0.1	21.4	
Chloroethane	1.374	1.554		13.1	
Trichlorofluoromethane	3.067	3.309		7.89	
1,1,2-Trichlorotrifluoroethane	1.564	1.932		23.53	
1,1-Dichloroethene	1.643	1.813	0.1	10.35	
Acetone	0.378	0.415		9.79	
Carbon Disulfide	5.097	4.692		-7.95	
Methyl tert-Butyl Ether	7.487	6.633		-11.41	
Methyl Acetate	3.032	3.414		12.6	
Methylene Chloride	2.115	2.111		-0.19	
trans-1,2-Dichloroethene	1.954	1.795		-8.14	
1,1-Dichloroethane	3.944	3.822	0.2	-3.09	
Cyclohexane	0.567	0.533		-6	
2-Butanone	0.361	0.349		-3.32	
Carbon Tetrachloride	0.518	0.535	0.1	3.28	
cis-1,2-Dichloroethene	2.404	2.299		-4.37	
Chloroform	4.116	4.110	0.2	-0.15	
1,1,1-Trichloroethane	0.624	0.649	0.1	4.01	
Methylcyclohexane	0.568	0.516		-9.15	
Benzene	1.545	1.589	0.5	2.85	
1,2-Dichloroethane	0.624	0.634	0.1	1.6	
Trichloroethene	0.340	0.353	0.3	3.82	
1,2-Dichloropropane	0.396	0.424		7.07	
Bromodichloromethane	0.617	0.630	0.2	2.11	
4-Methyl-2-Pentanone	0.772	0.767		-0.65	
Toluene	1.852	1.893	0.4	2.21	
t-1,3-Dichloropropene	0.672	0.655	0.1	-2.53	
cis-1,3-Dichloropropene	0.676	0.679	0.2	0.44	
1,1,2-Trichloroethane	0.375	0.414	0.1	10.4	
2-Hexanone	0.524	0.501		-4.39	
Dibromochloromethane	0.434	0.444	0.1	2.3	
1,2-Dibromoethane	0.399	0.402		0.75	
Tetrachloroethene	0.292	0.310	0.2	6.16	
Chlorobenzene	1.138	1.183	0.5	3.95	
Ethyl Benzene	2.064	2.036	0.1	-1.36	

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3017</u>
Instrument ID:	<u>MSVOA_N</u>	Calibration Date/Time:	<u>09/04/2025</u> <u>10:54</u>
Lab File ID:	<u>VN087714.D</u>	Init. Calib. Date(s):	<u>08/05/2025</u> <u>08/05/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>13:37</u> <u>15:01</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
m/p-Xylenes	0.758	0.763	0.3	0.66	
o-Xylene	0.745	0.703	0.3	-5.64	
Styrene	1.273	1.239	0.3	-2.67	
Bromoform	0.287	0.279	0.1	-2.79	
Isopropylbenzene	1.893	1.852		-2.17	
1,1,2,2-Tetrachloroethane	0.649	0.708	0.3	9.09	
1,3,5-Trimethylbenzene	1.621	1.616		-0.31	
1,3-Dichlorobenzene	0.836	0.893	0.2	6.82	
1,4-Dichlorobenzene	0.847	0.928	0.2	9.56	
1,2-Dichlorobenzene	0.798	0.850	0.2	6.52	
1,2-Dibromo-3-Chloropropane	0.164	0.148		-9.76	
1,2,4-Trichlorobenzene	0.477	0.473	0.2	-0.84	
1,2,3-Trichlorobenzene	0.477	0.473		-0.84	
1,2-Dichloroethane-d4	2.767	2.576	0.01	-6.9	
Toluene-d8	1.380	1.399	0.01	1.38	
4-Bromofluorobenzene	0.516	0.504	0.2	-2.33	

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3017</u>
Instrument ID:	<u>MSVOA_N</u>	Calibration Date/Time:	<u>09/04/2025 15:21</u>
Lab File ID:	<u>VN087723.D</u>	Init. Calib. Date(s):	<u>08/05/2025 08/05/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>13:37 15:01</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	1.959	1.834		-6.38	50
Chloromethane	2.010	1.897		-5.62	50
Vinyl Chloride	2.131	2.066	0.1	-3.05	50
Bromomethane	1.154	1.459	0.1	26.43	50
Chloroethane	1.374	1.536		11.79	50
Trichlorofluoromethane	3.067	3.312		7.99	50
1,1,2-Trichlorotrifluoroethane	1.564	1.899		21.42	50
1,1-Dichloroethene	1.643	1.893	0.1	15.22	50
Acetone	0.378	0.360		-4.76	50
Carbon Disulfide	5.097	4.471		-12.28	50
Methyl tert-Butyl Ether	7.487	6.600		-11.85	50
Methyl Acetate	3.032	3.303		8.94	50
Methylene Chloride	2.115	2.044		-3.36	50
trans-1,2-Dichloroethene	1.954	1.833		-6.19	50
1,1-Dichloroethane	3.944	3.832	0.2	-2.84	50
Cyclohexane	0.567	0.572		0.88	50
2-Butanone	0.361	0.359		-0.55	50
Carbon Tetrachloride	0.518	0.552	0.1	6.56	50
cis-1,2-Dichloroethene	2.404	2.228		-7.32	50
Chloroform	4.116	4.038	0.2	-1.89	50
1,1,1-Trichloroethane	0.624	0.682	0.1	9.3	50
Methylcyclohexane	0.568	0.521		-8.27	50
Benzene	1.545	1.651	0.5	6.86	50
1,2-Dichloroethane	0.624	0.631	0.1	1.12	50
Trichloroethene	0.340	0.381	0.3	12.06	50
1,2-Dichloropropane	0.396	0.430		8.59	50
Bromodichloromethane	0.617	0.664	0.2	7.62	50
4-Methyl-2-Pentanone	0.772	0.785		1.68	50
Toluene	1.852	1.895	0.4	2.32	50
t-1,3-Dichloropropene	0.672	0.654	0.1	-2.68	50
cis-1,3-Dichloropropene	0.676	0.678	0.2	0.3	50
1,1,2-Trichloroethane	0.375	0.420	0.1	12	50
2-Hexanone	0.524	0.496		-5.34	50
Dibromochloromethane	0.434	0.481	0.1	10.83	50
1,2-Dibromoethane	0.399	0.423		6.01	50
Tetrachloroethene	0.292	0.328	0.2	12.33	50
Chlorobenzene	1.138	1.179	0.5	3.6	50
Ethyl Benzene	2.064	2.011	0.1	-2.57	50

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3017</u>
Instrument ID:	<u>MSVOA_N</u>	Calibration Date/Time:	<u>09/04/2025 15:21</u>
Lab File ID:	<u>VN087723.D</u>	Init. Calib. Date(s):	<u>08/05/2025 08/05/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>13:37 15:01</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
m/p-Xylenes	0.758	0.747	0.3	-1.45	50
o-Xylene	0.745	0.743	0.3	-0.27	50
Styrene	1.273	1.265	0.3	-0.63	50
Bromoform	0.287	0.293	0.1	2.09	50
Isopropylbenzene	1.893	1.855		-2.01	50
1,1,2,2-Tetrachloroethane	0.649	0.703	0.3	8.32	50
1,3,5-Trimethylbenzene	1.621	1.619		-0.12	50
1,3-Dichlorobenzene	0.836	0.917	0.2	9.69	50
1,4-Dichlorobenzene	0.847	0.935	0.2	10.39	50
1,2-Dichlorobenzene	0.798	0.896	0.2	12.28	50
1,2-Dibromo-3-Chloropropane	0.164	0.157		-4.27	50
1,2,4-Trichlorobenzene	0.477	0.493	0.2	3.35	50
1,2,3-Trichlorobenzene	0.477	0.493		3.35	50
1,2-Dichloroethane-d4	2.767	2.506	0.01	-9.43	50
Toluene-d8	1.380	1.388	0.01	0.58	50
4-Bromofluorobenzene	0.516	0.489	0.2	-5.23	50

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

LAB CHRONICLE

OrderID:	Q3017	OrderDate:	9/4/2025 10:17:00 AM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	J12,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3017-02	TT-076-IDWGW-2025 0903	WATER			09/03/25			09/04/25
			PCB	8082A		09/04/25	09/05/25	
Q3017-03	TT-077-IDWGW-2025 0903	WATER			09/03/25			09/04/25
			PCB	8082A		09/04/25	09/05/25	
Q3017-04	TT-078-IDWGW-2025 0903	WATER			09/03/25			09/04/25
			PCB	8082A		09/04/25	09/05/25	
Q3017-05	TT-079-IDWGW-2025 0903	WATER			09/03/25			09/04/25
			PCB	8082A		09/04/25	09/05/25	



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

Hit Summary Sheet
SW-846

SDG No.: Q3017

Order ID: Q3017

Client: Tetra Tech NUS, Inc.

Project ID: NWIRP Bethpage 112G08005-WE13

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

Total Concentration: 0.000

A
B
C
D
E
F
G



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/04/25	
Client Sample ID:	TT-076-IDWGW-20250903		SDG No.:	Q3017	
Lab Sample ID:	Q3017-02		Matrix:	WATER	
Analytical Method:	8082A		% 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
PP074893.D	1	09/04/25 11:05	09/05/25 11:30	PB169547

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	20.8		35 - 137		104%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.3		40 - 135		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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/04/25	
Client Sample ID:	TT-077-IDWGW-20250903		SDG No.:	Q3017	
Lab Sample ID:	Q3017-03		Matrix:	WATER	
Analytical Method:	8082A		% 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
PP074894.D	1	09/04/25 11:05	09/05/25 11:46	PB169547

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	18.6		35 - 137		93%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.2		40 - 135		101%	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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/04/25	
Client Sample ID:	TT-078-IDWGW-20250903		SDG No.:	Q3017	
Lab Sample ID:	Q3017-04		Matrix:	WATER	
Analytical Method:	8082A		% 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
PP074895.D	1	09/04/25 11:05	09/05/25 12:02	PB169547

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	21.4		35 - 137		107%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.2		40 - 135		91%	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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/03/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/04/25	
Client Sample ID:	TT-079-IDWGW-20250903		SDG No.:	Q3017	
Lab Sample ID:	Q3017-05		Matrix:	WATER	
Analytical Method:	8082A		% 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
PP074896.D	1	09/04/25 11:05	09/05/25 12:19	PB169547

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	24.9		35 - 137		124%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.5		40 - 135		103%	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

Surrogate Summary

SDG No.: Q3017

Client: Tetra Tech NUS, Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PO113002.D	PIBLK-PO113002.D	Tetrachloro-m-xyl	1	20	16.6	83		60	140
		Decachlorobiphen	1	20	17.2	86		60	140
		Tetrachloro-m-xyl	2	20	16.9	84		60	140
		Decachlorobiphen	2	20	18.1	91		60	140
I.BLK-PO113482.D	PIBLK-PO113482.D	Tetrachloro-m-xyl	1	20	18.8	94		60	140
		Decachlorobiphen	1	20	17.8	89		60	140
		Tetrachloro-m-xyl	2	20	18.2	91		60	140
		Decachlorobiphen	2	20	19.4	97		60	140
PB169547BL	PB169547BL	Tetrachloro-m-xyl	1	20	20.4	102		35	137
		Decachlorobiphen	1	20	18.9	95		40	135
		Tetrachloro-m-xyl	2	20	19.5	97		35	137
		Decachlorobiphen	2	20	20.6	103		40	135
PB169547BS	PB169547BS	Tetrachloro-m-xyl	1	20	20.2	101		35	137
		Decachlorobiphen	1	20	19.4	97		40	135
		Tetrachloro-m-xyl	2	20	19.2	96		35	137
		Decachlorobiphen	2	20	21.3	106		40	135
PB169547BSD	PB169547BSD	Tetrachloro-m-xyl	1	20	19.6	98		35	137
		Decachlorobiphen	1	20	18.8	94		40	135
		Tetrachloro-m-xyl	2	20	18.6	93		35	137
		Decachlorobiphen	2	20	20.5	102		40	135
I.BLK-PO113492.D	PIBLK-PO113492.D	Tetrachloro-m-xyl	1	20	19.6	98		60	140
		Decachlorobiphen	1	20	18.9	94		60	140
		Tetrachloro-m-xyl	2	20	18.6	93		60	140
		Decachlorobiphen	2	20	20.2	101		60	140
I.BLK-PP074490.D	PIBLK-PP074490.D	Tetrachloro-m-xyl	1	20	17.8	89		60	140
		Decachlorobiphen	1	20	18.2	91		60	140
		Tetrachloro-m-xyl	2	20	15.7	78		60	140
		Decachlorobiphen	2	20	16.9	85		60	140
I.BLK-PP074887.D	PIBLK-PP074887.D	Tetrachloro-m-xyl	1	20	18.0	90		60	140
		Decachlorobiphen	1	20	17.6	88		60	140
		Tetrachloro-m-xyl	2	20	16.6	83		60	140
		Decachlorobiphen	2	20	14.3	72		60	140
Q3017-02	TT-076-IDWGW-20250903	Tetrachloro-m-xyl	1	20	20.8	104		35	137
		Decachlorobiphen	1	20	19.3	97		40	135
		Tetrachloro-m-xyl	2	20	20.8	104		35	137
		Decachlorobiphen	2	20	15.9	80		40	135
Q3017-03	TT-077-IDWGW-20250903	Tetrachloro-m-xyl	1	20	18.6	93		35	137
		Decachlorobiphen	1	20	20.2	101		40	135
		Tetrachloro-m-xyl	2	20	18.3	91		35	137
		Decachlorobiphen	2	20	16.9	84		40	135
Q3017-04	TT-078-IDWGW-20250903	Tetrachloro-m-xyl	1	20	20.3	102		35	137

Surrogate Summary

SDG No.: Q3017

Client: Tetra Tech NUS, Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
Q3017-04	TT-078-IDWGW-20250903	Decachlorobiphen	1	20	18.2	91		40	135
		Tetrachloro-m-xyl	2	20	21.4	107		35	137
		Decachlorobiphen	2	20	14.7	73		40	135
Q3017-05	TT-079-IDWGW-20250903	Tetrachloro-m-xyl	1	20	21.0	105		35	137
		Decachlorobiphen	1	20	20.5	103		40	135
		Tetrachloro-m-xyl	2	20	24.9	124		35	137
		Decachlorobiphen	2	20	17.2	86		40	135
I.BLK-PP074898.D	PIBLK-PP074898.D	Tetrachloro-m-xyl	1	20	17.7	88		60	140
		Decachlorobiphen	1	20	17.2	86		60	140
		Tetrachloro-m-xyl	2	20	15.6	78		60	140
		Decachlorobiphen	2	20	13.9	70		60	140

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3017</u>	Analytical Method:	<u>8082A</u>
Client:	<u>Tetra Tech NUS, Inc.</u>	Datafile :	<u>PO113484.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB169547BS (Column 1)	AR1016	5	4.70	ug/L	94				46	129	
	AR1260	5	4.50	ug/L	90				45	134	
PB169547BS (Column 2)	AR1016	5	4.40	ug/L	88				46	129	
	AR1260	5	3.90	ug/L	78				45	134	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3017</u>	Analytical Method:	<u>8082A</u>
Client:	<u>Tetra Tech NUS, Inc.</u>	Datafile :	<u>PO113485.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB169547BSD (Column 1)	AR1016	5	4.70	ug/L	94	0			46	129	20
	AR1260	5	4.30	ug/L	86	5			45	134	20
PB169547BSD (Column 2)	AR1016	5	4.30	ug/L	86	2			46	129	20
	AR1260	5	3.80	ug/L	76	3			45	134	20

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB169547BL

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q3017

Lab Sample ID: PB169547BL

Lab File ID: PO113483.D

Matrix: (soil/water) WATER

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 09/04/2025

Date Analyzed (1): 09/04/2025

Date Analyzed (2): 09/04/2025

Time Analyzed (1): 20:56

Time Analyzed (2): 20:56

Instrument ID (1): ECD_O

Instrument ID (2): ECD_O

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
PB169547BS	PB169547BS	PO113484.D	09/04/2025	09/04/2025
PB169547BSD	PB169547BSD	PO113485.D	09/04/2025	09/04/2025
TT-076-IDWGW-20250903	Q3017-02	PP074893.D	09/05/2025	09/05/2025
TT-077-IDWGW-20250903	Q3017-03	PP074894.D	09/05/2025	09/05/2025
TT-078-IDWGW-20250903	Q3017-04	PP074895.D	09/05/2025	09/05/2025
TT-079-IDWGW-20250903	Q3017-05	PP074896.D	09/05/2025	09/05/2025

COMMENTS: _____



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q3017

Instrument ID: ECD_O

Calibration Date(s): **08/18/2025** **08/18/2025**

Calibration Times: 09:53 18:24

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

LAB FILE ID:	RT 1000 =	<u>PO113003.D</u>	RT 750 =	<u>PO113004.D</u>	
RT 500 =	PO113005.D	RT 250 =	PO113006.D	RT 050 =	PO113007.D

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.68	8.68	8.68	8.68	8.68	8.68	8.58	8.78
Tetrachloro-m-xylene	3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76

A

B

C

D

E

F

G

A
B
C
D
E
F
G

Contract: TETR06

SDG NO.: Q3017

Calibration Date(s): **08/18/2025** **08/18/2025**

Calibration Times: 09:53 18:24

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

LAB FILE ID:		RT 1000 =	<u>PO113003.D</u>	RT 750 =	<u>PO113004.D</u>
RT 500 =	PO113005.D	RT 250 =	PO113006.D	RT 050 =	PO113007.D

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.63	8.63	8.63	8.63	8.63	8.63	8.53	8.73
Tetrachloro-m-xylene	3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76

