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

ANALYTICAL RESULTS SUMMARY

METALS
SEMI-VOLATILE ORGANICS

PROJECT NAME : NWIRP BETHPAGE 112G08005-WE13

TETRA TECH NUS, INC.

661 Andersen Drive

Suite 200

Pittsburgh, PA - 15220-2745

Phone No: 412-921-7090

ORDER ID : Q2064

ATTENTION : Ernie Wu

Laboratory Certification ID # 20012

Table Of Contents for Q2064

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

Cover Page

Order ID : Q2064

Project ID : NWIRP Bethpage 112G08005-WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number	Client Sample Number
Q2064-01	RW8-SP100-70-20250514
Q2064-02	RW8-SP201-70-20250514
Q2064-03	RW8-SP301-70-20250514
Q2064-04	RW8-SP303-70-20250514
Q2064-05	RW8-SP100-90-20250514
Q2064-06	RW8-SP201-90-20250514
Q2064-07	RW8-SP301-90-20250514
Q2064-08	RW8-SP303-90-20250514

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

Signature : _____

Date: 5/24/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

CASE NARRATIVE

Tetra Tech NUS, Inc.
Project Name: NWIRP Bethpage 112G08005-WE13
Project Manager # Ernie Wu
Order ID # Q2064
Test Name: SVOC-TCL BNA -20

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

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, SVOC-SIMGroup1 and SVOC-TCL BNA -20. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_P using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-TCL BNA -20 was based on method 8270E and extraction was done based on method 3510.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The RPD for {PB168048BSD} with File ID: BP024708.D met criteria except for 3,3-Dichlorobenzidine[22%], 3-Nitroaniline[34%] and 4-Chloroaniline[57%],due to difference in results of BS and BSD.

The Blank Spike for {PB168048BS} with File ID: BP024707.D met requirements for all samples except for 1,4-Dioxane[62%], is marginally biased low but there is no positive hit in any of the associated samples,therfore no Corrective action was taken.

The Blank Spike Duplicate for {PB168048BSD} with File ID: BP024708.D met requirements for all samples except for 1,4-Dioxane[63%],is marginally biased low but there is no positive hit in any of the associated samples,therfore no Corrective action was taken.

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

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

The % RSD is greater than 20% in the Initial Calibration (8270-BP051325.M) for 2,4-Dinitrophenol, 4-Nitrophenol these compound are passing on Linear Regression.
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

E. Additional Comments:
The laboratory certifies that the all-electronic diskette deliverable exactly match the datasummary forms (i.e. Form Is)."
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
The not QT review data is reported in the Miscellaneous.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

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

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

Signature_____

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

CASE NARRATIVE

Tetra Tech NUS, Inc.
Project Name: NWIRP Bethpage 112G08005-WE13
Project Manager# Ernie Wu
Order ID # Q2064
Test Name: SVOC-SIMGroup1

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

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, SVOC-SIMGroup1 and SVOC-TCL BNA - 20. This data package contains results for SVOC-SIMGroup1.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_N using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-SIMGroup1 was based on method 8270-Modified and extraction was done based on method 3510.

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

E. Additional Comments:
The laboratory certifies that the all-electronic diskette deliverable exactly match the datasummary forms (i.e. Form Is)."
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
The not QT review data is reported in the Miscellaneous.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial

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

Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

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

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

Signature_____

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

CASE NARRATIVE

Tetra Tech NUS, Inc.
Project Name: NWIRP Bethpage 112G08005-WE13
Project Manager : Ernie Wu
Order ID # Q2064
Test Name: Mercury,Metals ICP-TAL

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

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, SVOC-SIMGroup1 and SVOC-TCL BNA - 20. This data package contains results for Mercury,Metals ICP-TAL.

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

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike (RW8-SP100-70-20250514MS) analysis met criteria for all samples except for Mercury due to sample Matrix interference. The Matrix Spike (TW-WTS-08MS) analysis met criteria for all samples except for Iron and Silver due to Chemical Interference during Digestion Process.
The Matrix Spike Duplicate (TW-WTS-08MSD) analysis met criteria for all samples except for Silver due to Chemical Interference during Digestion Process.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

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

The Post Digest Spike (TW-WTS-08A) analysis met criteria for all samples except for Iron due to unknown chemical interferences of matrix with the addition of spike amount after digestion and before analysis, matrix has suppression effect during addition of spike.

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

Signature_____

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

DATA REPORTING QUALIFIERS- INORGANIC

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

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

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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2064

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

QA Review Signature: SOHIL JODHANI **Date:** 05/24/2025

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

LAB CHRONICLE

OrderID:	Q2064	**OrderDate:**	5/16/2025 10:39:00 AM
Client:	Tetra Tech NUS, Inc.	**Project:**	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	**Location:**	L41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2064-01	**RW8-SP100-70-20250514**	**Water**			**05/14/25**			**05/16/25**
			SVOC-SIMGroup1	8270-Modified		05/16/25	05/19/25	
			SVOC-TCL BNA -20	8270E		05/19/25	05/20/25	
Q2064-02	**RW8-SP201-70-20250514**	**Water**			**05/14/25**			**05/16/25**
			SVOC-SIMGroup1	8270-Modified		05/16/25	05/19/25	
Q2064-03	**RW8-SP301-70-20250514**	**Water**			**05/14/25**			**05/16/25**
			SVOC-SIMGroup1	8270-Modified		05/16/25	05/19/25	
Q2064-04	**RW8-SP303-70-20250514**	**Water**			**05/14/25**			**05/16/25**
			SVOC-SIMGroup1	8270-Modified		05/16/25	05/19/25	
			SVOC-TCL BNA -20	8270E		05/19/25	05/20/25	
Q2064-05	**RW8-SP100-90-20250514**	**Water**			**05/14/25**			**05/16/25**
			SVOC-SIMGroup1	8270-Modified		05/16/25	05/19/25	
			SVOC-TCL BNA -20	8270E		05/19/25	05/20/25	
Q2064-06	**RW8-SP201-90-20250514**	**Water**			**05/14/25**			**05/16/25**
			SVOC-SIMGroup1	8270-Modified		05/16/25	05/19/25	
Q2064-07	**RW8-SP301-90-20250514**	**Water**			**05/14/25**			**05/16/25**
			SVOC-SIMGroup1	8270-Modified		05/16/25	05/19/25	
Q2064-08	**RW8-SP303-90-20250514**	**Water**			**05/14/25**			**05/16/25**
			SVOC-SIMGroup1	8270-Modified		05/16/25	05/19/25	

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

LAB CHRONICLE

SVOC-TCL BNA -20	8270E	05/19/25	05/20/25

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

Hit Summary Sheet
SW-846

SDG No.: Q2064

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Parameter		Concentration	C	MDL	LOD	RDL	Units
Client ID :	**RW8-SP303-70-20250514**								
Q2064-04	RW8-SP303-70-2025051‹ WATER	Bis(2-ethylhexyl)phthalate		2.100	J	1.6	4	5	ug/L
		Total Svoc :		**2.10**					
Q2064-04	RW8-SP303-70-2025051‹ WATER	Benzophenone	*	4.200	J	0		0	ug/L
Q2064-04	RW8-SP303-70-2025051‹ WATER	n-Hexadecanoic acid	*	2.400	J	0		0	ug/L
		Total Tics :		**6.60**					
		Total Concentration:		**8.70**					
Client ID :	**RW8-SP100-90-20250514**								
Q2064-05	RW8-SP100-90-2025051‹ WATER	2-Propenoic acid, 2-methyl-, 3,3,5	*	3.300	J	0		0	ug/L
Q2064-05	RW8-SP100-90-2025051‹ WATER	Benzoic acid, p-tert-butyl-	*	6.900	J	0		0	ug/L
Q2064-05	RW8-SP100-90-2025051‹ WATER	Benzophenone	*	3.200	J	0		0	ug/L
Q2064-05	RW8-SP100-90-2025051‹ WATER	Docosane	*	4.000	J	0		0	ug/L
Q2064-05	RW8-SP100-90-2025051‹ WATER	Hexanoic acid, 2-ethyl-	*	24.700	J	0		0	ug/L
Q2064-05	RW8-SP100-90-2025051‹ WATER	n-Hexadecanoic acid	*	2.400	J	0		0	ug/L
Q2064-05	RW8-SP100-90-2025051‹ WATER	Benzoic acid	*	14.600	J	4.2		10	ug/L
		Total Tics :		**59.10**					
		Total Concentration:		**59.10**					
Client ID :	**RW8-SP303-90-20250514**								
Q2064-08	RW8-SP303-90-2025051‹ WATER	Benzophenone	*	3.100	J	0		0	ug/L
Q2064-08	RW8-SP303-90-2025051‹ WATER	n-Hexadecanoic acid	*	2.700	J	0		0	ug/L
		Total Tics :		**5.80**					
		Total Concentration:		**5.80**					

SAMPLE DATA

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP100-70-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024712.D	1	05/19/25 08:42	05/20/25 17:59	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.00	U	3.90	8.00	10.0	ug/L
108-95-2	Phenol	4.00	U	0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.00	U	0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	4.00	U	0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	4.00	U	1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	4.00	U	0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	8.00	U	1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	4.00	U	0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	4.00	U	0.76	4.00	5.00	ug/L
78-59-1	Isophorone	4.00	U	0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	4.00	U	1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	4.00	U	1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	4.00	U	0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	4.00	U	0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	4.00	U	0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	4.00	U	0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	8.00	U	1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	4.00	U	0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	4.00	U	0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	8.00	U	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	4.00	U	0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	4.00	U	0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	4.00	U	0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	4.00	U	0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	4.00	U	1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	4.00	U	0.61	4.00	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP100-70-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024712.D	1	05/19/25 08:42	05/20/25 17:59	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.00	U	0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	4.00	U	0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	4.00	U	1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	4.00	U	0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	8.00	U	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	8.00	U	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	4.00	U	0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	4.00	U	0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	0.68	4.00	5.00	ug/L
86-73-7	Fluorene	4.00	U	0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	4.00	U	1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.00	U	2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	4.00	U	0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	4.00	U	0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	4.00	U	1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	8.00	U	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	4.00	U	0.50	4.00	5.00	ug/L
120-12-7	Anthracene	4.00	U	0.61	4.00	5.00	ug/L
86-74-8	Carbazole	4.00	U	0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	4.00	U	1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	4.00	U	0.82	4.00	5.00	ug/L
129-00-0	Pyrene	4.00	U	0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	4.00	U	1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	8.00	U	0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	4.00	U	0.45	4.00	5.00	ug/L
218-01-9	Chrysene	4.00	U	0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	8.00	U	2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	U	0.49	4.00	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP100-70-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024712.D	1	05/19/25 08:42	05/20/25 17:59	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	4.00	UQ	1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	48.9		19 - 119		33%	SPK: 150
13127-88-3	Phenol-d6	25.8		10 - 130		17%	SPK: 150
4165-60-0	Nitrobenzene-d5	68.6		44 - 120		69%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.1		44 - 119		71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	149		43 - 140		100%	SPK: 150
1718-51-0	Terphenyl-d14	83.3		50 - 134		83%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	111000	7.657				
1146-65-2	Naphthalene-d8	420000	10.428				
15067-26-2	Acenaphthene-d10	277000	14.286				
1517-22-2	Phenanthrene-d10	582000	17.086				
1719-03-5	Chrysene-d12	659000	21.521				
1520-96-3	Perylene-d12	738000	24.803				