A
B
C
D
E
F
G

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_O

Contract: TETR06
SDG NO.: Q3017

Calibration Date(s): 08/18/2025 08/18/2025
Calibration Times: 09:53 18:24

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

LAB FILE ID:									
CF 1000 = PO113003.D		CF 750 = PO113004.D		CF 500 = PO113005.D		CF 250 = PO113006.D		CF 050 = PO113007.D	
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD	
Aroclor-1016-1	(1)	255371052	268882561	275934040	276241276	258494960	266984778	4	
Aroclor-1016-2	(2)	386597005	407445280	416148678	417991420	378975420	401431561	4	
Aroclor-1016-3	(3)	240674907	253345352	260103296	260910040	260078600	255022439	3	
Aroclor-1016-4	(4)	200488933	211018755	217396840	218446060	242989580	218068034	7	
Aroclor-1016-5	(5)	201770173	209979241	223743332	226026380	246620380	221627901	8	
Aroclor-1260-1	(1)	410428218	427895784	448350422	466101308	477127140	445980574	6	
Aroclor-1260-2	(2)	647927331	671777743	694591256	718069576	701240300	686721241	4	
Aroclor-1260-3	(3)	589701211	617064005	642929590	643696764	593976440	617473602	4	
Aroclor-1260-4	(4)	414110693	436180457	452681312	475292936	461106740	447874428	5	
Aroclor-1260-5	(5)	1160238835	1200115325	1238734248	1265998100	1188334440	1210684190	3	
Decachlorobiphenyl		6690212690	6905027373	7141319640	7175759920	6744868400	6931437605	3	
Tetrachloro-m-xylene		8029674340	8350369867	8441238500	8370538000	7741099400	8186584021	4	
Aroclor-1242-1	(1)	219003807	233526197	242788968	240725264	213615160	229931879	6	
Aroclor-1242-2	(2)	327976735	344946825	364718188	364178480	316305340	343625114	6	
Aroclor-1242-3	(3)	205275217	218054489	227356174	226343432	232391780	221884218	5	
Aroclor-1242-4	(4)	165269678	175377872	183337550	185157480	158170880	173462692	7	
Aroclor-1242-5	(5)	180656505	196650337	209535050	215724772	198244940	200162321	7	
Decachlorobiphenyl		6983751120	7199555547	7360295780	7264103480	6074426600	6976426505	7	
Tetrachloro-m-xylene		7902542970	8274474280	8655126880	8517047440	6985096600	8066857634	8	
Aroclor-1248-1	(1)	177555092	181269211	184034788	180488664	148983880	174466327	8	
Aroclor-1248-2	(2)	240102006	246360772	247113578	251916636	223835260	241865650	5	
Aroclor-1248-3	(3)	306109229	315711316	329615046	318673876	324209820	318863857	3	
Aroclor-1248-4	(4)	475546851	491209784	508332020	505821844	517111680	499604436	3	
Aroclor-1248-5	(5)	324226410	338835636	348307430	339859680	356228800	341491591	4	
Decachlorobiphenyl		7181659070	7514737493	7570052300	7529287200	6075985600	7174344333	9	
Tetrachloro-m-xylene		8381826150	8547750707	8588948580	8387451840	6708360600	8122867575	10	
Aroclor-1254-1	(1)	499551241	515351475	527161470	563388796	594438580	539978312	7	
Aroclor-1254-2	(2)	454632825	464341571	479773010	512965400	555557200	493454001	8	
Aroclor-1254-3	(3)	711089310	727800197	738817928	777856740	738821820	738877199	3	
Aroclor-1254-4	(4)	533028449	548551808	553178702	579063696	571175320	556999595	3	
Aroclor-1254-5	(5)	687979747	697879139	702021496	740623884	676364320	700973717	3	
Decachlorobiphenyl		7131515840	7330561920	7448714920	7630980560	6693328400	7247020328	5	
Tetrachloro-m-xylene		8126881990	8349680347	8316489120	8586551360	7297838200	8135488203	6	
Aroclor-1268-1	(1)	1761014831	1774598480	1803892944	1840793296	1424143680	1720888646	10	

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	1477166466	1492439849	1517161498	1547779236	1206191000	1448147610	10
Aroclor-1268-3	(3)	1233609752	1245280741	1270713242	1291388356	990581680	1206314754	10
Aroclor-1268-4	(4)	475808490	479214719	476669802	493044724	378582420	460664031	10
Aroclor-1268-5	(5)	3340543820	3334721212	3351512988	3373775928	2541501700	3188411130	11
Decachlorobiphenyl		13573084670	13653631320	13924005880	14188212680	11035945600	13274976030	10
Tetrachloro-m-xylene		8383283840	8466545813	8477460740	8727640480	6548042000	8120594575	11

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_O

Contract: TETR06
SDG NO.: Q3017

Calibration Date(s): 08/18/2025 08/18/2025
Calibration Times: 09:53 18:24

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

LAB FILE ID:		CF 1000 = <u>PO113003.D</u>		CF 750 = <u>PO113004.D</u>				
CF 500 = <u>PO113005.D</u>		CF 250 = <u>PO113006.D</u>		CF 050 = <u>PO113007.D</u>				
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	157648421	166338757	175029528	179513524	174338440	170573734	5
Aroclor-1016-2	(2)	242743120	252380695	260324992	267711416	265120000	257656045	4
Aroclor-1016-3	(3)	126993760	133087225	138404134	144167804	155418980	139614381	8
Aroclor-1016-4	(4)	100459724	106574292	112469896	119612944	144377780	116698927	15
Aroclor-1016-5	(5)	128106279	134710951	142286356	148407360	159139040	142529997	8
Aroclor-1260-1	(1)	228928107	240864928	252574738	272240464	280735880	255068823	8
Aroclor-1260-2	(2)	313918308	328124507	343910348	357024580	385581120	345711773	8
Aroclor-1260-3	(3)	262510074	276701705	293612640	313010736	341333940	297433819	10
Aroclor-1260-4	(4)	185941664	193924396	204255296	207408028	244718200	207249517	11
Aroclor-1260-5	(5)	425960236	439043723	465902736	470000160	541240260	468429423	10
Decachlorobiphenyl		1831064100	1917365987	1985856160	1994289280	1745675200	1894850145	6
Tetrachloro-m-xylene		4916768960	5105759507	5187285900	5153639000	4939804600	5060651593	2
Aroclor-1242-1	(1)	133881576	143118904	152394738	156445124	136681500	144504368	7
Aroclor-1242-2	(2)	203955870	217199904	228051544	234362648	200985900	216911173	7
Aroclor-1242-3	(3)	105689998	114133919	120912152	123685124	120400300	116964299	6
Aroclor-1242-4	(4)	101683397	110649877	117620438	123213288	135019900	117637380	11
Aroclor-1242-5	(5)	136091884	145976403	155166798	162502892	145926680	149132931	7
Decachlorobiphenyl		1868057120	1957140320	2005702880	2020794160	1772529000	1924844696	5
Tetrachloro-m-xylene		4825813680	5071335853	5270165440	5270477280	4505798600	4988718171	7
Aroclor-1248-1	(1)	108471143	113278465	116916398	117022156	101871080	111511848	6
Aroclor-1248-2	(2)	150794660	157713281	163410186	169101272	162475680	160699016	4
Aroclor-1248-3	(3)	159433549	166390719	173042032	176703836	172733300	169660687	4
Aroclor-1248-4	(4)	188271317	195815885	204890460	209017568	198105260	199220098	4
Aroclor-1248-5	(5)	194018440	203934763	211803632	222502412	229222700	212296389	7
Decachlorobiphenyl		1895882940	1980749933	2008729920	2044623040	1730989400	1932195047	6
Tetrachloro-m-xylene		5046994300	5155202453	5203435340	5076525520	4220137200	4940458963	8
Aroclor-1254-1	(1)	288848558	302797836	311612874	336218560	337291100	315353786	7
Aroclor-1254-2	(2)	255015428	266176108	276603524	303614928	300286060	280339210	8
Aroclor-1254-3	(3)	394658183	407977155	416043550	446405672	419527560	416922424	5
Aroclor-1254-4	(4)	258230294	268632580	273598908	289141772	284574380	274835587	5
Aroclor-1254-5	(5)	325480526	337925896	351521312	371760832	400764340	357490581	8
Decachlorobiphenyl		1855582740	1926836507	1973181280	2039405120	1846968600	1928394849	4
Tetrachloro-m-xylene		4911279290	5066835907	5059128600	5241425160	4670568800	4989847551	4
Aroclor-1268-1	(1)	505322959	499938980	529404120	551503232	461152840	509464426	7

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	411828393	408615411	431678690	446034816	378854460	415402354	6
Aroclor-1268-3	(3)	321714437	321009472	339466898	353051976	297302600	326509077	6
Aroclor-1268-4	(4)	120303152	122244828	123085728	129780148	106749080	120432587	7
Aroclor-1268-5	(5)	793658604	796742752	812678858	835111136	666596880	780957646	8
Decachlorobiphenyl		3468678600	3498241200	3592049560	3737387920	2992120000	3457695456	8
Tetrachloro-m-xylene		5091723140	5143743093	5120936720	5368398520	4128952800	4970750855	10

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q3017

Instrument ID: ECD_O Date(s) Analyzed: 08/18/2025 08/18/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.87	3.77	3.97	93573200
		2	3.96	3.86	4.06	67550600
		3	4.04	3.94	4.14	221352000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.04	3.94	4.14	174006000
		2	4.53	4.43	4.63	99852400
		3	4.77	4.67	4.87	189475000
		4	4.94	4.84	5.04	94169600
		5	4.99	4.89	5.09	61943000
Aroclor-1262	500	1	6.79	6.69	6.89	915764000
		2	7.29	7.19	7.39	1512160000
		3	7.58	7.48	7.68	554108000
		4	7.64	7.54	7.74	977968000
		5	8.14	8.04	8.24	416878000

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q3017

Instrument ID: ECD_O Date(s) Analyzed: 08/18/2025 08/18/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.86	3.76	3.96	63121200
		2	3.95	3.85	4.05	46673200
		3	4.02	3.92	4.12	148475000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.02	3.92	4.12	117403000
		2	4.75	4.65	4.85	122545000
		3	4.92	4.82	5.02	63345600
		4	5.01	4.91	5.11	56221200
		5	5.18	5.08	5.28	59863600
Aroclor-1262	500	1	6.76	6.66	6.86	414614000
		2	7.26	7.16	7.36	517670000
		3	7.54	7.44	7.64	179590000
		4	7.60	7.50	7.70	289902000
		5	8.09	7.99	8.19	108331000

A
B
C
D
E
F
G

Contract: TETR06

SDG NO.: Q3017

Calibration Date(s): 08/19/2025 08/19/2025

Calibration Times: 10:02 17:36

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

LAB FILE ID:		RT 1000 =	<u>PP074491.D</u>	RT 750 =	<u>PP074492.D</u>
RT 500 =	PP074493.D	RT 250 =	PP074494.D	RT 050 =	PP074495.D

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.43	10.44	10.43	10.44	10.43	10.43	10.33	10.53
Tetrachloro-m-xylene	4.66	4.66	4.66	4.66	4.66	4.66	4.56	4.76

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Contract: TETR06

SDG NO.: Q3017

Calibration Date(s): 08/19/2025 08/19/2025

Calibration Times: 10:02 17:36

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

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.81	8.82	8.81	8.82	8.81	8.82	8.72	8.92
Tetrachloro-m-xylene	3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90

A

B

C

D

E

F

G

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_P

Contract: TETR06
SDG NO.: Q3017

Calibration Date(s): 08/19/2025 08/19/2025
Calibration Times: 10:02 17:36

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

LAB FILE ID:		CF 1000 = <u>PP074491.D</u>		CF 750 = <u>PP074492.D</u>			
CF 500 = <u>PP074493.D</u>		CF 250 = <u>PP074494.D</u>		CF 050 = <u>PP074495.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	37260672	39165227	41840274	46667524	55510560	44088851
Aroclor-1016-2	(2)	55294208	58678316	63208216	69200552	67826880	62841634
Aroclor-1016-3	(3)	37159554	39829409	42380342	50420568	54779780	44913931
Aroclor-1016-4	(4)	30238509	32061391	34848388	39362172	39398600	35181812
Aroclor-1016-5	(5)	29225854	30645948	33029644	36469124	36559780	33186070
Aroclor-1260-1	(1)	48563391	51183833	55342410	61530012	72427960	57809521
Aroclor-1260-2	(2)	57520052	60697599	66234840	73517872	86617000	68917473
Aroclor-1260-3	(3)	45466412	48231029	50486582	57234216	58008180	51885284
Aroclor-1260-4	(4)	53945139	57153024	61763720	67649864	78452080	63792765
Aroclor-1260-5	(5)	98135607	102882747	108313414	117775440	139953440	113412130
Decachlorobiphenyl		866337170	921955053	988573200	1058849640	1101835800	987510173
Tetrachloro-m-xylene		1100953570	1143235467	1200713680	1268558320	1404991400	1223690487
Aroclor-1242-1	(1)	33534775	35196259	38660790	41241740	42742440	38275201
Aroclor-1242-2	(2)	50582395	52453757	57915216	62104248	59354260	56481975
Aroclor-1242-3	(3)	33349694	35414635	39970066	43883972	50396180	40602909
Aroclor-1242-4	(4)	27192200	28632309	31894696	35816444	35173600	31741850
Aroclor-1242-5	(5)	29731727	30733847	34626980	38850892	46409580	36070605
Decachlorobiphenyl		942571090	998560827	1090308640	1132992280	1083717600	1049630087
Tetrachloro-m-xylene		1101623960	1151320933	1235361060	1272027120	1278388200	1207744255
Aroclor-1248-1	(1)	26825393	28405716	30845872	34074380	30968720	30224016
Aroclor-1248-2	(2)	37601198	39897476	43211686	48783724	45986180	43096053
Aroclor-1248-3	(3)	41457218	43776155	46817460	51955424	49511780	46703607
Aroclor-1248-4	(4)	47576379	50895647	54418430	60667104	61446460	55000804
Aroclor-1248-5	(5)	47007884	50058825	54098864	61916308	64270400	55470456
Decachlorobiphenyl		950993890	1009223920	1071012460	1167985200	1057373600	1051317814
Tetrachloro-m-xylene		1100991950	1146778960	1200566400	1276972480	1211462000	1187354358
Aroclor-1254-1	(1)	48507797	53598960	57022412	63560864	68657180	58269443
Aroclor-1254-2	(2)	68997007	73735961	79493314	88136784	97716940	81616001
Aroclor-1254-3	(3)	75433146	80269064	85469286	94710248	110150500	89206449
Aroclor-1254-4	(4)	56817907	60256557	64375914	71178004	76939600	65913596
Aroclor-1254-5	(5)	71518563	76344344	81241680	89300320	97020080	83084997
Decachlorobiphenyl		955810170	985159667	1046715980	1146118200	1185105200	1063781843
Tetrachloro-m-xylene		1074895520	1124737840	1186244600	1279770240	1364835400	1206096720
Aroclor-1268-1	(1)	145382221	149256528	159799060	175238264	180520060	162039227

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	135128903	138304824	147968774	161072492	151211120	146737223	7
Aroclor-1268-3	(3)	112837949	115383373	124401538	134921752	130382340	123585390	8
Aroclor-1268-4	(4)	60062429	62288615	69185966	72327472	72450180	67262932	9
Aroclor-1268-5	(5)	347935374	352387180	372266714	396976848	381293520	370171927	6
Decachlorobiphenyl		1643122860	1684754733	1816495060	1968851320	1846466800	1791938155	7
Tetrachloro-m-xylene		1139511630	1162795853	1215559280	1293072360	1185938800	1199375585	5

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_P

Contract: TETR06
SDG NO.: Q3017

Calibration Date(s): 08/19/2025 08/19/2025
Calibration Times: 10:02 17:36

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

LAB FILE ID: <u>PP074491.D</u> CF 1000 = <u>PP074491.D</u> CF 750 = <u>PP074492.D</u> CF 500 = <u>PP074493.D</u> CF 250 = <u>PP074494.D</u> CF 050 = <u>PP074495.D</u>							
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	496657182	503720793	523846228	513002896	509541900	2
Aroclor-1016-2	(2)	239168801	238546505	246638078	251142512	214580920	6
Aroclor-1016-3	(3)	133036564	130124845	144330606	141427600	140598400	4
Aroclor-1016-4	(4)	133477489	138002388	140534852	142183668	144817800	3
Aroclor-1016-5	(5)	154126731	152599703	155237916	163343428	205109040	13
Aroclor-1260-1	(1)	363284667	378829761	386185190	382321000	365496040	3
Aroclor-1260-2	(2)	523788027	519029669	530795266	515617580	554844180	3
Aroclor-1260-3	(3)	397906310	403814531	425344812	411965640	525972600	12
Aroclor-1260-4	(4)	386647802	396528909	406788188	382587548	334816920	7
Aroclor-1260-5	(5)	1072036571	1049469899	1040494106	1005914236	854489880	9
Decachlorobiphenyl		7534332740	7444555573	7912532780	7690082000	6914466800	5
Tetrachloro-m-xylene		5208096140	5362153787	4998687000	4783674480	3824485800	13
Aroclor-1242-1	(1)	426248141	431977179	439434088	427078864	384025660	5
Aroclor-1242-2	(2)	202991737	207389804	208837132	204363608	177830640	6
Aroclor-1242-3	(3)	114667914	119000831	118474420	125754936	113593040	4
Aroclor-1242-4	(4)	162797331	159395943	169924744	169924792	193754480	8
Aroclor-1242-5	(5)	176244820	193149587	194953880	198727516	162744820	8
Decachlorobiphenyl		7439485810	7647320840	7750380960	7387148800	6696994000	6
Tetrachloro-m-xylene		5552255470	5495660120	5265795020	4718643160	3344536200	19
Aroclor-1248-1	(1)	276787529	272989900	294110190	287515664	249311100	6
Aroclor-1248-2	(2)	170428062	176978340	184167818	188684076	163519180	6
Aroclor-1248-3	(3)	216883105	236968729	226037212	232782684	223345400	3
Aroclor-1248-4	(4)	216013976	222165432	229596264	221937152	200392380	5
Aroclor-1248-5	(5)	365899980	378186867	386596360	393195048	312731540	9
Decachlorobiphenyl		7362170440	7623348680	7832285760	7830414120	6177033600	9
Tetrachloro-m-xylene		4921775200	5272375827	4922615420	4754396920	3067777000	19
Aroclor-1254-1	(1)	450774429	460491156	493889042	479687392	498710100	4
Aroclor-1254-2	(2)	327603431	350278748	349528710	357585716	375666820	5
Aroclor-1254-3	(3)	632195702	651991325	663558136	626254444	525027180	9
Aroclor-1254-4	(4)	465715221	475856425	494623526	472743392	434193620	5
Aroclor-1254-5	(5)	494049062	518095117	499208524	513687428	427465960	7
Decachlorobiphenyl		7570292860	7622860640	7575883760	7671178000	7261560400	2
Tetrachloro-m-xylene		5083198010	4906330680	4979033200	4619762640	3271378000	16
Aroclor-1268-1	(1)	1582015639	1422598329	1546826516	1453362868	1047671520	15

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	1588231016	1429840941	1442651986	1413308564	943104640	1363427429	18
Aroclor-1268-3	(3)	1131064358	1100247001	1123773528	1077394544	783689900	1043233866	14
Aroclor-1268-4	(4)	433982459	417630531	415097948	393627672	255142820	383096286	19
Aroclor-1268-5	(5)	3414138804	3322863425	3420880908	3301062668	2221751820	3136139525	16
Decachlorobiphenyl		14390930480	14121362587	14413340360	14318679160	10749496600	13598761837	12
Tetrachloro-m-xylene		5211020900	5014233547	4937082600	4815562400	3041581600	4603896209	19

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q3017

Instrument ID: ECD_P Date(s) Analyzed: 08/19/2025 08/19/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.85	4.75	4.95	17592800
		2	4.94	4.84	5.04	13357200
		3	5.02	4.92	5.12	37912800
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	5.02	4.92	5.12	30374000
		2	5.54	5.44	5.64	15758200
		3	5.83	5.73	5.93	30543600
		4	5.99	5.89	6.09	17269300
		5	6.08	5.98	6.18	12981000
Aroclor-1262	500	1	8.24	8.14	8.34	77016000
		2	8.57	8.47	8.67	132381000
		3	8.89	8.79	8.99	97212400
		4	8.98	8.88	9.08	75330400
		5	9.65	9.55	9.75	60956200