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP303-70-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-04	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024713.D	1	05/19/25 08:42	05/20/25 18:40	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.00	U	3.90	8.00	10.0	ug/L
108-95-2	Phenol	4.00	U	0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.00	U	0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	4.00	U	0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	4.00	U	1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	4.00	U	0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	8.00	U	1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	4.00	U	0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	4.00	U	0.76	4.00	5.00	ug/L
78-59-1	Isophorone	4.00	U	0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	4.00	U	1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	4.00	U	1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	4.00	U	0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	4.00	U	0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	4.00	U	0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	4.00	U	0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	8.00	U	1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	4.00	U	0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	4.00	U	0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	8.00	U	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	4.00	U	0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	4.00	U	0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	4.00	U	0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	4.00	U	0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	4.00	U	1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	4.00	U	0.61	4.00	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP303-70-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-04	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024713.D	1	05/19/25 08:42	05/20/25 18:40	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.00	U	0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	4.00	U	0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	4.00	U	1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	4.00	U	0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	8.00	U	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	8.00	U	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	4.00	U	0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	4.00	U	0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	0.68	4.00	5.00	ug/L
86-73-7	Fluorene	4.00	U	0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	4.00	U	1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.00	U	2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	4.00	U	0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	4.00	U	0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	4.00	U	1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	8.00	U	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	4.00	U	0.50	4.00	5.00	ug/L
120-12-7	Anthracene	4.00	U	0.61	4.00	5.00	ug/L
86-74-8	Carbazole	4.00	U	0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	4.00	U	1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	4.00	U	0.82	4.00	5.00	ug/L
129-00-0	Pyrene	4.00	U	0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	4.00	U	1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	8.00	U	0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	4.00	U	0.45	4.00	5.00	ug/L
218-01-9	Chrysene	4.00	U	0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.10	J	1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	8.00	U	2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	U	0.49	4.00	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP303-70-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-04	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024713.D	1	05/19/25 08:42	05/20/25 18:40	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	4.00	UQ	1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	49.7		19 - 119		33%	SPK: 150
13127-88-3	Phenol-d6	27.0		10 - 130		18%	SPK: 150
4165-60-0	Nitrobenzene-d5	67.4		44 - 120		67%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.4		44 - 119		71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	155		43 - 140		103%	SPK: 150
1718-51-0	Terphenyl-d14	94.1		50 - 134		94%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	118000	7.657				
1146-65-2	Naphthalene-d8	456000	10.428				
15067-26-2	Acenaphthene-d10	312000	14.292				
1517-22-2	Phenanthrene-d10	617000	17.086				
1719-03-5	Chrysene-d12	695000	21.515				
1520-96-3	Perylene-d12	845000	24.804				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	4.20	J			15.7	ug/L
000057-10-3	n-Hexadecanoic acid	2.40	J			18.0	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP303-70-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-04	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024713.D	1	05/19/25 08:42	05/20/25 18:40	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP100-90-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-05	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024714.D	1	05/19/25 08:42	05/20/25 19:21	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.00	U	3.90	8.00	10.0	ug/L
108-95-2	Phenol	4.00	U	0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.00	U	0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	4.00	U	0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	4.00	U	1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	4.00	U	0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	8.00	U	1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	4.00	U	0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	4.00	U	0.76	4.00	5.00	ug/L
78-59-1	Isophorone	4.00	U	0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	4.00	U	1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	4.00	U	1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	4.00	U	0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	4.00	U	0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	4.00	U	0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	4.00	U	0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	8.00	U	1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	4.00	U	0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	4.00	U	0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	8.00	U	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	4.00	U	0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	4.00	U	0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	4.00	U	0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	4.00	U	0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	4.00	U	1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	4.00	U	0.61	4.00	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP100-90-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-05	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024714.D	1	05/19/25 08:42	05/20/25 19:21	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.00	U	0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	4.00	U	0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	4.00	U	1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	4.00	U	0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	8.00	U	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	8.00	U	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	4.00	U	0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	4.00	U	0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	0.68	4.00	5.00	ug/L
86-73-7	Fluorene	4.00	U	0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	4.00	U	1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.00	U	2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	4.00	U	0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	4.00	U	0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	4.00	U	1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	8.00	U	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	4.00	U	0.50	4.00	5.00	ug/L
120-12-7	Anthracene	4.00	U	0.61	4.00	5.00	ug/L
86-74-8	Carbazole	4.00	U	0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	4.00	U	1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	4.00	U	0.82	4.00	5.00	ug/L
129-00-0	Pyrene	4.00	U	0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	4.00	U	1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	8.00	U	0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	4.00	U	0.45	4.00	5.00	ug/L
218-01-9	Chrysene	4.00	U	0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	8.00	U	2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	U	0.49	4.00	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP100-90-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-05	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024714.D	1	05/19/25 08:42	05/20/25 19:21	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	4.00	UQ	1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	52.3		19 - 119		35%	SPK: 150
13127-88-3	Phenol-d6	28.7		10 - 130		19%	SPK: 150
4165-60-0	Nitrobenzene-d5	70.0		44 - 120		70%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.3		44 - 119		70%	SPK: 100
118-79-6	2,4,6-Tribromophenol	161		43 - 140		108%	SPK: 150
1718-51-0	Terphenyl-d14	97.0		50 - 134		97%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	105000	7.657				
1146-65-2	Naphthalene-d8	406000	10.428				
15067-26-2	Acenaphthene-d10	295000	14.287				
1517-22-2	Phenanthrene-d10	589000	17.086				
1719-03-5	Chrysene-d12	654000	21.516				
1520-96-3	Perylene-d12	777000	24.804				
TENTATIVE IDENTIFIED COMPOUNDS							
000149-57-5	Hexanoic acid, 2-ethyl-	24.7	J			9.01	ug/L
65-85-0	Benzoic acid	14.6	J			9.79	ug/L
007779-31-9	2-Propenoic acid, 2-methyl-, 3,3,5	3.30	J			12.5	ug/L
000098-73-7	Benzoic acid, p-tert-butyl-	6.90	J			14.1	ug/L
000119-61-9	Benzophenone	3.20	J			15.7	ug/L
000057-10-3	n-Hexadecanoic acid	2.40	J			18.0	ug/L
000629-97-0	Docosane	4.00	J			22.5	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP100-90-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-05	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024714.D	1	05/19/25 08:42	05/20/25 19:21	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP303-90-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-08	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024715.D	1	05/19/25 08:42	05/20/25 20:02	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.00	U	3.90	8.00	10.0	ug/L
108-95-2	Phenol	4.00	U	0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.00	U	0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	4.00	U	0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	4.00	U	1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	4.00	U	0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	8.00	U	1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	4.00	U	0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	4.00	U	0.76	4.00	5.00	ug/L
78-59-1	Isophorone	4.00	U	0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	4.00	U	1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	4.00	U	1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	4.00	U	0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	4.00	U	0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	4.00	U	0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	4.00	U	0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	8.00	U	1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	4.00	U	0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	4.00	U	0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	8.00	U	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	4.00	U	0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	4.00	U	0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	4.00	U	0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	4.00	U	0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	4.00	U	1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	4.00	U	0.61	4.00	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP303-90-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-08	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024715.D	1	05/19/25 08:42	05/20/25 20:02	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.00	U	0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	4.00	U	0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	4.00	U	1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	4.00	U	0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	8.00	U	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	8.00	U	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	4.00	U	0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	4.00	U	0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	0.68	4.00	5.00	ug/L
86-73-7	Fluorene	4.00	U	0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	4.00	U	1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.00	U	2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	4.00	U	0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	4.00	U	0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	4.00	U	1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	8.00	U	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	4.00	U	0.50	4.00	5.00	ug/L
120-12-7	Anthracene	4.00	U	0.61	4.00	5.00	ug/L
86-74-8	Carbazole	4.00	U	0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	4.00	U	1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	4.00	U	0.82	4.00	5.00	ug/L
129-00-0	Pyrene	4.00	U	0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	4.00	U	1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	8.00	U	0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	4.00	U	0.45	4.00	5.00	ug/L
218-01-9	Chrysene	4.00	U	0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	8.00	U	2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	U	0.49	4.00	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP303-90-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-08	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024715.D	1	05/19/25 08:42	05/20/25 20:02	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	4.00	UQ	1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	48.5		19 - 119		32%	SPK: 150
13127-88-3	Phenol-d6	26.5		10 - 130		18%	SPK: 150
4165-60-0	Nitrobenzene-d5	67.0		44 - 120		67%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.7		44 - 119		72%	SPK: 100
118-79-6	2,4,6-Tribromophenol	159		43 - 140		106%	SPK: 150
1718-51-0	Terphenyl-d14	95.6		50 - 134		96%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	122000	7.658				
1146-65-2	Naphthalene-d8	472000	10.422				
15067-26-2	Acenaphthene-d10	309000	14.281				
1517-22-2	Phenanthrene-d10	630000	17.086				
1719-03-5	Chrysene-d12	689000	21.516				
1520-96-3	Perylene-d12	813000	24.804				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	3.10	J			15.7	ug/L
000057-10-3	n-Hexadecanoic acid	2.70	J			18.0	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP303-90-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-08	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024715.D	1	05/19/25 08:42	05/20/25 20:02	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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