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q3017

Instrument ID: ECD_P Date(s) Analyzed: 08/19/2025 08/19/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.01	3.91	4.11	61867400
		2	4.10	4.00	4.20	45212000
		3	4.17	4.07	4.27	164294000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.17	4.07	4.27	128095000
		2	4.90	4.80	5.00	231794000
		3	5.08	4.98	5.18	60059800
		4	5.16	5.06	5.26	73707400
		5	5.33	5.23	5.43	62083800
Aroclor-1262	500	1	6.92	6.82	7.02	707260000
		2	7.18	7.08	7.28	520714000
		3	7.70	7.60	7.80	466296000
		4	7.76	7.66	7.86	821860000
		5	8.26	8.16	8.36	358310000

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q3017

Continuing Calib Date: 09/04/2025

Initial Calibration Date(s): 08/18/2025 08/18/2025

Continuing Calib Time: 18:49

Initial Calibration Time(s): 09:53 18:24

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-2	(2)	4.76	4.77	4.67	4.87	0.01
Aroclor-1016-3	(3)	4.82	4.82	4.72	4.92	0.00
Aroclor-1016-4	(4)	4.94	4.94	4.84	5.04	0.00
Aroclor-1016-5	(5)	5.19	5.20	5.10	5.30	0.01
Aroclor-1260-1	(1)	6.23	6.24	6.14	6.34	0.01
Aroclor-1260-2	(2)	6.42	6.43	6.33	6.53	0.01
Aroclor-1260-3	(3)	6.79	6.79	6.69	6.89	0.01
Aroclor-1260-4	(4)	7.04	7.05	6.95	7.15	0.01
Aroclor-1260-5	(5)	7.29	7.29	7.19	7.39	0.00
Tetrachloro-m-xylene		3.66	3.66	3.56	3.76	0.00
Decachlorobiphenyl		8.67	8.68	8.58	8.78	0.01

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q3017

Continuing Calib Date: 09/04/2025

Initial Calibration Date(s): 08/18/2025 08/18/2025

Continuing Calib Time: 18:49

Initial Calibration Time(s): 09:53 18:24

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.73	4.73	4.63	4.83	0.01
Aroclor-1016-2	(2)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.17	5.18	5.08	5.28	0.01
Aroclor-1260-1	(1)	6.20	6.20	6.10	6.30	0.00
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.54	6.54	6.44	6.64	0.00
Aroclor-1260-4	(4)	7.01	7.01	6.91	7.11	0.00
Aroclor-1260-5	(5)	7.25	7.26	7.16	7.36	0.01
Tetrachloro-m-xylene		3.65	3.66	3.56	3.76	0.01
Decachlorobiphenyl		8.62	8.63	8.53	8.73	0.01

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** TETR06
Lab Code: ACE **SDG NO.:** Q3017
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 09/04/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO113478.D **Time Analyzed:** 18:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.742	4.648	4.848	561.170	500.000	12.2
Aroclor-1016-2	4.760	4.666	4.866	567.370	500.000	13.5
Aroclor-1016-3	4.817	4.724	4.924	564.020	500.000	12.8
Aroclor-1016-4	4.936	4.843	5.043	530.830	500.000	6.2
Aroclor-1016-5	5.194	5.099	5.299	564.470	500.000	12.9
Aroclor-1260-1	6.229	6.136	6.336	565.000	500.000	13.0
Aroclor-1260-2	6.419	6.326	6.526	559.010	500.000	11.8
Aroclor-1260-3	6.785	6.691	6.891	523.800	500.000	4.8
Aroclor-1260-4	7.044	6.951	7.151	509.480	500.000	1.9
Aroclor-1260-5	7.288	7.194	7.394	506.110	500.000	1.2
Decachlorobiphenyl	8.674	8.582	8.782	47.280	50.000	-5.4
Tetrachloro-m-xylene	3.659	3.563	3.763	56.440	50.000	12.9

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** TETR06
Lab Code: ACE **SDG NO.:** Q3017
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 09/04/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO113478.D **Time Analyzed:** 18:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.725	4.629	4.829	535.510	500.000	7.1
Aroclor-1016-2	4.743	4.647	4.847	524.860	500.000	5.0
Aroclor-1016-3	4.918	4.822	5.022	508.170	500.000	1.6
Aroclor-1016-4	4.960	4.864	5.064	492.950	500.000	-1.4
Aroclor-1016-5	5.172	5.076	5.276	549.030	500.000	9.8
Aroclor-1260-1	6.199	6.104	6.304	472.910	500.000	-5.4
Aroclor-1260-2	6.388	6.292	6.492	462.220	500.000	-7.6
Aroclor-1260-3	6.539	6.443	6.643	432.880	500.000	-13.4
Aroclor-1260-4	7.008	6.912	7.112	438.660	500.000	-12.3
Aroclor-1260-5	7.250	7.155	7.355	433.850	500.000	-13.2
Decachlorobiphenyl	8.622	8.528	8.728	53.330	50.000	6.7
Tetrachloro-m-xylene	3.652	3.555	3.755	54.050	50.000	8.1

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q3017

Continuing Calib Date: 09/04/2025

Initial Calibration Date(s): 08/18/2025 08/18/2025

Continuing Calib Time: 23:23

Initial Calibration Time(s): 09:53 18:24

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-2	(2)	4.76	4.77	4.67	4.87	0.01
Aroclor-1016-3	(3)	4.82	4.82	4.72	4.92	0.00
Aroclor-1016-4	(4)	4.94	4.94	4.84	5.04	0.00
Aroclor-1016-5	(5)	5.19	5.20	5.10	5.30	0.01
Aroclor-1260-1	(1)	6.23	6.24	6.14	6.34	0.01
Aroclor-1260-2	(2)	6.42	6.43	6.33	6.53	0.01
Aroclor-1260-3	(3)	6.79	6.79	6.69	6.89	0.00
Aroclor-1260-4	(4)	7.05	7.05	6.95	7.15	0.00
Aroclor-1260-5	(5)	7.29	7.29	7.19	7.39	0.00
Tetrachloro-m-xylene		3.66	3.66	3.56	3.76	0.00
Decachlorobiphenyl		8.68	8.68	8.58	8.78	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q3017

Continuing Calib Date: 09/04/2025

Initial Calibration Date(s): 08/18/2025 08/18/2025

Continuing Calib Time: 23:23

Initial Calibration Time(s): 09:53 18:24

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	4.72	4.73	4.63	4.83	0.01
Aroclor-1016-2	(2)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.17	5.18	5.08	5.28	0.01
Aroclor-1260-1	(1)	6.20	6.20	6.10	6.30	0.00
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.54	6.54	6.44	6.64	0.00
Aroclor-1260-4	(4)	7.01	7.01	6.91	7.11	0.00
Aroclor-1260-5	(5)	7.25	7.26	7.16	7.36	0.01
Tetrachloro-m-xylene		3.65	3.66	3.56	3.76	0.01
Decachlorobiphenyl		8.62	8.63	8.53	8.73	0.01

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** TETR06
Lab Code: ACE **SDG NO.:** Q3017
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 09/04/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO113488.D **Time Analyzed:** 23:23

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.743	4.648	4.848	580.340	500.000	16.1
Aroclor-1016-2	4.762	4.666	4.866	584.230	500.000	16.8
Aroclor-1016-3	4.819	4.724	4.924	586.660	500.000	17.3
Aroclor-1016-4	4.938	4.843	5.043	539.250	500.000	7.9
Aroclor-1016-5	5.194	5.099	5.299	563.830	500.000	12.8
Aroclor-1260-1	6.230	6.136	6.336	576.580	500.000	15.3
Aroclor-1260-2	6.421	6.326	6.526	585.500	500.000	17.1
Aroclor-1260-3	6.786	6.691	6.891	570.590	500.000	14.1
Aroclor-1260-4	7.045	6.951	7.151	557.290	500.000	11.5
Aroclor-1260-5	7.289	7.194	7.394	549.720	500.000	9.9
Decachlorobiphenyl	8.676	8.582	8.782	51.860	50.000	3.7
Tetrachloro-m-xylene	3.659	3.563	3.763	58.380	50.000	16.8

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** TETR06
Lab Code: ACE **SDG NO.:** Q3017
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/18/2025 08/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 09/04/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO113488.D **Time Analyzed:** 23:23

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.724	4.629	4.829	535.830	500.000	7.2
Aroclor-1016-2	4.742	4.647	4.847	537.790	500.000	7.6
Aroclor-1016-3	4.916	4.822	5.022	516.270	500.000	3.3
Aroclor-1016-4	4.959	4.864	5.064	502.990	500.000	0.6
Aroclor-1016-5	5.171	5.076	5.276	573.220	500.000	14.6
Aroclor-1260-1	6.198	6.104	6.304	500.660	500.000	0.1
Aroclor-1260-2	6.387	6.292	6.492	488.800	500.000	-2.2
Aroclor-1260-3	6.538	6.443	6.643	456.710	500.000	-8.7
Aroclor-1260-4	7.007	6.912	7.112	470.540	500.000	-5.9
Aroclor-1260-5	7.249	7.155	7.355	459.290	500.000	-8.1
Decachlorobiphenyl	8.620	8.528	8.728	55.050	50.000	10.1
Tetrachloro-m-xylene	3.651	3.555	3.755	54.760	50.000	9.5

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q3017

Continuing Calib Date: 09/05/2025

Initial Calibration Date(s): 08/19/2025 08/19/2025

Continuing Calib Time: 08:40

Initial Calibration Time(s): 10:02 17:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.81	5.81	5.71	5.91	0.00
Aroclor-1016-2	(2)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-3	(3)	5.89	5.89	5.79	5.99	0.00
Aroclor-1016-4	(4)	5.99	5.99	5.89	6.09	0.00
Aroclor-1016-5	(5)	6.28	6.28	6.18	6.38	0.00
Aroclor-1260-1	(1)	7.40	7.40	7.30	7.50	0.00
Aroclor-1260-2	(2)	7.65	7.65	7.55	7.75	0.00
Aroclor-1260-3	(3)	8.01	8.01	7.91	8.11	0.00
Aroclor-1260-4	(4)	8.24	8.24	8.14	8.34	0.00
Aroclor-1260-5	(5)	8.56	8.56	8.46	8.66	0.00
Tetrachloro-m-xylene		4.65	4.65	4.55	4.75	0.00
Decachlorobiphenyl		10.43	10.43	10.33	10.53	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q3017

Continuing Calib Date: 09/05/2025

Initial Calibration Date(s): 08/19/2025

08/19/2025

Continuing Calib Time: 08:40

Initial Calibration Time(s): 10:02

17:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.89	4.90	4.80	5.00	0.01
Aroclor-1016-2	(2)	4.95	4.96	4.86	5.06	0.01
Aroclor-1016-3	(3)	5.07	5.08	4.98	5.18	0.01
Aroclor-1016-4	(4)	5.11	5.12	5.02	5.22	0.01
Aroclor-1016-5	(5)	5.33	5.33	5.23	5.43	0.00
Aroclor-1260-1	(1)	6.36	6.36	6.26	6.46	0.00
Aroclor-1260-2	(2)	6.54	6.55	6.45	6.65	0.01
Aroclor-1260-3	(3)	6.70	6.70	6.60	6.80	0.00
Aroclor-1260-4	(4)	7.17	7.17	7.07	7.27	0.00
Aroclor-1260-5	(5)	7.41	7.41	7.31	7.51	0.00
Tetrachloro-m-xylene		3.79	3.80	3.70	3.90	0.01
Decachlorobiphenyl		8.81	8.82	8.72	8.92	0.01

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** TETR06
Lab Code: ACE **SDG NO.:** Q3017
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/19/2025 08/19/2025

Client Sample No.: CCAL03 **Date Analyzed:** 09/05/2025
Lab Sample No.: AR1660CCC500 **Data File :** PP074886.D **Time Analyzed:** 08:40

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.806	5.706	5.906	509.440	500.000	1.9
Aroclor-1016-2	5.827	5.727	5.927	530.120	500.000	6.0
Aroclor-1016-3	5.890	5.790	5.990	478.420	500.000	-4.3
Aroclor-1016-4	5.988	5.888	6.088	508.630	500.000	1.7
Aroclor-1016-5	6.280	6.180	6.380	528.550	500.000	5.7
Aroclor-1260-1	7.397	7.297	7.497	490.460	500.000	-1.9
Aroclor-1260-2	7.650	7.550	7.750	485.610	500.000	-2.9
Aroclor-1260-3	8.008	7.908	8.108	516.920	500.000	3.4
Aroclor-1260-4	8.236	8.136	8.336	496.700	500.000	-0.7
Aroclor-1260-5	8.562	8.462	8.662	476.630	500.000	-4.7
Decachlorobiphenyl	10.433	10.333	10.533	56.080	50.000	12.2
Tetrachloro-m-xylene	4.654	4.554	4.754	53.210	50.000	6.4

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** TETR06
Lab Code: ACE **SDG NO.:** Q3017
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/19/2025 08/19/2025

Client Sample No.: CCAL03 **Date Analyzed:** 09/05/2025
Lab Sample No.: AR1660CCC500 **Data File :** PP074886.D **Time Analyzed:** 08:40

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.893	4.799	4.999	555.770	500.000	11.2
Aroclor-1016-2	4.952	4.855	5.055	568.340	500.000	13.7
Aroclor-1016-3	5.072	4.976	5.176	539.900	500.000	8.0
Aroclor-1016-4	5.112	5.017	5.217	528.240	500.000	5.6
Aroclor-1016-5	5.327	5.231	5.431	475.800	500.000	-4.8
Aroclor-1260-1	6.357	6.261	6.461	508.560	500.000	1.7
Aroclor-1260-2	6.542	6.448	6.648	499.680	500.000	-0.1
Aroclor-1260-3	6.696	6.602	6.802	450.490	500.000	-9.9
Aroclor-1260-4	7.166	7.072	7.272	489.810	500.000	-2.0
Aroclor-1260-5	7.405	7.311	7.511	473.770	500.000	-5.2
Decachlorobiphenyl	8.806	8.715	8.915	55.940	50.000	11.9
Tetrachloro-m-xylene	3.794	3.699	3.899	59.900	50.000	19.8

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q3017

Continuing Calib Date: 09/05/2025

Initial Calibration Date(s): 08/19/2025 08/19/2025

Continuing Calib Time: 12:51

Initial Calibration Time(s): 10:02 17:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.81	5.81	5.71	5.91	0.00
Aroclor-1016-2	(2)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-3	(3)	5.90	5.89	5.79	5.99	-0.01
Aroclor-1016-4	(4)	5.99	5.99	5.89	6.09	0.00
Aroclor-1016-5	(5)	6.29	6.28	6.18	6.38	-0.01
Aroclor-1260-1	(1)	7.40	7.40	7.30	7.50	0.00
Aroclor-1260-2	(2)	7.66	7.65	7.55	7.75	-0.01
Aroclor-1260-3	(3)	8.01	8.01	7.91	8.11	0.00
Aroclor-1260-4	(4)	8.24	8.24	8.14	8.34	0.00
Aroclor-1260-5	(5)	8.57	8.56	8.46	8.66	-0.01
Tetrachloro-m-xylene		4.66	4.65	4.55	4.75	-0.01
Decachlorobiphenyl		10.44	10.43	10.33	10.53	-0.01

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: TETR06

Lab Code: ACE

SDG NO.: Q3017

Continuing Calib Date: 09/05/2025

Initial Calibration Date(s): 08/19/2025

08/19/2025

Continuing Calib Time: 12:51

Initial Calibration Time(s): 10:02

17:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.90	4.90	4.80	5.00	0.00
Aroclor-1016-2	(2)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-3	(3)	5.08	5.08	4.98	5.18	0.00
Aroclor-1016-4	(4)	5.12	5.12	5.02	5.22	0.00
Aroclor-1016-5	(5)	5.33	5.33	5.23	5.43	0.00
Aroclor-1260-1	(1)	6.36	6.36	6.26	6.46	0.00
Aroclor-1260-2	(2)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-3	(3)	6.70	6.70	6.60	6.80	0.00
Aroclor-1260-4	(4)	7.17	7.17	7.07	7.27	0.00
Aroclor-1260-5	(5)	7.41	7.41	7.31	7.51	0.00
Tetrachloro-m-xylene		3.80	3.80	3.70	3.90	0.00
Decachlorobiphenyl		8.81	8.82	8.72	8.92	0.01

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** TETR06
Lab Code: ACE **SDG NO.:** Q3017
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/19/2025 08/19/2025

Client Sample No.: CCAL04 **Date Analyzed:** 09/05/2025
Lab Sample No.: AR1660CCC500 **Data File :** PP074897.D **Time Analyzed:** 12:51

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.812	5.706	5.906	518.950	500.000	3.8
Aroclor-1016-2	5.833	5.727	5.927	533.100	500.000	6.6
Aroclor-1016-3	5.896	5.790	5.990	487.500	500.000	-2.5
Aroclor-1016-4	5.993	5.888	6.088	512.430	500.000	2.5
Aroclor-1016-5	6.286	6.180	6.380	533.180	500.000	6.6
Aroclor-1260-1	7.404	7.297	7.497	493.310	500.000	-1.3
Aroclor-1260-2	7.656	7.550	7.750	489.630	500.000	-2.1
Aroclor-1260-3	8.014	7.908	8.108	521.850	500.000	4.4
Aroclor-1260-4	8.243	8.136	8.336	497.170	500.000	-0.6
Aroclor-1260-5	8.569	8.462	8.662	482.090	500.000	-3.6
Decachlorobiphenyl	10.442	10.333	10.533	56.640	50.000	13.3
Tetrachloro-m-xylene	4.660	4.554	4.754	53.390	50.000	6.8

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** TETR06
Lab Code: ACE **SDG NO.:** Q3017
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 08/19/2025 08/19/2025

Client Sample No.: CCAL04 **Date Analyzed:** 09/05/2025
Lab Sample No.: AR1660CCC500 **Data File :** PP074897.D **Time Analyzed:** 12:51

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.899	4.799	4.999	542.700	500.000	8.5
Aroclor-1016-2	4.957	4.855	5.055	551.020	500.000	10.2
Aroclor-1016-3	5.077	4.976	5.176	549.490	500.000	9.9
Aroclor-1016-4	5.118	5.017	5.217	522.750	500.000	4.6
Aroclor-1016-5	5.333	5.231	5.431	485.330	500.000	-2.9
Aroclor-1260-1	6.362	6.261	6.461	514.650	500.000	2.9
Aroclor-1260-2	6.548	6.448	6.648	494.340	500.000	-1.1
Aroclor-1260-3	6.702	6.602	6.802	455.980	500.000	-8.8
Aroclor-1260-4	7.172	7.072	7.272	485.530	500.000	-2.9
Aroclor-1260-5	7.411	7.311	7.511	471.710	500.000	-5.7
Decachlorobiphenyl	8.813	8.715	8.915	55.610	50.000	11.2
Tetrachloro-m-xylene	3.800	3.699	3.899	59.960	50.000	19.9

Analytical Sequence

Client: Tetra Tech NUS, Inc.	SDG No.: Q3017
Project: NWIRP Bethpage 112G08005-WE13	Instrument ID: ECD_O
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 08/18/2025 08/18/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	08/18/2025	09:34	PO113002.D	8.68	3.66
AR1660ICC1000	AR1660ICC1000	08/18/2025	09:53	PO113003.D	8.68	3.66
AR1660ICC750	AR1660ICC750	08/18/2025	10:11	PO113004.D	8.68	3.66
AR1660ICC500	AR1660ICC500	08/18/2025	10:29	PO113005.D	8.68	3.66
AR1660ICC250	AR1660ICC250	08/18/2025	10:48	PO113006.D	8.68	3.66
AR1660ICC050	AR1660ICC050	08/18/2025	11:06	PO113007.D	8.68	3.66
AR1221ICC500	AR1221ICC500	08/18/2025	11:25	PO113008.D	8.68	3.66
AR1232ICC500	AR1232ICC500	08/18/2025	11:43	PO113009.D	8.68	3.66
AR1242ICC1000	AR1242ICC1000	08/18/2025	12:01	PO113010.D	8.68	3.66
AR1242ICC750	AR1242ICC750	08/18/2025	12:20	PO113011.D	8.68	3.66
AR1242ICC500	AR1242ICC500	08/18/2025	12:38	PO113012.D	8.68	3.66
AR1242ICC250	AR1242ICC250	08/18/2025	12:57	PO113013.D	8.68	3.66
AR1242ICC050	AR1242ICC050	08/18/2025	13:15	PO113014.D	8.68	3.66
AR1248ICC1000	AR1248ICC1000	08/18/2025	13:34	PO113015.D	8.68	3.66
AR1248ICC750	AR1248ICC750	08/18/2025	13:52	PO113016.D	8.68	3.66
AR1248ICC500	AR1248ICC500	08/18/2025	14:09	PO113017.D	8.68	3.66
AR1248ICC250	AR1248ICC250	08/18/2025	14:28	PO113018.D	8.68	3.66
AR1248ICC050	AR1248ICC050	08/18/2025	14:46	PO113019.D	8.68	3.66
AR1254ICC1000	AR1254ICC1000	08/18/2025	15:05	PO113020.D	8.68	3.66
AR1254ICC750	AR1254ICC750	08/18/2025	15:23	PO113021.D	8.68	3.66
AR1254ICC500	AR1254ICC500	08/18/2025	15:41	PO113022.D	8.68	3.66
AR1254ICC250	AR1254ICC250	08/18/2025	16:00	PO113023.D	8.68	3.66
AR1254ICC050	AR1254ICC050	08/18/2025	16:18	PO113024.D	8.68	3.66
AR1262ICC500	AR1262ICC500	08/18/2025	16:54	PO113025.D	8.68	3.66
AR1268ICC1000	AR1268ICC1000	08/18/2025	17:12	PO113026.D	8.68	3.66
AR1268ICC750	AR1268ICC750	08/18/2025	17:30	PO113027.D	8.68	3.66
AR1268ICC500	AR1268ICC500	08/18/2025	17:48	PO113028.D	8.68	3.66
AR1268ICC250	AR1268ICC250	08/18/2025	18:06	PO113029.D	8.68	3.66
AR1268ICC050	AR1268ICC050	08/18/2025	18:24	PO113030.D	8.68	3.66
AR1660CCC500	AR1660CCC500	09/04/2025	18:49	PO113478.D	8.67	3.66
IBLK	IBLK	09/04/2025	20:39	PO113482.D	8.68	3.66
PB169547BL	PB169547BL	09/04/2025	20:56	PO113483.D	8.67	3.66
PB169547BS	PB169547BS	09/04/2025	21:15	PO113484.D	8.68	3.66
PB169547BSD	PB169547BSD	09/04/2025	21:33	PO113485.D	8.68	3.66
AR1660CCC500	AR1660CCC500	09/04/2025	23:23	PO113488.D	8.68	3.66
IBLK	IBLK	09/05/2025	01:12	PO113492.D	8.68	3.66
IBLK	IBLK	08/19/2025	09:46	PP074490.D	10.43	4.65
AR1660ICC1000	AR1660ICC1000	08/19/2025	10:02	PP074491.D	10.43	4.65
AR1660ICC750	AR1660ICC750	08/19/2025	10:18	PP074492.D	10.44	4.66
AR1660ICC500	AR1660ICC500	08/19/2025	10:34	PP074493.D	10.43	4.65
AR1660ICC250	AR1660ICC250	08/19/2025	10:51	PP074494.D	10.43	4.66
AR1660ICC050	AR1660ICC050	08/19/2025	11:07	PP074495.D	10.44	4.66

Analytical Sequence

AR1221ICC500	AR1221ICC500	08/19/2025	11:23	PP074496.D	10.43	4.65
AR12321ICC500	AR12321ICC500	08/19/2025	11:39	PP074497.D	10.43	4.66
AR12421ICC1000	AR12421ICC1000	08/19/2025	11:55	PP074498.D	10.43	4.66
AR12421ICC750	AR12421ICC750	08/19/2025	12:12	PP074499.D	10.44	4.66
AR12421ICC500	AR12421ICC500	08/19/2025	12:28	PP074500.D	10.43	4.66
AR12421ICC250	AR12421ICC250	08/19/2025	12:44	PP074501.D	10.44	4.66
AR12421ICC050	AR12421ICC050	08/19/2025	13:00	PP074502.D	10.44	4.66
AR12481ICC1000	AR12481ICC1000	08/19/2025	13:16	PP074503.D	10.44	4.66
AR12481ICC750	AR12481ICC750	08/19/2025	13:33	PP074504.D	10.44	4.66
AR12481ICC500	AR12481ICC500	08/19/2025	13:49	PP074505.D	10.44	4.66
AR12481ICC250	AR12481ICC250	08/19/2025	14:05	PP074506.D	10.44	4.66
AR12481ICC050	AR12481ICC050	08/19/2025	14:21	PP074507.D	10.44	4.66
AR12541ICC1000	AR12541ICC1000	08/19/2025	14:37	PP074508.D	10.44	4.66
AR12541ICC750	AR12541ICC750	08/19/2025	14:53	PP074509.D	10.44	4.66
AR12541ICC500	AR12541ICC500	08/19/2025	15:10	PP074510.D	10.44	4.66
AR12541ICC250	AR12541ICC250	08/19/2025	15:42	PP074511.D	10.44	4.66
AR12541ICC050	AR12541ICC050	08/19/2025	15:58	PP074512.D	10.44	4.66
AR12621ICC500	AR12621ICC500	08/19/2025	16:14	PP074513.D	10.44	4.66
AR12681ICC1000	AR12681ICC1000	08/19/2025	16:31	PP074514.D	10.43	4.66
AR12681ICC750	AR12681ICC750	08/19/2025	16:47	PP074515.D	10.44	4.66
AR12681ICC500	AR12681ICC500	08/19/2025	17:03	PP074516.D	10.43	4.66
AR12681ICC250	AR12681ICC250	08/19/2025	17:19	PP074517.D	10.44	4.66
AR12681ICC050	AR12681ICC050	08/19/2025	17:36	PP074518.D	10.43	4.66
AR1660CCC500	AR1660CCC500	09/05/2025	08:40	PP074886.D	10.43	4.65
IBLK	IBLK	09/05/2025	09:09	PP074887.D	10.45	4.66
TT-076-IDWGW-20250903	Q3017-02	09/05/2025	11:30	PP074893.D	10.43	4.66
TT-077-IDWGW-20250903	Q3017-03	09/05/2025	11:46	PP074894.D	10.44	4.66
TT-078-IDWGW-20250903	Q3017-04	09/05/2025	12:02	PP074895.D	10.44	4.66
TT-079-IDWGW-20250903	Q3017-05	09/05/2025	12:19	PP074896.D	10.44	4.66
AR1660CCC500	AR1660CCC500	09/05/2025	12:51	PP074897.D	10.44	4.66
IBLK	IBLK	09/05/2025	13:07	PP074898.D	10.44	4.66

Analytical Sequence

Client: Tetra Tech NUS, Inc.	SDG No.: Q3017
Project: NWIRP Bethpage 112G08005-WE13	Instrument ID: ECD_O
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 08/18/2025 08/18/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	08/18/2025	09:34	PO113002.D	8.63	3.66
AR1660ICC1000	AR1660ICC1000	08/18/2025	09:53	PO113003.D	8.63	3.66
AR1660ICC750	AR1660ICC750	08/18/2025	10:11	PO113004.D	8.63	3.66
AR1660ICC500	AR1660ICC500	08/18/2025	10:29	PO113005.D	8.63	3.66
AR1660ICC250	AR1660ICC250	08/18/2025	10:48	PO113006.D	8.63	3.66
AR1660ICC050	AR1660ICC050	08/18/2025	11:06	PO113007.D	8.63	3.65
AR1221ICC500	AR1221ICC500	08/18/2025	11:25	PO113008.D	8.63	3.66
AR1232ICC500	AR1232ICC500	08/18/2025	11:43	PO113009.D	8.63	3.66
AR1242ICC1000	AR1242ICC1000	08/18/2025	12:01	PO113010.D	8.63	3.66
AR1242ICC750	AR1242ICC750	08/18/2025	12:20	PO113011.D	8.63	3.66
AR1242ICC500	AR1242ICC500	08/18/2025	12:38	PO113012.D	8.63	3.66
AR1242ICC250	AR1242ICC250	08/18/2025	12:57	PO113013.D	8.63	3.66
AR1242ICC050	AR1242ICC050	08/18/2025	13:15	PO113014.D	8.63	3.66
AR1248ICC1000	AR1248ICC1000	08/18/2025	13:34	PO113015.D	8.63	3.66
AR1248ICC750	AR1248ICC750	08/18/2025	13:52	PO113016.D	8.63	3.66
AR1248ICC500	AR1248ICC500	08/18/2025	14:09	PO113017.D	8.63	3.66
AR1248ICC250	AR1248ICC250	08/18/2025	14:28	PO113018.D	8.63	3.66
AR1248ICC050	AR1248ICC050	08/18/2025	14:46	PO113019.D	8.63	3.66
AR1254ICC1000	AR1254ICC1000	08/18/2025	15:05	PO113020.D	8.63	3.66
AR1254ICC750	AR1254ICC750	08/18/2025	15:23	PO113021.D	8.63	3.66
AR1254ICC500	AR1254ICC500	08/18/2025	15:41	PO113022.D	8.63	3.66
AR1254ICC250	AR1254ICC250	08/18/2025	16:00	PO113023.D	8.63	3.66
AR1254ICC050	AR1254ICC050	08/18/2025	16:18	PO113024.D	8.63	3.66
AR1262ICC500	AR1262ICC500	08/18/2025	16:54	PO113025.D	8.63	3.66
AR1268ICC1000	AR1268ICC1000	08/18/2025	17:12	PO113026.D	8.63	3.66
AR1268ICC750	AR1268ICC750	08/18/2025	17:30	PO113027.D	8.63	3.66
AR1268ICC500	AR1268ICC500	08/18/2025	17:48	PO113028.D	8.63	3.66
AR1268ICC250	AR1268ICC250	08/18/2025	18:06	PO113029.D	8.63	3.66
AR1268ICC050	AR1268ICC050	08/18/2025	18:24	PO113030.D	8.63	3.66
AR1660CCC500	AR1660CCC500	09/04/2025	18:49	PO113478.D	8.62	3.65
IBLK	IBLK	09/04/2025	20:39	PO113482.D	8.62	3.65
PB169547BL	PB169547BL	09/04/2025	20:56	PO113483.D	8.62	3.65
PB169547BS	PB169547BS	09/04/2025	21:15	PO113484.D	8.62	3.65
PB169547BSD	PB169547BSD	09/04/2025	21:33	PO113485.D	8.62	3.65
AR1660CCC500	AR1660CCC500	09/04/2025	23:23	PO113488.D	8.62	3.65
IBLK	IBLK	09/05/2025	01:12	PO113492.D	8.62	3.65
IBLK	IBLK	08/19/2025	09:46	PP074490.D	8.81	3.80
AR1660ICC1000	AR1660ICC1000	08/19/2025	10:02	PP074491.D	8.81	3.80
AR1660ICC750	AR1660ICC750	08/19/2025	10:18	PP074492.D	8.82	3.80
AR1660ICC500	AR1660ICC500	08/19/2025	10:34	PP074493.D	8.82	3.80
AR1660ICC250	AR1660ICC250	08/19/2025	10:51	PP074494.D	8.81	3.80
AR1660ICC050	AR1660ICC050	08/19/2025	11:07	PP074495.D	8.82	3.80

Analytical Sequence

AR1221ICC500	AR1221ICC500	08/19/2025	11:23	PP074496.D	8.82	3.80
AR12321ICC500	AR12321ICC500	08/19/2025	11:39	PP074497.D	8.82	3.80
AR12421ICC1000	AR12421ICC1000	08/19/2025	11:55	PP074498.D	8.82	3.80
AR12421ICC750	AR12421ICC750	08/19/2025	12:12	PP074499.D	8.82	3.80
AR12421ICC500	AR12421ICC500	08/19/2025	12:28	PP074500.D	8.81	3.80
AR12421ICC250	AR12421ICC250	08/19/2025	12:44	PP074501.D	8.82	3.80
AR12421ICC050	AR12421ICC050	08/19/2025	13:00	PP074502.D	8.82	3.80
AR12481ICC1000	AR12481ICC1000	08/19/2025	13:16	PP074503.D	8.82	3.80
AR12481ICC750	AR12481ICC750	08/19/2025	13:33	PP074504.D	8.82	3.80
AR12481ICC500	AR12481ICC500	08/19/2025	13:49	PP074505.D	8.82	3.80
AR12481ICC250	AR12481ICC250	08/19/2025	14:05	PP074506.D	8.82	3.80
AR12481ICC050	AR12481ICC050	08/19/2025	14:21	PP074507.D	8.82	3.80
AR12541ICC1000	AR12541ICC1000	08/19/2025	14:37	PP074508.D	8.82	3.80
AR12541ICC750	AR12541ICC750	08/19/2025	14:53	PP074509.D	8.82	3.80
AR12541ICC500	AR12541ICC500	08/19/2025	15:10	PP074510.D	8.82	3.80
AR12541ICC250	AR12541ICC250	08/19/2025	15:42	PP074511.D	8.82	3.80
AR12541ICC050	AR12541ICC050	08/19/2025	15:58	PP074512.D	8.81	3.80
AR12621ICC500	AR12621ICC500	08/19/2025	16:14	PP074513.D	8.82	3.80
AR12681ICC1000	AR12681ICC1000	08/19/2025	16:31	PP074514.D	8.81	3.80
AR12681ICC750	AR12681ICC750	08/19/2025	16:47	PP074515.D	8.82	3.80
AR12681ICC500	AR12681ICC500	08/19/2025	17:03	PP074516.D	8.81	3.80
AR12681ICC250	AR12681ICC250	08/19/2025	17:19	PP074517.D	8.82	3.80
AR12681ICC050	AR12681ICC050	08/19/2025	17:36	PP074518.D	8.81	3.80
AR1660CCC500	AR1660CCC500	09/05/2025	08:40	PP074886.D	8.81	3.79
IBLK	IBLK	09/05/2025	09:09	PP074887.D	8.81	3.80
TT-076-IDWGW-20250903	Q3017-02	09/05/2025	11:30	PP074893.D	8.81	3.79
TT-077-IDWGW-20250903	Q3017-03	09/05/2025	11:46	PP074894.D	8.81	3.80
TT-078-IDWGW-20250903	Q3017-04	09/05/2025	12:02	PP074895.D	8.81	3.80
TT-079-IDWGW-20250903	Q3017-05	09/05/2025	12:19	PP074896.D	8.81	3.80
AR1660CCC500	AR1660CCC500	09/05/2025	12:51	PP074897.D	8.81	3.80
IBLK	IBLK	09/05/2025	13:07	PP074898.D	8.81	3.80



QC SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:		
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:		
Client Sample ID:	PB169547BL		SDG No.:	Q3017	
Lab Sample ID:	PB169547BL		Matrix:	WATER	
Analytical Method:	8082A		% 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
PO113483.D	1	09/04/25 09:33	09/04/25 20:56	PB169547

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	20.4		35 - 137		102%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.6		40 - 135		103%	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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	08/18/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	08/18/25	
Client Sample ID:	PIBLK-PO113002.D		SDG No.:	Q3017	
Lab Sample ID:	I.BLK-PO113002.D		Matrix:	WATER	
Analytical Method:	8082A		% 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
PO113002.D	1		08/18/25	PO081825

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	16.6		60 - 140		83%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.2		60 - 140		86%	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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/04/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/04/25	
Client Sample ID:	PIBLK-PO113482.D		SDG No.:	Q3017	
Lab Sample ID:	I.BLK-PO113482.D		Matrix:	WATER	
Analytical Method:	8082A		% 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
PO113482.D	1		09/04/25	po090425

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	18.2		60 - 140		91%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.8		60 - 140		89%	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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/05/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/05/25	
Client Sample ID:	PIBLK-PO113492.D		SDG No.:	Q3017	
Lab Sample ID:	I.BLK-PO113492.D		Matrix:	WATER	
Analytical Method:	8082A		% 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
PO113492.D	1		09/05/25	po090425

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	18.6		60 - 140		93%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.9		60 - 140		94%	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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	08/19/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	08/19/25	
Client Sample ID:	PIBLK-PP074490.D		SDG No.:	Q3017	
Lab Sample ID:	I.BLK-PP074490.D		Matrix:	WATER	
Analytical Method:	8082A		% 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
PP074490.D	1		08/19/25	PP081925

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	15.7		60 - 140		78%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.9		60 - 140		85%	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

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/05/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/05/25	
Client Sample ID:	PIBLK-PP074887.D		SDG No.:	Q3017	
Lab Sample ID:	I.BLK-PP074887.D		Matrix:	WATER	
Analytical Method:	8082A		% 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
PP074887.D	1		09/05/25	pp090525

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	16.6		60 - 140		83%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.3		60 - 140		72%	SPK: 20

Comments:

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MDL = Method Detection Limit

LOD = Limit of Detection

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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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	09/05/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	09/05/25	
Client Sample ID:	PIBLK-PP074898.D		SDG No.:	Q3017	
Lab Sample ID:	I.BLK-PP074898.D		Matrix:	WATER	
Analytical Method:	8082A		% 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
PP074898.D	1		09/05/25	pp090525

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	15.6		60 - 140		78%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.9		60 - 140		70%	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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:		
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:		
Client Sample ID:	PB169547BS		SDG No.:	Q3017	
Lab Sample ID:	PB169547BS		Matrix:	WATER	
Analytical Method:	8082A		% 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
PO113484.D	1	09/04/25 09:33	09/04/25 21:15	PB169547

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	4.50		0.081	0.25	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	20.2		35 - 137		101%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.3		40 - 135		106%	SPK: 20