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

QC SUMMARY

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

Surrogate Summary

SW-846

SDG No.: Q2064

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB168048BL	PB168048BL	2-Fluorophenol	150	133	88		19	119
		Phenol-d6	150	122	81		10	130
		Nitrobenzene-d5	100	76.1	76		44	120
		2-Fluorobiphenyl	100	76.8	77		44	119
		2,4,6-Tribromophenol	150	145	97		43	140
		Terphenyl-d14	100	90.1	90		50	134
PB168048BS	PB168048BS	2-Fluorophenol	150	122	82		19	119
		Phenol-d6	150	117	78		10	130
		Nitrobenzene-d5	100	69.5	69		44	120
		2-Fluorobiphenyl	100	74.5	74		44	119
		2,4,6-Tribromophenol	150	139	93		43	140
		Terphenyl-d14	100	76.9	77		50	134
PB168048BSD	PB168048BSD	2-Fluorophenol	150	128	85		19	119
		Phenol-d6	150	120	80		10	130
		Nitrobenzene-d5	100	75.8	76		44	120
		2-Fluorobiphenyl	100	78.1	78		44	119
		2,4,6-Tribromophenol	150	146	97		43	140
		Terphenyl-d14	100	79.4	79		50	134
Q2064-01	RW8-SP100-70-20250514	2-Fluorophenol	150	48.9	33		19	119
		Phenol-d6	150	25.8	17		10	130
		Nitrobenzene-d5	100	68.6	69		44	120
		2-Fluorobiphenyl	100	71.1	71		44	119
		2,4,6-Tribromophenol	150	149	100		43	140
		Terphenyl-d14	100	83.3	83		50	134
Q2064-04	RW8-SP303-70-20250514	2-Fluorophenol	150	49.7	33		19	119
		Phenol-d6	150	27.0	18		10	130
		Nitrobenzene-d5	100	67.4	67		44	120
		2-Fluorobiphenyl	100	71.4	71		44	119
		2,4,6-Tribromophenol	150	155	103		43	140
		Terphenyl-d14	100	94.1	94		50	134
Q2064-05	RW8-SP100-90-20250514	2-Fluorophenol	150	52.3	35		19	119
		Phenol-d6	150	28.7	19		10	130
		Nitrobenzene-d5	100	70.0	70		44	120
		2-Fluorobiphenyl	100	70.3	70		44	119
		2,4,6-Tribromophenol	150	161	108		43	140
		Terphenyl-d14	100	97.0	97		50	134
Q2064-08	RW8-SP303-90-20250514	2-Fluorophenol	150	48.5	32		19	119
		Phenol-d6	150	26.5	18		10	130
		Nitrobenzene-d5	100	67.0	67		44	120
		2-Fluorobiphenyl	100	71.7	72		44	119
		2,4,6-Tribromophenol	150	159	106		43	140
		Terphenyl-d14	100	95.6	96		50	134

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2064

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E **DataFile:** BP024707.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168048BS	Benzaldehyde	50	30.6	ug/L	61				10	161	
	Phenol	50	40.0	ug/L	80				10	132	
	bis(2-Chloroethyl)ether	50	35.7	ug/L	71				43	118	
	2-Chlorophenol	50	41.7	ug/L	83				38	117	
	2-Methylphenol	50	39.9	ug/L	80				30	117	
	2,2-oxybis(1-Chloropropane)	50	34.9	ug/L	70				37	130	
	Acetophenone	50	38.9	ug/L	78				46	118	
	3+4-Methylphenols	50	38.8	ug/L	78				29	110	
	N-Nitroso-di-n-propylamine	50	33.4	ug/L	67				49	119	
	Hexachloroethane	50	38.0	ug/L	76				21	115	
	Nitrobenzene	50	37.8	ug/L	76				45	121	
	Isophorone	50	35.9	ug/L	72				42	124	
	2-Nitrophenol	50	43.7	ug/L	87				47	123	
	2,4-Dimethylphenol	50	42.9	ug/L	86				31	124	
	bis(2-Chloroethoxy)methane	50	37.2	ug/L	74				48	120	
	2,4-Dichlorophenol	50	43.9	ug/L	88				47	121	
	Naphthalene	50	39.4	ug/L	79				40	121	
	4-Chloroaniline	50	19.5	ug/L	39				33	117	
	Hexachlorobutadiene	50	42.4	ug/L	85				22	124	
	Caprolactam	50	39.7	ug/L	79				10	161	
	4-Chloro-3-methylphenol	50	41.9	ug/L	84				52	119	
	2-Methylnaphthalene	50	39.5	ug/L	79				40	121	
	Hexachlorocyclopentadiene	100	89.2	ug/L	89				10	155	
	2,4,6-Trichlorophenol	50	46.4	ug/L	93				50	125	
	2,4,5-Trichlorophenol	50	45.0	ug/L	90				53	123	
	1,1-Biphenyl	50	42.8	ug/L	86				49	115	
	2-Chloronaphthalene	50	43.0	ug/L	86				40	116	
	2-Nitroaniline	50	43.3	ug/L	87				55	127	
	Dimethylphthalate	50	42.4	ug/L	85				45	127	
	Acenaphthylene	50	41.4	ug/L	83				41	130	
	2,6-Dinitrotoluene	50	43.0	ug/L	86				57	124	
	3-Nitroaniline	50	26.3	ug/L	53				41	128	
	Acenaphthene	50	41.3	ug/L	83				47	122	
	2,4-Dinitrophenol	100	81.6	ug/L	82				23	143	
	4-Nitrophenol	100	75.5	ug/L	76				10	161	
	Dibenzofuran	50	42.2	ug/L	84				53	118	
	2,4-Dinitrotoluene	50	44.7	ug/L	89				57	128	
	Diethylphthalate	50	41.6	ug/L	83				56	125	
	4-Chlorophenyl-phenylether	50	42.5	ug/L	85				53	121	
	Fluorene	50	42.4	ug/L	85				52	124	
	4-Nitroaniline	50	40.0	ug/L	80				35	120	
	4,6-Dinitro-2-methylphenol	50	44.3	ug/L	89				44	137	
	N-Nitrosodiphenylamine	50	42.6	ug/L	85				51	123	
	4-Bromophenyl-phenylether	50	44.0	ug/L	88				55	124	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2064