Comments:

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MDL = Method Detection Limit

LOD = Limit of Detection

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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

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D = Dilution

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() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:		
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:		
Client Sample ID:	PB169547BSD		SDG No.:	Q3017	
Lab Sample ID:	PB169547BSD		Matrix:	WATER	
Analytical Method:	8082A		% 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
PO113485.D	1	09/04/25 09:33	09/04/25 21:33	PB169547

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	4.30		0.081	0.25	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	19.6		35 - 137		98%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.5		40 - 135		102%	SPK: 20

Comments:

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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LAB CHRONICLE

OrderID:	Q3017	OrderDate:	9/4/2025 10:17:00 AM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	J12,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3017-02	TT-076-IDWGW-2025 0903	Water			09/03/25			09/04/25
			Mercury	7470A		09/05/25	09/05/25	
			Metals ICP-TAL	6010D		09/04/25	09/05/25	
Q3017-03	TT-077-IDWGW-2025 0903	Water			09/03/25			09/04/25
			Mercury	7470A		09/05/25	09/05/25	
			Metals ICP-TAL	6010D		09/04/25	09/05/25	
Q3017-04	TT-078-IDWGW-2025 0903	Water			09/03/25			09/04/25
			Mercury	7470A		09/05/25	09/05/25	
			Metals ICP-TAL	6010D		09/04/25	09/05/25	
Q3017-05	TT-079-IDWGW-2025 0903	Water			09/03/25			09/04/25
			Mercury	7470A		09/05/25	09/05/25	
			Metals ICP-TAL	6010D		09/04/25	09/05/25	

Hit Summary Sheet SW-846

SDG No.: Q3017 **Order ID:** Q3017
Client: Tetra Tech NUS, Inc. **Project ID:** NWIRP Bethpage 112G08005-WE13

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : TT-076-IDWGW-20250903									
Q3017-02	TT-076-IDWGW-20250903	Water	Aluminum	23900	D	28.4	200	250	ug/L
Q3017-02	TT-076-IDWGW-20250903	Water	Barium	44.3	JD	36.4	62.5	250	ug/L
Q3017-02	TT-076-IDWGW-20250903	Water	Calcium	9690	D	585	1250	5000	ug/L
Q3017-02	TT-076-IDWGW-20250903	Water	Chromium	27.0	D	5.30	12.5	25.0	ug/L
Q3017-02	TT-076-IDWGW-20250903	Water	Cobalt	7.07	JD	5.65	18.8	75.0	ug/L
Q3017-02	TT-076-IDWGW-20250903	Water	Copper	24.3	JD	11.5	40.0	50.0	ug/L
Q3017-02	TT-076-IDWGW-20250903	Water	Iron	11200	D	58.5	200	250	ug/L
Q3017-02	TT-076-IDWGW-20250903	Water	Lead	22.4	JD	5.75	24.0	30.0	ug/L
Q3017-02	TT-076-IDWGW-20250903	Water	Magnesium	3990	JD	610	1250	5000	ug/L
Q3017-02	TT-076-IDWGW-20250903	Water	Manganese	168	D	14.9	37.5	50.0	ug/L
Q3017-02	TT-076-IDWGW-20250903	Water	Nickel	18.9	JD	7.65	25.0	100	ug/L
Q3017-02	TT-076-IDWGW-20250903	Water	Potassium	61600	D	2300	4000	5000	ug/L
Q3017-02	TT-076-IDWGW-20250903	Water	Sodium	53600	D	2170	2500	5000	ug/L
Q3017-02	TT-076-IDWGW-20250903	Water	Vanadium	24.2	JD	15.7	50.0	100	ug/L
Client ID : TT-077-IDWGW-20250903									
Q3017-03	TT-077-IDWGW-20250903	Water	Aluminum	34900	D	28.4	200	250	ug/L
Q3017-03	TT-077-IDWGW-20250903	Water	Barium	82.5	JD	36.4	62.5	250	ug/L
Q3017-03	TT-077-IDWGW-20250903	Water	Beryllium	2.06	JD	1.40	3.75	15.0	ug/L
Q3017-03	TT-077-IDWGW-20250903	Water	Calcium	12600	D	585	1250	5000	ug/L
Q3017-03	TT-077-IDWGW-20250903	Water	Chromium	26.2	D	5.30	12.5	25.0	ug/L
Q3017-03	TT-077-IDWGW-20250903	Water	Cobalt	8.47	JD	5.65	18.8	75.0	ug/L
Q3017-03	TT-077-IDWGW-20250903	Water	Copper	20.0	JD	11.5	40.0	50.0	ug/L
Q3017-03	TT-077-IDWGW-20250903	Water	Iron	21100	D	58.5	200	250	ug/L
Q3017-03	TT-077-IDWGW-20250903	Water	Lead	32.5	D	5.75	24.0	30.0	ug/L
Q3017-03	TT-077-IDWGW-20250903	Water	Magnesium	6400	D	610	1250	5000	ug/L
Q3017-03	TT-077-IDWGW-20250903	Water	Manganese	495	D	14.9	37.5	50.0	ug/L
Q3017-03	TT-077-IDWGW-20250903	Water	Mercury	0.11	J	0.076	0.16	0.20	ug/L
Q3017-03	TT-077-IDWGW-20250903	Water	Nickel	16.6	JD	7.65	25.0	100	ug/L
Q3017-03	TT-077-IDWGW-20250903	Water	Sodium	36400	D	2170	2500	5000	ug/L
Q3017-03	TT-077-IDWGW-20250903	Water	Vanadium	24.9	JD	15.7	50.0	100	ug/L
Q3017-03	TT-077-IDWGW-20250903	Water	Zinc	60.6	JD	41.7	37.5	100	ug/L
Client ID : TT-078-IDWGW-20250903									
Q3017-04	TT-078-IDWGW-20250903	Water	Aluminum	34900	D	28.4	200	250	ug/L
Q3017-04	TT-078-IDWGW-20250903	Water	Barium	89.2	JD	36.4	62.5	250	ug/L
Q3017-04	TT-078-IDWGW-20250903	Water	Beryllium	1.92	JD	1.40	3.75	15.0	ug/L
Q3017-04	TT-078-IDWGW-20250903	Water	Calcium	14100	D	585	1250	5000	ug/L

Hit Summary Sheet
SW-846

SDG No.: Q3017

Order ID: Q3017

Client: Tetra Tech NUS, Inc.

Project ID: NWIRP Bethpage 112G08005-WE13

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q3017-04	TT-078-IDWGW-20250903	Water	Chromium	29.8	D	5.30	12.5	25.0	ug/L
Q3017-04	TT-078-IDWGW-20250903	Water	Cobalt	10.3	JD	5.65	18.8	75.0	ug/L
Q3017-04	TT-078-IDWGW-20250903	Water	Copper	22.6	JD	11.5	40.0	50.0	ug/L
Q3017-04	TT-078-IDWGW-20250903	Water	Iron	15500	D	58.5	200	250	ug/L
Q3017-04	TT-078-IDWGW-20250903	Water	Lead	31.7	D	5.75	24.0	30.0	ug/L
Q3017-04	TT-078-IDWGW-20250903	Water	Magnesium	5670	D	610	1250	5000	ug/L
Q3017-04	TT-078-IDWGW-20250903	Water	Manganese	445	D	14.9	37.5	50.0	ug/L
Q3017-04	TT-078-IDWGW-20250903	Water	Nickel	19.2	JD	7.65	25.0	100	ug/L
Q3017-04	TT-078-IDWGW-20250903	Water	Potassium	3170	JD	2300	4000	5000	ug/L
Q3017-04	TT-078-IDWGW-20250903	Water	Sodium	30600	D	2170	2500	5000	ug/L
Q3017-04	TT-078-IDWGW-20250903	Water	Vanadium	32.0	JD	15.7	50.0	100	ug/L
Q3017-04	TT-078-IDWGW-20250903	Water	Zinc	60.6	JD	41.7	37.5	100	ug/L

Client ID : TT-079-IDWGW-20250903

Q3017-05	TT-079-IDWGW-20250903	Water	Aluminum	21700	D	28.4	200	250	ug/L
Q3017-05	TT-079-IDWGW-20250903	Water	Barium	167	JD	36.4	62.5	250	ug/L
Q3017-05	TT-079-IDWGW-20250903	Water	Calcium	9470	D	585	1250	5000	ug/L
Q3017-05	TT-079-IDWGW-20250903	Water	Chromium	23.2	JD	5.30	12.5	25.0	ug/L
Q3017-05	TT-079-IDWGW-20250903	Water	Cobalt	12.9	JD	5.65	18.8	75.0	ug/L
Q3017-05	TT-079-IDWGW-20250903	Water	Copper	22.9	JD	11.5	40.0	50.0	ug/L
Q3017-05	TT-079-IDWGW-20250903	Water	Iron	9770	D	58.5	200	250	ug/L
Q3017-05	TT-079-IDWGW-20250903	Water	Lead	23.8	JD	5.75	24.0	30.0	ug/L
Q3017-05	TT-079-IDWGW-20250903	Water	Magnesium	4110	JD	610	1250	5000	ug/L
Q3017-05	TT-079-IDWGW-20250903	Water	Manganese	291	D	14.9	37.5	50.0	ug/L
Q3017-05	TT-079-IDWGW-20250903	Water	Nickel	17.0	JD	7.65	25.0	100	ug/L
Q3017-05	TT-079-IDWGW-20250903	Water	Sodium	23800	D	2170	2500	5000	ug/L
Q3017-05	TT-079-IDWGW-20250903	Water	Vanadium	22.9	JD	15.7	50.0	100	ug/L
Q3017-05	TT-079-IDWGW-20250903	Water	Zinc	46.1	JD	41.7	37.5	100	ug/L



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/03/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/04/25
Client Sample ID:	TT-076-IDWGW-20250903	SDG No.:	Q3017
Lab Sample ID:	Q3017-02	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	23900	D	5	28.4	200	250	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7440-36-0	Antimony	31.3	UD	5	16.9	31.3	125	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7440-38-2	Arsenic	37.5	UD	5	12.8	37.5	50.0	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7440-39-3	Barium	44.3	JDN	5	36.4	62.5	250	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7440-41-7	Beryllium	3.75	UD	5	1.40	3.75	15.0	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7440-43-9	Cadmium	3.75	UD	5	1.25	3.75	15.0	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7440-70-2	Calcium	9690	D	5	585	1250	5000	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7440-47-3	Chromium	27.0	D	5	5.30	12.5	25.0	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7440-48-4	Cobalt	7.07	JD	5	5.65	18.8	75.0	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7440-50-8	Copper	24.3	JD	5	11.5	40.0	50.0	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7439-89-6	Iron	11200	D	5	58.5	200	250	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7439-92-1	Lead	22.4	JD	5	5.75	24.0	30.0	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7439-95-4	Magnesium	3990	JD	5	610	1250	5000	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7439-96-5	Manganese	168	DN	5	14.9	37.5	50.0	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7439-97-6	Mercury	0.16	U	1	0.076	0.16	0.20	ug/L	09/05/25 09:20	09/05/25 15:43	7470A	
7440-02-0	Nickel	18.9	JD	5	7.65	25.0	100	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7440-09-7	Potassium	61600	DN	5	2300	4000	5000	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7782-49-2	Selenium	40.0	UD	5	24.1	40.0	50.0	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7440-22-4	Silver	12.5	UD	5	4.05	12.5	25.0	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7440-23-5	Sodium	53600	D	5	2170	2500	5000	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7440-28-0	Thallium	50.0	UD	5	10.9	50.0	100	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7440-62-2	Vanadium	24.2	JD	5	15.7	50.0	100	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010
7440-66-6	Zinc	37.5	UDN	5	41.7	37.5	100	ug/L	09/04/25 12:05	09/05/25 12:59	6010D	SW3010

Color Before:	Brown	Clarity Before:	Cloudy	Texture:
Color After:	Light brown	Clarity After:	Clear	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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/03/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/04/25
Client Sample ID:	TT-077-IDWGW-20250903	SDG No.:	Q3017
Lab Sample ID:	Q3017-03	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	34900	D	5	28.4	200	250	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7440-36-0	Antimony	31.3	UD	5	16.9	31.3	125	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7440-38-2	Arsenic	37.5	UD	5	12.8	37.5	50.0	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7440-39-3	Barium	82.5	JDN	5	36.4	62.5	250	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7440-41-7	Beryllium	2.06	JD	5	1.40	3.75	15.0	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7440-43-9	Cadmium	3.75	UD	5	1.25	3.75	15.0	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7440-70-2	Calcium	12600	D	5	585	1250	5000	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7440-47-3	Chromium	26.2	D	5	5.30	12.5	25.0	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7440-48-4	Cobalt	8.47	JD	5	5.65	18.8	75.0	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7440-50-8	Copper	20.0	JD	5	11.5	40.0	50.0	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7439-89-6	Iron	21100	D	5	58.5	200	250	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7439-92-1	Lead	32.5	D	5	5.75	24.0	30.0	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7439-95-4	Magnesium	6400	D	5	610	1250	5000	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7439-96-5	Manganese	495	DN	5	14.9	37.5	50.0	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7439-97-6	Mercury	0.11	J	1	0.076	0.16	0.20	ug/L	09/05/25 09:20	09/05/25 15:46	7470A	
7440-02-0	Nickel	16.6	JD	5	7.65	25.0	100	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7440-09-7	Potassium	4000	UDN	5	2300	4000	5000	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7782-49-2	Selenium	40.0	UD	5	24.1	40.0	50.0	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7440-22-4	Silver	12.5	UD	5	4.05	12.5	25.0	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7440-23-5	Sodium	36400	D	5	2170	2500	5000	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7440-28-0	Thallium	50.0	UD	5	10.9	50.0	100	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7440-62-2	Vanadium	24.9	JD	5	15.7	50.0	100	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010
7440-66-6	Zinc	60.6	JDN	5	41.7	37.5	100	ug/L	09/04/25 12:05	09/05/25 13:03	6010D	SW3010

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

U = Not Detected
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 N = Spiked sample recovery not within control limits

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/03/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/04/25
Client Sample ID:	TT-078-IDWGW-20250903	SDG No.:	Q3017
Lab Sample ID:	Q3017-04	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	34900	D	5	28.4	200	250	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7440-36-0	Antimony	31.3	UD	5	16.9	31.3	125	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7440-38-2	Arsenic	37.5	UD	5	12.8	37.5	50.0	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7440-39-3	Barium	89.2	JDN	5	36.4	62.5	250	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7440-41-7	Beryllium	1.92	JD	5	1.40	3.75	15.0	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7440-43-9	Cadmium	3.75	UD	5	1.25	3.75	15.0	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7440-70-2	Calcium	14100	D	5	585	1250	5000	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7440-47-3	Chromium	29.8	D	5	5.30	12.5	25.0	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7440-48-4	Cobalt	10.3	JD	5	5.65	18.8	75.0	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7440-50-8	Copper	22.6	JD	5	11.5	40.0	50.0	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7439-89-6	Iron	15500	D	5	58.5	200	250	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7439-92-1	Lead	31.7	D	5	5.75	24.0	30.0	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7439-95-4	Magnesium	5670	D	5	610	1250	5000	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7439-96-5	Manganese	445	DN	5	14.9	37.5	50.0	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7439-97-6	Mercury	0.16	U	1	0.076	0.16	0.20	ug/L	09/05/25 09:20	09/05/25 15:48	7470A	
7440-02-0	Nickel	19.2	JD	5	7.65	25.0	100	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7440-09-7	Potassium	3170	JDN	5	2300	4000	5000	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7782-49-2	Selenium	40.0	UD	5	24.1	40.0	50.0	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7440-22-4	Silver	12.5	UD	5	4.05	12.5	25.0	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7440-23-5	Sodium	30600	D	5	2170	2500	5000	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7440-28-0	Thallium	50.0	UD	5	10.9	50.0	100	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7440-62-2	Vanadium	32.0	JD	5	15.7	50.0	100	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010
7440-66-6	Zinc	60.6	JDN	5	41.7	37.5	100	ug/L	09/04/25 12:05	09/05/25 13:07	6010D	SW3010

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/03/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/04/25
Client Sample ID:	TT-079-IDWGW-20250903	SDG No.:	Q3017
Lab Sample ID:	Q3017-05	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	21700	D	5	28.4	200	250	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7440-36-0	Antimony	31.3	UD	5	16.9	31.3	125	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7440-38-2	Arsenic	37.5	UD	5	12.8	37.5	50.0	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7440-39-3	Barium	167	JDN	5	36.4	62.5	250	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7440-41-7	Beryllium	3.75	UD	5	1.40	3.75	15.0	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7440-43-9	Cadmium	3.75	UD	5	1.25	3.75	15.0	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7440-70-2	Calcium	9470	D	5	585	1250	5000	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7440-47-3	Chromium	23.2	JD	5	5.30	12.5	25.0	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7440-48-4	Cobalt	12.9	JD	5	5.65	18.8	75.0	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7440-50-8	Copper	22.9	JD	5	11.5	40.0	50.0	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7439-89-6	Iron	9770	D	5	58.5	200	250	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7439-92-1	Lead	23.8	JD	5	5.75	24.0	30.0	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7439-95-4	Magnesium	4110	JD	5	610	1250	5000	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7439-96-5	Manganese	291	DN	5	14.9	37.5	50.0	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7439-97-6	Mercury	0.16	U	1	0.076	0.16	0.20	ug/L	09/05/25 09:20	09/05/25 15:50	7470A	
7440-02-0	Nickel	17.0	JD	5	7.65	25.0	100	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7440-09-7	Potassium	4000	UDN	5	2300	4000	5000	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7782-49-2	Selenium	40.0	UD	5	24.1	40.0	50.0	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7440-22-4	Silver	12.5	UD	5	4.05	12.5	25.0	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7440-23-5	Sodium	23800	D	5	2170	2500	5000	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7440-28-0	Thallium	50.0	UD	5	10.9	50.0	100	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7440-62-2	Vanadium	22.9	JD	5	15.7	50.0	100	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010
7440-66-6	Zinc	46.1	JDN	5	41.7	37.5	100	ug/L	09/04/25 12:05	09/05/25 13:11	6010D	SW3010

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

U = Not Detected
 LOQ = Limit of Quantitation
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J = Estimated Value
 B = Analyte Found in Associated Method Blank
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 N = Spiked sample recovery not within control limits



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

Lab Code: ACE

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
ICV21	Mercury	3.82	4.0	95	90 - 110	CV	09/05/2025	15:20	1b137094

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

Lab Code: ACE

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
CCV60	Mercury	4.97	5.0	99	90 - 110	CV	09/05/2025	15:25	1b137094
CCV61	Mercury	5.04	5.0	101	90 - 110	CV	09/05/2025	15:55	1b137094
CCV62	Mercury	4.97	5.0	99	90 - 110	CV	09/05/2025	16:25	1b137094
CCV63	Mercury	5.07	5.0	102	90 - 110	CV	09/05/2025	16:41	1b137094

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

Lab Code: ACE

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	7890	8000	99	90 - 110	P	09/05/2025	11:44	LB137103
	Antimony	4070	4000	102	90 - 110	P	09/05/2025	11:44	LB137103
	Arsenic	3960	4000	99	90 - 110	P	09/05/2025	11:44	LB137103
	Barium	7880	8000	99	90 - 110	P	09/05/2025	11:44	LB137103
	Beryllium	202	200	101	90 - 110	P	09/05/2025	11:44	LB137103
	Cadmium	1960	2000	98	90 - 110	P	09/05/2025	11:44	LB137103
	Calcium	19700	20000	98	90 - 110	P	09/05/2025	11:44	LB137103
	Chromium	809	800	101	90 - 110	P	09/05/2025	11:44	LB137103
	Cobalt	1970	2000	99	90 - 110	P	09/05/2025	11:44	LB137103
	Copper	1010	1000	101	90 - 110	P	09/05/2025	11:44	LB137103
	Iron	3950	4000	99	90 - 110	P	09/05/2025	11:44	LB137103
	Lead	3880	4000	97	90 - 110	P	09/05/2025	11:44	LB137103
	Magnesium	19700	20000	99	90 - 110	P	09/05/2025	11:44	LB137103
	Manganese	1970	2000	98	90 - 110	P	09/05/2025	11:44	LB137103
	Nickel	1980	2000	99	90 - 110	P	09/05/2025	11:44	LB137103
	Potassium	19500	20000	97	90 - 110	P	09/05/2025	11:44	LB137103
	Selenium	4000	4000	100	90 - 110	P	09/05/2025	11:44	LB137103
	Silver	1010	1000	101	90 - 110	P	09/05/2025	11:44	LB137103
	Sodium	19200	20000	96	90 - 110	P	09/05/2025	11:44	LB137103
	Thallium	3830	4000	96	90 - 110	P	09/05/2025	11:44	LB137103
	Vanadium	1970	2000	98	90 - 110	P	09/05/2025	11:44	LB137103
	Zinc	1990	2000	100	90 - 110	P	09/05/2025	11:44	LB137103

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

Lab Code: ACE

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	111	100	111	80 - 120	P	09/05/2025	11:48	LB137103
	Antimony	52.2	50.0	104	80 - 120	P	09/05/2025	11:48	LB137103
	Arsenic	19.4	20.0	97	80 - 120	P	09/05/2025	11:48	LB137103
	Barium	102	100	102	80 - 120	P	09/05/2025	11:48	LB137103
	Beryllium	6.33	6.0	106	80 - 120	P	09/05/2025	11:48	LB137103
	Cadmium	6.02	6.0	100	80 - 120	P	09/05/2025	11:48	LB137103
	Calcium	2070	2000	104	80 - 120	P	09/05/2025	11:48	LB137103
	Chromium	9.77	10.0	98	80 - 120	P	09/05/2025	11:48	LB137103
	Cobalt	30.0	30.0	100	80 - 120	P	09/05/2025	11:48	LB137103
	Copper	21.7	20.0	108	80 - 120	P	09/05/2025	11:48	LB137103
	Iron	105	100	105	80 - 120	P	09/05/2025	11:48	LB137103
	Lead	10.9	12.0	91	80 - 120	P	09/05/2025	11:48	LB137103
	Magnesium	2200	2000	110	80 - 120	P	09/05/2025	11:48	LB137103
	Manganese	22.4	20.0	112	80 - 120	P	09/05/2025	11:48	LB137103
	Nickel	40.9	40.0	102	80 - 120	P	09/05/2025	11:48	LB137103
	Potassium	1980	2000	99	80 - 120	P	09/05/2025	11:48	LB137103
	Selenium	22.8	20.0	114	80 - 120	P	09/05/2025	11:48	LB137103
	Silver	10.3	10.0	103	80 - 120	P	09/05/2025	11:48	LB137103
	Sodium	1990	2000	100	80 - 120	P	09/05/2025	11:48	LB137103
	Thallium	42.2	40.0	106	80 - 120	P	09/05/2025	11:48	LB137103
	Vanadium	36.7	40.0	92	80 - 120	P	09/05/2025	11:48	LB137103
	Zinc	42.3	40.0	106	80 - 120	P	09/05/2025	11:48	LB137103

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

Lab Code: ACE

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	9910	10000	99	90 - 110	P	09/05/2025	12:28	LB137103
	Antimony	4990	5000	100	90 - 110	P	09/05/2025	12:28	LB137103
	Arsenic	4950	5000	99	90 - 110	P	09/05/2025	12:28	LB137103
	Barium	9940	10000	99	90 - 110	P	09/05/2025	12:28	LB137103
	Beryllium	250	250	100	90 - 110	P	09/05/2025	12:28	LB137103
	Cadmium	2450	2500	98	90 - 110	P	09/05/2025	12:28	LB137103
	Calcium	24700	25000	99	90 - 110	P	09/05/2025	12:28	LB137103
	Chromium	994	1000	99	90 - 110	P	09/05/2025	12:28	LB137103
	Cobalt	2450	2500	98	90 - 110	P	09/05/2025	12:28	LB137103
	Copper	1240	1250	99	90 - 110	P	09/05/2025	12:28	LB137103
	Iron	4930	5000	99	90 - 110	P	09/05/2025	12:28	LB137103
	Lead	4880	5000	98	90 - 110	P	09/05/2025	12:28	LB137103
	Magnesium	24400	25000	98	90 - 110	P	09/05/2025	12:28	LB137103
	Manganese	2460	2500	98	90 - 110	P	09/05/2025	12:28	LB137103
	Nickel	2450	2500	98	90 - 110	P	09/05/2025	12:28	LB137103
	Potassium	24400	25000	98	90 - 110	P	09/05/2025	12:28	LB137103
	Selenium	4950	5000	99	90 - 110	P	09/05/2025	12:28	LB137103
	Silver	1240	1250	100	90 - 110	P	09/05/2025	12:28	LB137103
	Sodium	24200	25000	97	90 - 110	P	09/05/2025	12:28	LB137103
	Thallium	4760	5000	95	90 - 110	P	09/05/2025	12:28	LB137103
	Vanadium	2480	2500	99	90 - 110	P	09/05/2025	12:28	LB137103
	Zinc	2490	2500	100	90 - 110	P	09/05/2025	12:28	LB137103
CCV02	Aluminum	9830	10000	98	90 - 110	P	09/05/2025	13:20	LB137103
	Antimony	5090	5000	102	90 - 110	P	09/05/2025	13:20	LB137103
	Arsenic	5070	5000	101	90 - 110	P	09/05/2025	13:20	LB137103
	Barium	9800	10000	98	90 - 110	P	09/05/2025	13:20	LB137103
	Beryllium	241	250	96	90 - 110	P	09/05/2025	13:20	LB137103
	Cadmium	2470	2500	99	90 - 110	P	09/05/2025	13:20	LB137103
	Calcium	24500	25000	98	90 - 110	P	09/05/2025	13:20	LB137103
	Chromium	989	1000	99	90 - 110	P	09/05/2025	13:20	LB137103
	Cobalt	2470	2500	99	90 - 110	P	09/05/2025	13:20	LB137103
	Copper	1260	1250	101	90 - 110	P	09/05/2025	13:20	LB137103
	Iron	5030	5000	101	90 - 110	P	09/05/2025	13:20	LB137103
	Lead	4900	5000	98	90 - 110	P	09/05/2025	13:20	LB137103

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

Lab Code: ACE

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	24200	25000	97	90 - 110	P	09/05/2025	13:20	LB137103
	Manganese	2440	2500	98	90 - 110	P	09/05/2025	13:20	LB137103
	Nickel	2470	2500	99	90 - 110	P	09/05/2025	13:20	LB137103
	Potassium	25000	25000	100	90 - 110	P	09/05/2025	13:20	LB137103
	Selenium	5120	5000	102	90 - 110	P	09/05/2025	13:20	LB137103
	Silver	1250	1250	100	90 - 110	P	09/05/2025	13:20	LB137103
	Sodium	24700	25000	99	90 - 110	P	09/05/2025	13:20	LB137103
	Thallium	5410	5000	108	90 - 110	P	09/05/2025	13:20	LB137103
	Vanadium	2460	2500	98	90 - 110	P	09/05/2025	13:20	LB137103
	Zinc	2510	2500	100	90 - 110	P	09/05/2025	13:20	LB137103
CCV03	Aluminum	9840	10000	98	90 - 110	P	09/05/2025	14:29	LB137103
	Antimony	5090	5000	102	90 - 110	P	09/05/2025	14:29	LB137103
	Arsenic	5090	5000	102	90 - 110	P	09/05/2025	14:29	LB137103
	Barium	9960	10000	100	90 - 110	P	09/05/2025	14:29	LB137103
	Beryllium	240	250	96	90 - 110	P	09/05/2025	14:29	LB137103
	Cadmium	2470	2500	99	90 - 110	P	09/05/2025	14:29	LB137103
	Calcium	24500	25000	98	90 - 110	P	09/05/2025	14:29	LB137103
	Chromium	988	1000	99	90 - 110	P	09/05/2025	14:29	LB137103
	Cobalt	2470	2500	99	90 - 110	P	09/05/2025	14:29	LB137103
	Copper	1260	1250	101	90 - 110	P	09/05/2025	14:29	LB137103
	Iron	5100	5000	102	90 - 110	P	09/05/2025	14:29	LB137103
	Lead	4900	5000	98	90 - 110	P	09/05/2025	14:29	LB137103
	Magnesium	24400	25000	98	90 - 110	P	09/05/2025	14:29	LB137103
	Manganese	2450	2500	98	90 - 110	P	09/05/2025	14:29	LB137103
	Nickel	2480	2500	99	90 - 110	P	09/05/2025	14:29	LB137103
	Potassium	25300	25000	101	90 - 110	P	09/05/2025	14:29	LB137103
	Selenium	5160	5000	103	90 - 110	P	09/05/2025	14:29	LB137103
	Silver	1250	1250	100	90 - 110	P	09/05/2025	14:29	LB137103
	Sodium	25500	25000	102	90 - 110	P	09/05/2025	14:29	LB137103
	Thallium	5140	5000	103	90 - 110	P	09/05/2025	14:29	LB137103
CCV04	Vanadium	2470	2500	99	90 - 110	P	09/05/2025	14:29	LB137103
	Zinc	2520	2500	101	90 - 110	P	09/05/2025	14:29	LB137103
	Aluminum	9610	10000	96	90 - 110	P	09/05/2025	15:36	LB137103
	Antimony	5060	5000	101	90 - 110	P	09/05/2025	15:36	LB137103

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc.
Contract: TETR06
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

SDG No.: Q3017
Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	4970	5000	99	90 - 110	P	09/05/2025	15:36	LB137103
	Barium	9750	10000	98	90 - 110	P	09/05/2025	15:36	LB137103
	Beryllium	227	250	91	90 - 110	P	09/05/2025	15:36	LB137103
	Cadmium	2360	2500	94	90 - 110	P	09/05/2025	15:36	LB137103
	Calcium	23700	25000	95	90 - 110	P	09/05/2025	15:36	LB137103
	Chromium	965	1000	96	90 - 110	P	09/05/2025	15:36	LB137103
	Cobalt	2380	2500	95	90 - 110	P	09/05/2025	15:36	LB137103
	Copper	1220	1250	98	90 - 110	P	09/05/2025	15:36	LB137103
	Iron	5150	5000	103	90 - 110	P	09/05/2025	15:36	LB137103
	Lead	4720	5000	94	90 - 110	P	09/05/2025	15:36	LB137103
	Magnesium	23400	25000	94	90 - 110	P	09/05/2025	15:36	LB137103
	Manganese	2370	2500	95	90 - 110	P	09/05/2025	15:36	LB137103
	Nickel	2380	2500	95	90 - 110	P	09/05/2025	15:36	LB137103
	Potassium	25300	25000	101	90 - 110	P	09/05/2025	15:36	LB137103
	Selenium	5050	5000	101	90 - 110	P	09/05/2025	15:36	LB137103
	Silver	1230	1250	98	90 - 110	P	09/05/2025	15:36	LB137103
	Sodium	25300	25000	101	90 - 110	P	09/05/2025	15:36	LB137103
	Thallium	4960	5000	99	90 - 110	P	09/05/2025	15:36	LB137103
	Vanadium	2420	2500	97	90 - 110	P	09/05/2025	15:36	LB137103
	Zinc	2480	2500	99	90 - 110	P	09/05/2025	15:36	LB137103
CCV05	Aluminum	9650	10000	96	90 - 110	P	09/05/2025	16:06	LB137103
	Antimony	5070	5000	101	90 - 110	P	09/05/2025	16:06	LB137103
	Arsenic	4990	5000	100	90 - 110	P	09/05/2025	16:06	LB137103
	Barium	9650	10000	96	90 - 110	P	09/05/2025	16:06	LB137103
	Beryllium	230	250	92	90 - 110	P	09/05/2025	16:06	LB137103
	Cadmium	2360	2500	94	90 - 110	P	09/05/2025	16:06	LB137103
	Calcium	23600	25000	95	90 - 110	P	09/05/2025	16:06	LB137103
	Chromium	964	1000	96	90 - 110	P	09/05/2025	16:06	LB137103
	Cobalt	2380	2500	95	90 - 110	P	09/05/2025	16:06	LB137103
	Copper	1230	1250	98	90 - 110	P	09/05/2025	16:06	LB137103
	Iron	5120	5000	102	90 - 110	P	09/05/2025	16:06	LB137103
	Lead	4710	5000	94	90 - 110	P	09/05/2025	16:06	LB137103
	Magnesium	23400	25000	94	90 - 110	P	09/05/2025	16:06	LB137103
	Manganese	2360	2500	94	90 - 110	P	09/05/2025	16:06	LB137103

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

Lab Code: ACE

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	2390	2500	96	90 - 110	P	09/05/2025	16:06	LB137103
	Potassium	24700	25000	99	90 - 110	P	09/05/2025	16:06	LB137103
	Selenium	5060	5000	101	90 - 110	P	09/05/2025	16:06	LB137103
	Silver	1230	1250	98	90 - 110	P	09/05/2025	16:06	LB137103
	Sodium	24300	25000	97	90 - 110	P	09/05/2025	16:06	LB137103
	Thallium	4910	5000	98	90 - 110	P	09/05/2025	16:06	LB137103
	Vanadium	2410	2500	96	90 - 110	P	09/05/2025	16:06	LB137103
	Zinc	2470	2500	99	90 - 110	P	09/05/2025	16:06	LB137103

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

Lab Code: ACE

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Aluminum	109	100	109	65 - 135	P	09/05/2025	11:59	LB137103
	Antimony	52.2	50.0	104	65 - 135	P	09/05/2025	11:59	LB137103
	Arsenic	19.5	20.0	98	65 - 135	P	09/05/2025	11:59	LB137103
	Barium	99.4	100	99	65 - 135	P	09/05/2025	11:59	LB137103
	Beryllium	6.32	6.0	105	65 - 135	P	09/05/2025	11:59	LB137103
	Cadmium	6.07	6.0	101	65 - 135	P	09/05/2025	11:59	LB137103
	Calcium	2070	2000	104	65 - 135	P	09/05/2025	11:59	LB137103
	Chromium	10.3	10.0	103	65 - 135	P	09/05/2025	11:59	LB137103
	Cobalt	30.2	30.0	101	65 - 135	P	09/05/2025	11:59	LB137103
	Copper	21.8	20.0	109	65 - 135	P	09/05/2025	11:59	LB137103
	Iron	99.2	100	99	65 - 135	P	09/05/2025	11:59	LB137103
	Lead	12.3	12.0	102	65 - 135	P	09/05/2025	11:59	LB137103
	Magnesium	2190	2000	110	65 - 135	P	09/05/2025	11:59	LB137103
	Manganese	22.2	20.0	111	65 - 135	P	09/05/2025	11:59	LB137103
	Nickel	40.8	40.0	102	65 - 135	P	09/05/2025	11:59	LB137103
	Potassium	1870	2000	94	65 - 135	P	09/05/2025	11:59	LB137103
	Selenium	19.4	20.0	97	65 - 135	P	09/05/2025	11:59	LB137103
	Silver	10.6	10.0	106	65 - 135	P	09/05/2025	11:59	LB137103
	Sodium	1870	2000	94	65 - 135	P	09/05/2025	11:59	LB137103
	Thallium	41.8	40.0	104	65 - 135	P	09/05/2025	11:59	LB137103
	Vanadium	40.0	40.0	100	65 - 135	P	09/05/2025	11:59	LB137103
	Zinc	42.3	40.0	106	65 - 135	P	09/05/2025	11:59	LB137103
CRA	Mercury	0.23	0.2	114	70 - 130	CV	09/05/2025	15:29	lb137094



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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB21	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	09/05/2025	15:23	lb137094

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB60	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	09/05/2025	15:27	lb137094
CCB61	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	09/05/2025	15:57	lb137094
CCB62	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	09/05/2025	16:27	lb137094
CCB63	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	09/05/2025	16:43	lb137094

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	11.3	+/-50	U	80.0	100	P	09/05/2025	11:54	LB137103
	Antimony	6.76	+/-25	U	12.5	50.0	P	09/05/2025	11:54	LB137103
	Arsenic	5.12	+/-10	U	15.0	20.0	P	09/05/2025	11:54	LB137103
	Barium	14.6	+/-50	U	25.0	100	P	09/05/2025	11:54	LB137103
	Beryllium	0.56	+/-3	U	1.50	6.00	P	09/05/2025	11:54	LB137103
	Cadmium	0.50	+/-3	U	1.50	6.00	P	09/05/2025	11:54	LB137103
	Calcium	234	+/-1000	U	500	2000	P	09/05/2025	11:54	LB137103
	Chromium	2.12	+/-5	U	5.00	10.0	P	09/05/2025	11:54	LB137103
	Cobalt	2.26	+/-15	U	7.50	30.0	P	09/05/2025	11:54	LB137103
	Copper	4.60	+/-10	U	16.0	20.0	P	09/05/2025	11:54	LB137103
	Iron	23.4	+/-50	U	80.0	100	P	09/05/2025	11:54	LB137103
	Lead	2.30	+/-6	U	9.60	12.0	P	09/05/2025	11:54	LB137103
	Magnesium	244	+/-1000	U	500	2000	P	09/05/2025	11:54	LB137103
	Manganese	5.94	+/-10	U	15.0	20.0	P	09/05/2025	11:54	LB137103
	Nickel	3.06	+/-20	U	10.0	40.0	P	09/05/2025	11:54	LB137103
	Potassium	918	+/-1000	U	1600	2000	P	09/05/2025	11:54	LB137103
	Selenium	9.64	+/-10	U	16.0	20.0	P	09/05/2025	11:54	LB137103
	Silver	1.62	+/-5	U	5.00	10.0	P	09/05/2025	11:54	LB137103
	Sodium	868	+/-1000	U	1000	2000	P	09/05/2025	11:54	LB137103
	Thallium	4.38	+/-20	U	20.0	40.0	P	09/05/2025	11:54	LB137103
	Vanadium	6.26	+/-20	U	20.0	40.0	P	09/05/2025	11:54	LB137103
	Zinc	16.7	+/-20	U	15.0	40.0	P	09/05/2025	11:54	LB137103