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E **DataFile:** BP024707.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168048BS	Hexachlorobenzene	50	44.4	ug/L	89				53	125	
	Atrazine	50	44.4	ug/L	89				44	142	
	Pentachlorophenol	100	98.8	ug/L	99				35	138	
	Phenanthrene	50	40.6	ug/L	81				59	120	
	Anthracene	50	42.4	ug/L	85				57	123	
	Carbazole	50	42.9	ug/L	86				60	122	
	Di-n-butylphthalate	50	41.5	ug/L	83				59	127	
	Fluoranthene	50	42.5	ug/L	85				57	128	
	Pyrene	50	42.4	ug/L	85				57	126	
	Butylbenzylphthalate	50	43.1	ug/L	86				53	134	
	3,3-Dichlorobenzidine	50	33.0	ug/L	66				27	129	
	Benzo(a)anthracene	50	41.9	ug/L	84				58	125	
	Chrysene	50	40.8	ug/L	82				59	123	
	bis(2-Ethylhexyl)phthalate	50	44.3	ug/L	89				55	135	
	Di-n-octyl phthalate	50	45.4	ug/L	91				51	140	
	Benzo(b)fluoranthene	50	42.5	ug/L	85				53	131	
	Benzo(k)fluoranthene	50	42.7	ug/L	85				57	129	
	Benzo(a)pyrene	50	42.6	ug/L	85				54	128	
	Indeno(1,2,3-cd)pyrene	50	42.7	ug/L	85				52	134	
	Dibenz(a,h)anthracene	50	43.2	ug/L	86				51	134	
	Benzo(g,h,i)perylene	50	42.1	ug/L	84				50	134	
	1,2,4,5-Tetrachlorobenzene	50	43.5	ug/L	87				35	121	
	1,4-Dioxane	50	30.9	ug/L	62		*		70	130	
	2,3,4,6-Tetrachlorophenol	50	43.3	ug/L	87				50	128	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2064

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E **DataFile:** BP024708.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168048BSD	Benzaldehyde	50	33.3	ug/L	67	8			10	161	20
	Phenol	50	41.7	ug/L	83	4			10	132	20
	bis(2-Chloroethyl)ether	50	38.9	ug/L	78	9			43	118	20
	2-Chlorophenol	50	43.8	ug/L	88	5			38	117	20
	2-Methylphenol	50	40.8	ug/L	82	2			30	117	20
	2,2-oxybis(1-Chloropropane)	50	35.5	ug/L	71	2			37	130	20
	Acetophenone	50	41.6	ug/L	83	7			46	118	20
	3+4-Methylphenols	50	40.5	ug/L	81	4			29	110	20
	N-Nitroso-di-n-propylamine	50	34.9	ug/L	70	4			49	119	20
	Hexachloroethane	50	39.5	ug/L	79	4			21	115	20
	Nitrobenzene	50	42.2	ug/L	84	11			45	121	20
	Isophorone	50	37.7	ug/L	75	5			42	124	20
	2-Nitrophenol	50	47.7	ug/L	95	9			47	123	20
	2,4-Dimethylphenol	50	46.0	ug/L	92	7			31	124	20
	bis(2-Chloroethoxy)methane	50	39.7	ug/L	79	7			48	120	20
	2,4-Dichlorophenol	50	47.2	ug/L	94	7			47	121	20
	Naphthalene	50	42.5	ug/L	85	8			40	121	20
	4-Chloroaniline	50	34.9	ug/L	70	57		*	33	117	20
	Hexachlorobutadiene	50	45.8	ug/L	92	8			22	124	20
	Caprolactam	50	43.3	ug/L	87	9			10	161	20
	4-Chloro-3-methylphenol	50	42.8	ug/L	86	2			52	119	20
	2-Methylnaphthalene	50	41.9	ug/L	84	6			40	121	20
	Hexachlorocyclopentadiene	100	99.7	ug/L	100	11			10	155	20
	2,4,6-Trichlorophenol	50	49.8	ug/L	100	7			50	125	20
	2,4,5-Trichlorophenol	50	48.4	ug/L	97	7			53	123	20
	1,1-Biphenyl	50	45.9	ug/L	92	7			49	115	20
	2-Chloronaphthalene	50	46.2	ug/L	92	7			40	116	20
	2-Nitroaniline	50	45.1	ug/L	90	4			55	127	20
	Dimethylphthalate	50	44.8	ug/L	90	6			45	127	20
	Acenaphthylene	50	43.7	ug/L	87	5			41	130	20
	2,6-Dinitrotoluene	50	45.8	ug/L	92	6			57	124	20
	3-Nitroaniline	50	37.1	ug/L	74	34		*	41	128	20
	Acenaphthene	50	44.5	ug/L	89	7			47	122	20
	2,4-Dinitrophenol	100	86.7	ug/L	87	6			23	143	20
	4-Nitrophenol	100	78.4	ug/L	78	4			10	161	20
	Dibenzofuran	50	43.7	ug/L	87	3			53	118	20
	2,4-Dinitrotoluene	50	45.9	ug/L	92	3			57	128	20
	Diethylphthalate	50	44.1	ug/L	88	6			56	125	20
	4-Chlorophenyl-phenylether	50	45.4	ug/L	91	7			53	121	20
	Fluorene	50	45.6	ug/L	91	7			52	124	20
	4-Nitroaniline	50	43.8	ug/L	88	9			35	120	20
	4,6-Dinitro-2-methylphenol	50	49.0	ug/L	98	10			44	137	20
	N-Nitrosodiphenylamine	50	47.5	ug/L	95	11			51	123	20
	4-Bromophenyl-phenylether	50	48.0	ug/L	96	9			55	124	20