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	11.3	+/-50	U	80.0	100	P	09/05/2025	12:32	LB137103
	Antimony	6.76	+/-25	U	12.5	50.0	P	09/05/2025	12:32	LB137103
	Arsenic	5.12	+/-10	U	15.0	20.0	P	09/05/2025	12:32	LB137103
	Barium	14.6	+/-50	U	25.0	100	P	09/05/2025	12:32	LB137103
	Beryllium	0.56	+/-3	U	1.50	6.00	P	09/05/2025	12:32	LB137103
	Cadmium	0.50	+/-3	U	1.50	6.00	P	09/05/2025	12:32	LB137103
	Calcium	234	+/-1000	U	500	2000	P	09/05/2025	12:32	LB137103
	Chromium	2.12	+/-5	U	5.00	10.0	P	09/05/2025	12:32	LB137103
	Cobalt	2.26	+/-15	U	7.50	30.0	P	09/05/2025	12:32	LB137103
	Copper	4.60	+/-10	U	16.0	20.0	P	09/05/2025	12:32	LB137103
	Iron	23.4	+/-50	U	80.0	100	P	09/05/2025	12:32	LB137103
	Lead	2.30	+/-6	U	9.60	12.0	P	09/05/2025	12:32	LB137103
	Magnesium	244	+/-1000	U	500	2000	P	09/05/2025	12:32	LB137103
	Manganese	5.94	+/-10	U	15.0	20.0	P	09/05/2025	12:32	LB137103
	Nickel	3.06	+/-20	U	10.0	40.0	P	09/05/2025	12:32	LB137103
	Potassium	918	+/-1000	U	1600	2000	P	09/05/2025	12:32	LB137103
	Selenium	9.64	+/-10	U	16.0	20.0	P	09/05/2025	12:32	LB137103
	Silver	1.62	+/-5	U	5.00	10.0	P	09/05/2025	12:32	LB137103
	Sodium	868	+/-1000	U	1000	2000	P	09/05/2025	12:32	LB137103
	Thallium	4.38	+/-20	U	20.0	40.0	P	09/05/2025	12:32	LB137103
	Vanadium	6.26	+/-20	U	20.0	40.0	P	09/05/2025	12:32	LB137103
	Zinc	18.9	+/-20	J	15.0	40.0	P	09/05/2025	12:32	LB137103
CCB02	Aluminum	11.3	+/-50	U	80.0	100	P	09/05/2025	13:24	LB137103
	Antimony	6.76	+/-25	U	12.5	50.0	P	09/05/2025	13:24	LB137103
	Arsenic	5.12	+/-10	U	15.0	20.0	P	09/05/2025	13:24	LB137103
	Barium	14.6	+/-50	U	25.0	100	P	09/05/2025	13:24	LB137103
	Beryllium	0.56	+/-3	U	1.50	6.00	P	09/05/2025	13:24	LB137103
	Cadmium	0.50	+/-3	U	1.50	6.00	P	09/05/2025	13:24	LB137103
	Calcium	234	+/-1000	U	500	2000	P	09/05/2025	13:24	LB137103
	Chromium	2.12	+/-5	U	5.00	10.0	P	09/05/2025	13:24	LB137103
	Cobalt	2.26	+/-15	U	7.50	30.0	P	09/05/2025	13:24	LB137103
	Copper	4.60	+/-10	U	16.0	20.0	P	09/05/2025	13:24	LB137103
	Iron	23.4	+/-50	U	80.0	100	P	09/05/2025	13:24	LB137103
	Lead	2.30	+/-6	U	9.60	12.0	P	09/05/2025	13:24	LB137103
	Magnesium	244	+/-1000	U	500	2000	P	09/05/2025	13:24	LB137103
	Manganese	5.94	+/-10	U	15.0	20.0	P	09/05/2025	13:24	LB137103
	Nickel	3.06	+/-20	U	10.0	40.0	P	09/05/2025	13:24	LB137103
	Potassium	918	+/-1000	U	1600	2000	P	09/05/2025	13:24	LB137103
	Selenium	9.64	+/-10	U	16.0	20.0	P	09/05/2025	13:24	LB137103

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.62	+/-5	U	5.00	10.0	P	09/05/2025	13:24	LB137103
	Sodium	868	+/-1000	U	1000	2000	P	09/05/2025	13:24	LB137103
	Thallium	4.38	+/-20	U	20.0	40.0	P	09/05/2025	13:24	LB137103
	Vanadium	6.26	+/-20	U	20.0	40.0	P	09/05/2025	13:24	LB137103
	Zinc	16.7	+/-20	U	15.0	40.0	P	09/05/2025	13:24	LB137103
CCB03	Aluminum	11.3	+/-50	U	80.0	100	P	09/05/2025	14:33	LB137103
	Antimony	6.76	+/-25	U	12.5	50.0	P	09/05/2025	14:33	LB137103
	Arsenic	5.12	+/-10	U	15.0	20.0	P	09/05/2025	14:33	LB137103
	Barium	14.6	+/-50	U	25.0	100	P	09/05/2025	14:33	LB137103
	Beryllium	0.56	+/-3	U	1.50	6.00	P	09/05/2025	14:33	LB137103
	Cadmium	0.50	+/-3	U	1.50	6.00	P	09/05/2025	14:33	LB137103
	Calcium	234	+/-1000	U	500	2000	P	09/05/2025	14:33	LB137103
	Chromium	2.12	+/-5	U	5.00	10.0	P	09/05/2025	14:33	LB137103
	Cobalt	2.26	+/-15	U	7.50	30.0	P	09/05/2025	14:33	LB137103
	Copper	4.60	+/-10	U	16.0	20.0	P	09/05/2025	14:33	LB137103
	Iron	23.4	+/-50	U	80.0	100	P	09/05/2025	14:33	LB137103
	Lead	2.30	+/-6	U	9.60	12.0	P	09/05/2025	14:33	LB137103
	Magnesium	244	+/-1000	U	500	2000	P	09/05/2025	14:33	LB137103
	Manganese	5.94	+/-10	U	15.0	20.0	P	09/05/2025	14:33	LB137103
	Nickel	3.06	+/-20	U	10.0	40.0	P	09/05/2025	14:33	LB137103
	Potassium	918	+/-1000	U	1600	2000	P	09/05/2025	14:33	LB137103
	Selenium	9.64	+/-10	U	16.0	20.0	P	09/05/2025	14:33	LB137103
	Silver	1.62	+/-5	U	5.00	10.0	P	09/05/2025	14:33	LB137103
	Sodium	868	+/-1000	U	1000	2000	P	09/05/2025	14:33	LB137103
	Thallium	4.38	+/-20	U	20.0	40.0	P	09/05/2025	14:33	LB137103
	Vanadium	6.26	+/-20	U	20.0	40.0	P	09/05/2025	14:33	LB137103
	Zinc	16.7	+/-20	U	15.0	40.0	P	09/05/2025	14:33	LB137103
CCB04	Aluminum	16.5	+/-50	J	80.0	100	P	09/05/2025	15:40	LB137103
	Antimony	6.76	+/-25	U	12.5	50.0	P	09/05/2025	15:40	LB137103
	Arsenic	5.12	+/-10	U	15.0	20.0	P	09/05/2025	15:40	LB137103
	Barium	14.6	+/-50	U	25.0	100	P	09/05/2025	15:40	LB137103
	Beryllium	0.56	+/-3	U	1.50	6.00	P	09/05/2025	15:40	LB137103
	Cadmium	0.50	+/-3	U	1.50	6.00	P	09/05/2025	15:40	LB137103
	Calcium	234	+/-1000	U	500	2000	P	09/05/2025	15:40	LB137103
	Chromium	2.12	+/-5	U	5.00	10.0	P	09/05/2025	15:40	LB137103
	Cobalt	2.26	+/-15	U	7.50	30.0	P	09/05/2025	15:40	LB137103
	Copper	4.60	+/-10	U	16.0	20.0	P	09/05/2025	15:40	LB137103
	Iron	23.4	+/-50	U	80.0	100	P	09/05/2025	15:40	LB137103
	Lead	2.30	+/-6	U	9.60	12.0	P	09/05/2025	15:40	LB137103

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	244	+/-1000	U	500	2000	P	09/05/2025	15:40	LB137103
	Manganese	5.94	+/-10	U	15.0	20.0	P	09/05/2025	15:40	LB137103
	Nickel	3.06	+/-20	U	10.0	40.0	P	09/05/2025	15:40	LB137103
	Potassium	918	+/-1000	U	1600	2000	P	09/05/2025	15:40	LB137103
	Selenium	9.64	+/-10	U	16.0	20.0	P	09/05/2025	15:40	LB137103
	Silver	1.62	+/-5	U	5.00	10.0	P	09/05/2025	15:40	LB137103
	Sodium	868	+/-1000	U	1000	2000	P	09/05/2025	15:40	LB137103
	Thallium	4.38	+/-20	U	20.0	40.0	P	09/05/2025	15:40	LB137103
	Vanadium	6.26	+/-20	U	20.0	40.0	P	09/05/2025	15:40	LB137103
	Zinc	16.7	+/-20	U	15.0	40.0	P	09/05/2025	15:40	LB137103
CCB05	Aluminum	11.3	+/-50	U	80.0	100	P	09/05/2025	16:15	LB137103
	Antimony	6.76	+/-25	U	12.5	50.0	P	09/05/2025	16:15	LB137103
	Arsenic	5.12	+/-10	U	15.0	20.0	P	09/05/2025	16:15	LB137103
	Barium	14.6	+/-50	U	25.0	100	P	09/05/2025	16:15	LB137103
	Beryllium	0.56	+/-3	U	1.50	6.00	P	09/05/2025	16:15	LB137103
	Cadmium	0.50	+/-3	U	1.50	6.00	P	09/05/2025	16:15	LB137103
	Calcium	234	+/-1000	U	500	2000	P	09/05/2025	16:15	LB137103
	Chromium	2.12	+/-5	U	5.00	10.0	P	09/05/2025	16:15	LB137103
	Cobalt	2.26	+/-15	U	7.50	30.0	P	09/05/2025	16:15	LB137103
	Copper	4.60	+/-10	U	16.0	20.0	P	09/05/2025	16:15	LB137103
	Iron	23.4	+/-50	U	80.0	100	P	09/05/2025	16:15	LB137103
	Lead	2.30	+/-6	U	9.60	12.0	P	09/05/2025	16:15	LB137103
	Magnesium	244	+/-1000	U	500	2000	P	09/05/2025	16:15	LB137103
	Manganese	5.94	+/-10	U	15.0	20.0	P	09/05/2025	16:15	LB137103
	Nickel	3.06	+/-20	U	10.0	40.0	P	09/05/2025	16:15	LB137103
	Potassium	918	+/-1000	U	1600	2000	P	09/05/2025	16:15	LB137103
	Selenium	9.64	+/-10	U	16.0	20.0	P	09/05/2025	16:15	LB137103
	Silver	1.62	+/-5	U	5.00	10.0	P	09/05/2025	16:15	LB137103
	Sodium	868	+/-1000	U	1000	2000	P	09/05/2025	16:15	LB137103
	Thallium	4.38	+/-20	U	20.0	40.0	P	09/05/2025	16:15	LB137103
	Vanadium	6.26	+/-20	U	20.0	40.0	P	09/05/2025	16:15	LB137103
	Zinc	16.7	+/-20	U	15.0	40.0	P	09/05/2025	16:15	LB137103

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169582BL		WATER		Batch Number:		PB169582		Prep Date:	09/05/2025	
	Mercury	0.076	<0.2	U	0.16	0.20	CV	09/05/2025	15:39	lb137094

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169555BL	WATER			Batch Number:		PB169555		Prep Date:	09/04/2025	
	Aluminum	5.67	<25	U	40.0	50.0	P	09/05/2025	12:50	LB137103
	Antimony	3.38	<12.5	U	6.25	25.0	P	09/05/2025	12:50	LB137103
	Arsenic	2.56	<5	U	7.50	10.0	P	09/05/2025	12:50	LB137103
	Barium	7.28	<25	U	12.5	50.0	P	09/05/2025	12:50	LB137103
	Beryllium	0.28	<1.5	U	0.75	3.00	P	09/05/2025	12:50	LB137103
	Cadmium	0.25	<1.5	U	0.75	3.00	P	09/05/2025	12:50	LB137103
	Calcium	117	<500	U	250	1000	P	09/05/2025	12:50	LB137103
	Chromium	1.06	<2.5	U	2.50	5.00	P	09/05/2025	12:50	LB137103
	Cobalt	1.13	<7.5	U	3.75	15.0	P	09/05/2025	12:50	LB137103
	Copper	2.30	<5	U	8.00	10.0	P	09/05/2025	12:50	LB137103
	Iron	11.7	<25	U	40.0	50.0	P	09/05/2025	12:50	LB137103
	Lead	1.15	<3	U	4.80	6.00	P	09/05/2025	12:50	LB137103
	Magnesium	122	<500	U	250	1000	P	09/05/2025	12:50	LB137103
	Manganese	2.97	<5	U	7.50	10.0	P	09/05/2025	12:50	LB137103
	Nickel	1.53	<10	U	5.00	20.0	P	09/05/2025	12:50	LB137103
	Potassium	459	<500	U	800	1000	P	09/05/2025	12:50	LB137103
	Selenium	4.82	<5	U	8.00	10.0	P	09/05/2025	12:50	LB137103
	Silver	0.81	<2.5	U	2.50	5.00	P	09/05/2025	12:50	LB137103
	Sodium	434	<500	U	500	1000	P	09/05/2025	12:50	LB137103
	Thallium	2.19	<10	U	10.0	20.0	P	09/05/2025	12:50	LB137103
	Vanadium	3.13	<10	U	10.0	20.0	P	09/05/2025	12:50	LB137103
	Zinc	8.33	<10	U	7.50	20.0	P	09/05/2025	12:50	LB137103

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>Tetra Tech NUS, Inc.</u>	SDG No.: <u>Q3017</u>
Contract: <u>TETR06</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P4</u>

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	248000	255000	97	216000	294000	09/05/2025	12:05	LB137103
	Antimony	-0.24			-50	50	09/05/2025	12:05	LB137103
	Arsenic	-1.25			-20	20	09/05/2025	12:05	LB137103
	Barium	1.09	6.0	18	-94	106	09/05/2025	12:05	LB137103
	Beryllium	1.54			-6	6	09/05/2025	12:05	LB137103
	Cadmium	1.16	1.0	116	-5	7	09/05/2025	12:05	LB137103
	Calcium	236000	245000	96	208000	282000	09/05/2025	12:05	LB137103
	Chromium	54.9	52.0	106	42	62	09/05/2025	12:05	LB137103
	Cobalt	2.02			-30	30	09/05/2025	12:05	LB137103
	Copper	12.2	2.0	610	-18	22	09/05/2025	12:05	LB137103
	Iron	100000	101000	99	85600	116500	09/05/2025	12:05	LB137103
	Lead	3.51			-12	12	09/05/2025	12:05	LB137103
	Magnesium	251000	255000	98	216000	294000	09/05/2025	12:05	LB137103
	Manganese	9.12	7.0	130	-13	27	09/05/2025	12:05	LB137103
	Nickel	7.09	2.0	354	-38	42	09/05/2025	12:05	LB137103
	Potassium	211			0	0	09/05/2025	12:05	LB137103
	Selenium	-1.22			-20	20	09/05/2025	12:05	LB137103
	Silver	1.98			-10	10	09/05/2025	12:05	LB137103
	Sodium	130			0	0	09/05/2025	12:05	LB137103
	Thallium	-4.42			-40	40	09/05/2025	12:05	LB137103
	Vanadium	1.68			-40	40	09/05/2025	12:05	LB137103
	Zinc	4.22			-40	40	09/05/2025	12:05	LB137103
ICSAB01	Aluminum	249000	247000	101	209000	285000	09/05/2025	12:09	LB137103
	Antimony	629	618	102	525	711	09/05/2025	12:09	LB137103
	Arsenic	105	104	101	88.4	120	09/05/2025	12:09	LB137103
	Barium	491	537	91	437	637	09/05/2025	12:09	LB137103
	Beryllium	543	495	110	420	570	09/05/2025	12:09	LB137103
	Cadmium	1010	972	104	826	1120	09/05/2025	12:09	LB137103
	Calcium	235000	235000	100	199000	271000	09/05/2025	12:09	LB137103
	Chromium	583	542	108	460	624	09/05/2025	12:09	LB137103
	Cobalt	509	476	107	404	548	09/05/2025	12:09	LB137103
	Copper	515	511	101	434	588	09/05/2025	12:09	LB137103
	Iron	95800	99300	96	84400	114500	09/05/2025	12:09	LB137103
	Lead	50.2	49.0	102	37	61	09/05/2025	12:09	LB137103
	Magnesium	251000	248000	101	210000	286000	09/05/2025	12:09	LB137103
	Manganese	496	507	98	430	584	09/05/2025	12:09	LB137103
	Nickel	1020	954	107	810	1100	09/05/2025	12:09	LB137103
	Potassium	-136			0	0	09/05/2025	12:09	LB137103
	Selenium	50.5	46.0	110	26	66	09/05/2025	12:09	LB137103
	Silver	224	201	111	170	232	09/05/2025	12:09	LB137103
	Sodium	195			0	0	09/05/2025	12:09	LB137103
	Thallium	111	108	103	68	148	09/05/2025	12:09	LB137103

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Tetra Tech NUS, Inc. **SDG No.:** Q3017
Contract: TETR06 **Lab Code:** ACE
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	487	491	99	417	565	09/05/2025	12:09	LB137103
	Zinc	1080	952	113	809	1095	09/05/2025	12:09	LB137103