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2064

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E **DataFile:** BP024708.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168048BSD	Hexachlorobenzene	50	47.6	ug/L	95	7			53	125	20
	Atrazine	50	47.6	ug/L	95	7			44	142	20
	Pentachlorophenol	100	110	ug/L	110	11			35	138	20
	Phenanthrene	50	44.4	ug/L	89	9			59	120	20
	Anthracene	50	46.9	ug/L	94	10			57	123	20
	Carbazole	50	46.9	ug/L	94	9			60	122	20
	Di-n-butylphthalate	50	46.4	ug/L	93	11			59	127	20
	Fluoranthene	50	45.0	ug/L	90	6			57	128	20
	Pyrene	50	43.3	ug/L	87	2			57	126	20
	Butylbenzylphthalate	50	44.7	ug/L	89	4			53	134	20
	3,3-Dichlorobenzidine	50	41.3	ug/L	83	22		*	27	129	20
	Benzo(a)anthracene	50	44.7	ug/L	89	6			58	125	20
	Chrysene	50	44.7	ug/L	89	9			59	123	20
	bis(2-Ethylhexyl)phthalate	50	47.2	ug/L	94	6			55	135	20
	Di-n-octyl phthalate	50	47.7	ug/L	95	5			51	140	20
	Benzo(b)fluoranthene	50	47.0	ug/L	94	10			53	131	20
	Benzo(k)fluoranthene	50	45.9	ug/L	92	7			57	129	20
	Benzo(a)pyrene	50	46.4	ug/L	93	9			54	128	20
	Indeno(1,2,3-cd)pyrene	50	45.4	ug/L	91	6			52	134	20
	Dibenz(a,h)anthracene	50	46.0	ug/L	92	6			51	134	20
	Benzo(g,h,i)perylene	50	44.9	ug/L	90	6			50	134	20
	1,2,4,5-Tetrachlorobenzene	50	47.0	ug/L	94	8			35	121	20
	1,4-Dioxane	50	31.5	ug/L	63	2	*		70	130	20
	2,3,4,6-Tetrachlorophenol	50	48.0	ug/L	96	10			50	128	20

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168048BL

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG NO.: Q2064

Lab File ID: BP024706.D Lab Sample ID: PB168048BL

Instrument ID: BNA_P Date Extracted: 05/19/2025

Matrix: (soil/water) Water Date Analyzed: 05/20/2025

Level: (low/med) LOW Time Analyzed: 13:55

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168048BS	PB168048BS	BP024707.D	05/20/2025
PB168048BSD	PB168048BSD	BP024708.D	05/20/2025
RW8-SP100-70-20250514	Q2064-01	BP024712.D	05/20/2025
RW8-SP303-70-20250514	Q2064-04	BP024713.D	05/20/2025
RW8-SP100-90-20250514	Q2064-05	BP024714.D	05/20/2025
RW8-SP303-90-20250514	Q2064-08	BP024715.D	05/20/2025

COMMENTS:

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: Q2064 SDG NO.: Q2064

Lab File ID: BP024613.D DFTPP Injection Date: 05/13/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:00