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Tetra Tech NUS, Inc. **level:** low **sdg no.:** Q3017
contract: TETR06 **lab code:** ACE
matrix: Water **sample id:** Q3017-05 **client id:** TT-079-IDWGW-20250903MS
Percent Solids for Sample: NA **Spiked ID:** Q3017-05MS **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	14600	D	21700	D	1000	-710		P
Antimony	ug/L	88 - 113	398	D	125	UD	400	100		P
Arsenic	ug/L	87 - 113	385	D	50.0	UD	400	96		P
Barium	ug/L	88 - 113	244	JD	167	JD	100	77	N	P
Beryllium	ug/L	89 - 112	94.4	D	15.0	UD	100	93		P
Cadmium	ug/L	88 - 113	95.3	D	15.0	UD	100	95		P
Calcium	ug/L	87 - 113	9170	D	9470	D	500	-61		P
Chromium	ug/L	90 - 113	214	D	23.2	JD	200	96		P
Cobalt	ug/L	89 - 114	109	D	12.9	JD	100	96		P
Copper	ug/L	86 - 114	173	D	22.9	JD	150	100		P
Iron	ug/L	87 - 115	9320	D	9770	D	1500	-30		P
Lead	ug/L	86 - 113	485	D	23.8	JD	500	92		P
Magnesium	ug/L	85 - 113	4390	JD	4110	JD	1000	28		P
Manganese	ug/L	90 - 114	363	D	291	D	100	72	N	P
Mercury	ug/L	82 - 119	3.73		0.20	U	4.0	93		CV
Nickel	ug/L	88 - 113	256	D	17.0	JD	250	96		P
Potassium	ug/L	86 - 114	6290	D	5000	UD	5000	83	N	P
Selenium	ug/L	83 - 114	963	D	50.0	UD	1000	96		P
Silver	ug/L	84 - 115	36.2	D	25.0	UD	37.5	95		P
Sodium	ug/L	87 - 115	23000	D	23800	D	1500	-52		P
Thallium	ug/L	85 - 114	960	D	100	UD	1000	97		P
Vanadium	ug/L	90 - 111	161	D	22.9	JD	150	92		P
Zinc	ug/L	87 - 115	138	D	46.1	JD	100	92		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Tetra Tech NUS, Inc. **level:** low **sdg no.:** Q3017
contract: TETR06 **lab code:** ACE
matrix: Water **sample id:** Q3017-05 **client id:** TT-079-IDWGW-20250903MSD
Percent Solids for Sample: NA **Spiked ID:** Q3017-05MSD **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	14600	D	21700	D	1000	-714		P
Antimony	ug/L	88 - 113	395	D	125	UD	400	100		P
Arsenic	ug/L	87 - 113	387	D	50.0	UD	400	97		P
Barium	ug/L	88 - 113	228	JD	167	JD	100	62	N	P
Beryllium	ug/L	89 - 112	100	D	15.0	UD	100	99		P
Cadmium	ug/L	88 - 113	94.9	D	15.0	UD	100	95		P
Calcium	ug/L	87 - 113	8980	D	9470	D	500	-98		P
Chromium	ug/L	90 - 113	215	D	23.2	JD	200	96		P
Cobalt	ug/L	89 - 114	108	D	12.9	JD	100	95		P
Copper	ug/L	86 - 114	174	D	22.9	JD	150	101		P
Iron	ug/L	87 - 115	8610	D	9770	D	1500	-77		P
Lead	ug/L	86 - 113	484	D	23.8	JD	500	92		P
Magnesium	ug/L	85 - 113	4330	JD	4110	JD	1000	22		P
Manganese	ug/L	90 - 114	356	D	291	D	100	66	N	P
Mercury	ug/L	82 - 119	3.72		0.20	U	4.0	93		CV
Nickel	ug/L	88 - 113	256	D	17.0	JD	250	96		P
Potassium	ug/L	86 - 114	5810	D	5000	UD	5000	73	N	P
Selenium	ug/L	83 - 114	967	D	50.0	UD	1000	96		P
Silver	ug/L	84 - 115	37.3	D	25.0	UD	37.5	98		P
Sodium	ug/L	87 - 115	20100	D	23800	D	1500	-245		P
Thallium	ug/L	85 - 114	976	D	100	UD	1000	98		P
Vanadium	ug/L	90 - 111	161	D	22.9	JD	150	92		P
Zinc	ug/L	87 - 115	203	D	46.1	JD	100	157	N	P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

Lab Code: ACE

Matrix: Water

Level: LOW

Client ID: TT-079-IDWGW-20250903A

Sample ID: Q3017-05

Spiked ID: Q3017-05A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Barium	ug/L	88 - 113	244	JD	167	JD	500	15	N	P
Manganese	ug/L	90 - 114	367	D	291	D	500	15	N	P
Potassium	ug/L	86 - 114	6260	D	5000	UD	25000	16	N	P
Zinc	ug/L	87 - 115	141	D	46.1	JD	500	19	N	P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc. **Level:** LOW **SDG No.:** Q3017
Contract: TETR06 **Lab Code:** ACE
Matrix: Water **Sample ID:** Q3017-05 **Client ID:** TT-079-IDWGW-20250903DUP
Percent Solids for Sample: NA **Duplicate ID** Q3017-05DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	21700	D	21800	D	0		P
Antimony	ug/L	20	125	UD	125	UD			P
Arsenic	ug/L	20	50.0	UD	50.0	UD			P
Barium	ug/L	20	167	JD	173	JD	4		P
Beryllium	ug/L	20	15.0	UD	15.0	UD			P
Cadmium	ug/L	20	15.0	UD	15.0	UD			P
Calcium	ug/L	20	9470	D	9740	D	3		P
Chromium	ug/L	20	23.2	JD	24.4	JD	5		P
Cobalt	ug/L	20	12.9	JD	13.3	JD	3		P
Copper	ug/L	20	22.9	JD	24.1	JD	5		P
Iron	ug/L	20	9770	D	9900	D	1		P
Lead	ug/L	20	23.8	JD	23.5	JD	1		P
Magnesium	ug/L	20	4110	JD	4280	JD	4		P
Manganese	ug/L	20	291	D	298	D	2		P
Mercury	ug/L	20	0.20	U	0.20	U			CV
Nickel	ug/L	20	17.0	JD	17.0	JD	0		P
Potassium	ug/L	20	5000	UD	5000	UD			P
Selenium	ug/L	20	50.0	UD	50.0	UD			P
Silver	ug/L	20	25.0	UD	25.0	UD			P
Sodium	ug/L	20	23800	D	24400	D	2		P
Thallium	ug/L	20	100	UD	100	UD			P
Vanadium	ug/L	20	22.9	JD	23.3	JD	2		P
Zinc	ug/L	20	46.1	JD	47.0	JD	2		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc. **Level:** LOW **SDG No.:** Q3017
Contract: TETR06 **Lab Code:** ACE
Matrix: Water **Sample ID:** Q3017-05MS **Client ID:** TT-079-IDWGW-20250903MSD
Percent Solids for Sample: NA **Duplicate ID** Q3017-05MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	14600	D	14600	D	0		P
Antimony	ug/L	20	398	D	395	D	1		P
Arsenic	ug/L	20	385	D	387	D	1		P
Barium	ug/L	20	244	JD	228	JD	7		P
Beryllium	ug/L	20	94.4	D	100	D	6		P
Cadmium	ug/L	20	95.3	D	94.9	D	0		P
Calcium	ug/L	20	9170	D	8980	D	2		P
Chromium	ug/L	20	214	D	215	D	0		P
Cobalt	ug/L	20	109	D	108	D	1		P
Copper	ug/L	20	173	D	174	D	1		P
Iron	ug/L	20	9320	D	8610	D	8		P
Lead	ug/L	20	485	D	484	D	0		P
Magnesium	ug/L	20	4390	JD	4330	JD	1		P
Manganese	ug/L	20	363	D	356	D	2		P
Mercury	ug/L	20	3.73		3.72		0		CV
Nickel	ug/L	20	256	D	256	D	0		P
Potassium	ug/L	20	6290	D	5810	D	8		P
Selenium	ug/L	20	963	D	967	D	0		P
Silver	ug/L	20	36.2	D	37.3	D	3		P
Sodium	ug/L	20	23000	D	20100	D	13		P
Thallium	ug/L	20	960	D	976	D	2		P
Vanadium	ug/L	20	161	D	161	D	0		P
Zinc	ug/L	20	138	D	203	D	38		P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client:	<u>Tetra Tech NUS, Inc.</u>	SDG No.:	<u>Q3017</u>
Contract:	<u>TETR06</u>	Lab Code:	<u>ACE</u>

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169555BS							
Aluminum	ug/L	1000	971		97	86 - 115	P
Antimony	ug/L	400	396		99	88 - 113	P
Arsenic	ug/L	400	380		95	87 - 113	P
Barium	ug/L	100	94.2		94	88 - 113	P
Beryllium	ug/L	100	97.7		98	89 - 112	P
Cadmium	ug/L	100	93.4		93	88 - 113	P
Calcium	ug/L	500	469	J	94	87 - 113	P
Chromium	ug/L	200	194		97	90 - 113	P
Cobalt	ug/L	100	94.4		94	89 - 114	P
Copper	ug/L	150	150		100	86 - 114	P
Iron	ug/L	1500	1450		97	87 - 115	P
Lead	ug/L	500	463		93	86 - 113	P
Magnesium	ug/L	1000	972	J	97	85 - 113	P
Manganese	ug/L	100	98.3		98	90 - 114	P
Nickel	ug/L	250	238		95	88 - 113	P
Potassium	ug/L	5000	4730		95	86 - 114	P
Selenium	ug/L	1000	964		96	83 - 114	P
Silver	ug/L	37.5	36.8		98	84 - 115	P
Sodium	ug/L	1500	1400		93	87 - 115	P
Thallium	ug/L	1000	858		86	85 - 114	P
Vanadium	ug/L	150	146		97	90 - 111	P
Zinc	ug/L	100	97.8		98	87 - 115	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169582BS Mercury	ug/L	4.0	3.80		95	82 - 119	CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

TT-079-IDWGW-20250903L

Lab Name: Alliance **Contract:** TETR06
Lab Code: ACE **Lb No.:** lb137103 **Lab Sample ID :** Q3017-05L **SDG No.:** Q3017
Matrix (soil/water): Water **Level (low/med):** LOW
Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ- ence	Q	M
		C		C			
Aluminum	21700	D	22200	D	2		P
Antimony	125	UD	625	UD			P
Arsenic	50.0	UD	250	UD			P
Barium	167	JD	1250	UD	100		P
Beryllium	15.0	UD	75.0	UD			P
Cadmium	15.0	UD	75.0	UD			P
Calcium	9470	D	9210	JD	3		P
Chromium	23.2	JD	125	UD	100		P
Cobalt	12.9	JD	375	UD	100		P
Copper	22.9	JD	250	UD	100		P
Iron	9770	D	9250	D	5		P
Lead	23.8	JD	150	UD	100		P
Magnesium	4110	JD	4150	JD	1		P
Manganese	291	D	291	D	0		P
Mercury	0.20	U	1.00	U			CV
Nickel	17.0	JD	500	UD	100		P
Potassium	5000	UD	25000	UD			P
Selenium	50.0	UD	250	UD			P
Silver	25.0	UD	125	UD			P
Sodium	23800	D	21100	JD	12		P
Thallium	100	UD	500	UD			P
Vanadium	22.9	JD	500	UD	100		P
Zinc	46.1	JD	500	UD	100		P



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

Lab Code: ACE

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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

Lab Code: ACE

Instrument ID:

Date:

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement 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

Metals

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ICP INTERELEMEN CORRECTION FACTORS

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

Lab Code: ACE

Instrument ID:

Date:

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement 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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

Lab Code: ACE

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

Metals

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ICP INTERELEMEN CORRECTION FACTORS

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

Lab Code: ACE

Instrument ID:

Date:

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement 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

Metals

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SAMPLE PREPARATION SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

Lab Code: ACE

Method: _____

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB169555							
PB169555BL	PB169555BL	MB	WATER	09/04/2025	50.0	25.0	
PB169555BS	PB169555BS	LCS	WATER	09/04/2025	50.0	25.0	
Q3017-02	TT-076-IDWGW-20250903	SAM	WATER	09/04/2025	50.0	25.0	
Q3017-03	TT-077-IDWGW-20250903	SAM	WATER	09/04/2025	50.0	25.0	
Q3017-04	TT-078-IDWGW-20250903	SAM	WATER	09/04/2025	50.0	25.0	
Q3017-05	TT-079-IDWGW-20250903	SAM	WATER	09/04/2025	50.0	25.0	
Q3017-05DUP	TT-079-IDWGW-20250903DUP	DUP	WATER	09/04/2025	50.0	25.0	
Q3017-05MS	TT-079-IDWGW-20250903MS	MS	WATER	09/04/2025	50.0	25.0	
Q3017-05MSD	TT-079-IDWGW-20250903MSD	MSD	WATER	09/04/2025	50.0	25.0	

Metals

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SAMPLE PREPARATION SUMMARY

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Contract: TETR06

Lab Code: ACE

Method: _____

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB169582							
PB169582BL	PB169582BL	MB	WATER	09/05/2025	30.0	30.0	
PB169582BS	PB169582BS	LCS	WATER	09/05/2025	30.0	30.0	
Q3017-02	TT-076-IDWGW-20250903	SAM	WATER	09/05/2025	30.0	30.0	
Q3017-03	TT-077-IDWGW-20250903	SAM	WATER	09/05/2025	30.0	30.0	
Q3017-04	TT-078-IDWGW-20250903	SAM	WATER	09/05/2025	30.0	30.0	
Q3017-05	TT-079-IDWGW-20250903	SAM	WATER	09/05/2025	30.0	30.0	
Q3017-05DUP	TT-079-IDWGW-20250903DUP	DUP	WATER	09/05/2025	30.0	30.0	
Q3017-05MS	TT-079-IDWGW-20250903MS	MS	WATER	09/05/2025	30.0	30.0	
Q3017-05MSD	TT-079-IDWGW-20250903MSD	MSD	WATER	09/05/2025	30.0	30.0	

metals
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ANALYSIS RUN LOG

Client: Tetra Tech NUS, Inc.

Contract: TETR06

Lab code: ACE

Sdg no.: Q3017

Instrument id number: _____

Method: _____

Run number: lb137094

Start date: 09/05/2025

End date: 09/05/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1442	HG
S0.2	S0.2	1	1449	HG
S2.5	S2.5	1	1452	HG
S5	S5	1	1454	HG
S7.5	S7.5	1	1456	HG
S10	S10	1	1501	HG
ICV21	ICV21	1	1520	HG
ICB21	ICB21	1	1523	HG
CCV60	CCV60	1	1525	HG
CCB60	CCB60	1	1527	HG
CRA	CRA	1	1529	HG
PB169582BL	PB169582BL	1	1539	HG
PB169582BS	PB169582BS	1	1541	HG
Q3017-02	TT-076-IDWGW-20250903	1	1543	HG
Q3017-03	TT-077-IDWGW-20250903	1	1546	HG
Q3017-04	TT-078-IDWGW-20250903	1	1548	HG
Q3017-05	TT-079-IDWGW-20250903	1	1550	HG
Q3017-05DUP	TT-079-IDWGW-20250903DUP	1	1553	HG
CCV61	CCV61	1	1555	HG
CCB61	CCB61	1	1557	HG
Q3017-05MS	TT-079-IDWGW-20250903MS	1	1602	HG
Q3017-05MSD	TT-079-IDWGW-20250903MSI	1	1604	HG
CCV62	CCV62	1	1625	HG
CCB62	CCB62	1	1627	HG
Q3017-05L	TT-079-IDWGW-20250903L	5	1630	HG
CCV63	CCV63	1	1641	HG
CCB63	CCB63	1	1643	HG

metals
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ANALYSIS RUN LOG

Client: Tetra Tech NUS, Inc.

Contract: TETR06

Lab code: ACE

Sdg no.: Q3017

Instrument id number:

Method:

Run number: LB137103

Start date: 09/05/2025

End date: 09/05/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1119	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	1124	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	1128	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	1132	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	1136	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	1140	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	1144	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	1148	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	1154	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	1159	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	1205	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	1209	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	1228	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	1232	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB169555BL	PB169555BL	1	1250	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB169555BS	PB169555BS	1	1255	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3017-02	TT-076-IDWGW-20250903	5	1259	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3017-03	TT-077-IDWGW-20250903	5	1303	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3017-04	TT-078-IDWGW-20250903	5	1307	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3017-05	TT-079-IDWGW-20250903	5	1311	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3017-05DUP	TT-079-IDWGW-20250903DUP	5	1316	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	1320	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	1324	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3017-05L	TT-079-IDWGW-20250903L	25	1328	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3017-05MS	TT-079-IDWGW-20250903MS	5	1333	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3017-05MSD	TT-079-IDWGW-20250903MSI	5	1337	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3017-05A	TT-079-IDWGW-20250903A	5	1341	Ba,K,Mn,Zn
CCV03	CCV03	1	1429	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	1433	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	1536	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	1540	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	1606	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	1615	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

LAB CHRONICLE

OrderID:	Q3017	OrderDate:	9/4/2025 10:17:00 AM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	J12,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3017-02	TT-076-IDWGW-2025 0903	WATER	pH	9040C	09/03/25 11:30		09/05/25 08:55	09/04/25
Q3017-03	TT-077-IDWGW-2025 0903	WATER	pH	9040C	09/03/25 11:40		09/05/25 09:00	09/04/25
Q3017-04	TT-078-IDWGW-2025 0903	WATER	pH	9040C	09/03/25 11:50		09/05/25 09:10	09/04/25
Q3017-05	TT-079-IDWGW-2025 0903	WATER	pH	9040C	09/03/25 12:00		09/05/25 09:25	09/04/25



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/03/25 11:30
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/04/25
Client Sample ID:	TT-076-IDWGW-20250903	SDG No.:	Q3017
Lab Sample ID:	Q3017-02	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
pH	7.25	H	1	0	0	0	pH		09/05/25 08:55	9040C

Comments: pH result reported at temperature 20.6 °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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/03/25 11:40
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/04/25
Client Sample ID:	TT-077-IDWGW-20250903	SDG No.:	Q3017
Lab Sample ID:	Q3017-03	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
pH	7.18	H	1	0	0	0	pH		09/05/25 09:00	9040C

Comments: pH result reported at temperature 20.1 °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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/03/25 11:50
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/04/25
Client Sample ID:	TT-078-IDWGW-20250903	SDG No.:	Q3017
Lab Sample ID:	Q3017-04	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
pH	6.83	H	1	0	0	0	pH		09/05/25 09:10	9040C

Comments: pH result reported at temperature 20.4 °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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	09/03/25 12:00
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	09/04/25
Client Sample ID:	TT-079-IDWGW-20250903	SDG No.:	Q3017
Lab Sample ID:	Q3017-05	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
pH	6.63	H	1	0	0	0	pH		09/05/25 09:25	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

QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: Tetra Tech NUS, Inc.

SDG No.: Q3017

Project: NWIRP Bethpage 112G08005-WE13

RunNo.: LB137081

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV pH	pH	7.01	7	100	90-110	09/05/2025
Sample ID: CCV1 pH	pH	2.01	2.00	101	90-110	09/05/2025
Sample ID: CCV2 pH	pH	12.02	12.00	100	90-110	09/05/2025

Duplicate Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q3017
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q3017-02
Client ID:	TT-076-IDWGW-20250903DUP	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	7.25		7.27		1	0.28		09/05/2025

Duplicate Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q3017
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q3017-03
Client ID:	TT-077-IDWGW-20250903DUP	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	7.18		7.19		1	0.14		09/05/2025

Duplicate Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q3017
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q3017-04
Client ID:	TT-078-IDWGW-20250903DUP	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	6.83		6.86		1	0.44		09/05/2025

Duplicate Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q3017
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q3017-05
Client ID:	TT-079-IDWGW-20250903DUP	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	6.63		6.65		1	0.3		09/05/2025

Duplicate Sample Summary

Client:	Tetra Tech NUS, Inc.	SDG No.:	Q3017
Project:	NWIRP Bethpage 112G08005-WE13	Sample ID:	Q3022-01
Client ID:	1413DUP	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	7.43		7.45		1	0.27		09/05/2025