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	26.8
68	Less than 2.0% of mass 69	0.2 (0.6) 1
69	Mass 69 relative abundance	29
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	39.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.3
275	10.0 - 60.0% of mass 198	26.5
365	Greater than 1% of mass 198	4.3
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (19.4) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BP024614.D	05/13/2025	10:41
SSTDICC005	SSTDICC005	BP024615.D	05/13/2025	11:22
SSTDICC010	SSTDICC010	BP024616.D	05/13/2025	12:03
SSTDICC020	SSTDICC020	BP024617.D	05/13/2025	12:43
SSTDICCC040	SSTDICCC040	BP024618.D	05/13/2025	13:24
SSTDICC050	SSTDICC050	BP024619.D	05/13/2025	14:05
SSTDICC060	SSTDICC060	BP024620.D	05/13/2025	14:45
SSTDICC080	SSTDICC080	BP024621.D	05/13/2025	15:26

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: Q2064 SDG NO.: Q2064

Lab File ID: BP024702.D DFTPP Injection Date: 05/20/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:31

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	22.2
68	Less than 2.0% of mass 69	0.3 (1.3) 1
69	Mass 69 relative abundance	23.8
70	Less than 2.0% of mass 69	0.1 (0.6) 1
127	10.0 - 80.0% of mass 198	33.7
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	4.7
275	10.0 - 60.0% of mass 198	24
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19 (19) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP024703.D	05/20/2025	11:52
PB168048BL	PB168048BL	BP024706.D	05/20/2025	13:55
PB168048BS	PB168048BS	BP024707.D	05/20/2025	14:35
PB168048BSD	PB168048BSD	BP024708.D	05/20/2025	15:16
RW8-SP100-70-20250514	Q2064-01	BP024712.D	05/20/2025	17:59
RW8-SP303-70-20250514	Q2064-04	BP024713.D	05/20/2025	18:40
RW8-SP100-90-20250514	Q2064-05	BP024714.D	05/20/2025	19:21
RW8-SP303-90-20250514	Q2064-08	BP024715.D	05/20/2025	20:02
SSTDCCC040EC	SSTDCCC040	BP024718.D	05/20/2025	22:04

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG NO.: Q2064

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/20/2025

Lab File ID: BP024703.D Time Analyzed: 11:52

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	123667	7.657	504753	10.43	316846	14.29
	UPPER LIMIT	247334	8.157	1009510	10.928	633692	14.787
	LOWER LIMIT	61833.5	7.157	252377	9.928	158423	13.787
	EPA SAMPLE NO.						
01	PB168048BL	134412	7.66	500749	10.43	300658	14.29
02	PB168048BS	124819	7.66	494827	10.43	304328	14.29
03	PB168048BSD	139801	7.66	538123	10.42	329718	14.29
04	RW8-SP100-70-20250514	110969	7.66	419501	10.43	276589	14.29
05	RW8-SP303-70-20250514	118478	7.66	455563	10.43	312017	14.29
06	RW8-SP100-90-20250514	105097	7.66	405523	10.43	295391	14.29
07	RW8-SP303-90-20250514	121733	7.66	471667	10.42	308901	14.28

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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 UPPER LIMIT = -0.50 minutes of internal standard RT

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

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG NO.: Q2064

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/20/2025

Lab File ID: BP024703.D Time Analyzed: 11:52

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	620396	17.081	679929	21.516	792201	24.798
	UPPER LIMIT	1240790	17.581	1359860	22.016	1584400	25.298
	LOWER LIMIT	310198	16.581	339965	21.016	396101	24.298
	EPA SAMPLE NO.						
01	PB168048BL	642481	17.09	691700	21.52	756782	24.82
02	PB168048BS	614284	17.08	693187	21.52	827509	24.79
03	PB168048BSD	642991	17.08	741643	21.52	838594	24.79
04	RW8-SP100-70-20250514	582176	17.09	659261	21.52	737654	24.80
05	RW8-SP303-70-20250514	617202	17.09	694869	21.52	845393	24.80
06	RW8-SP100-90-20250514	588501	17.09	654045	21.52	776769	24.80
07	RW8-SP303-90-20250514	630051	17.09	688875	21.52	813486	24.80

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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 UPPER LIMIT = -0.50 minutes of internal standard RT

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

QC SAMPLE DATA

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB168048BL	SDG No.:	Q2064
Lab Sample ID:	PB168048BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024706.D	1	05/19/25 08:42	05/20/25 13:55	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.00	U	3.90	8.00	10.0	ug/L
108-95-2	Phenol	4.00	U	0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.00	U	0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	4.00	U	0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	4.00	U	1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	4.00	U	0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	8.00	U	1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	4.00	U	0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	4.00	U	0.76	4.00	5.00	ug/L
78-59-1	Isophorone	4.00	U	0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	4.00	U	1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	4.00	U	1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	4.00	U	0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	4.00	U	0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	4.00	U	0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	4.00	U	0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	8.00	U	1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	4.00	U	0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	4.00	U	0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	8.00	U	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	4.00	U	0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	4.00	U	0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	4.00	U	0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	4.00	U	0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	4.00	U	1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	4.00	U	0.61	4.00	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB168048BL	SDG No.:	Q2064
Lab Sample ID:	PB168048BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024706.D	1	05/19/25 08:42	05/20/25 13:55	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.00	U	0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	4.00	U	0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	4.00	U	1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	4.00	U	0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	8.00	U	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	8.00	U	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	4.00	U	0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	4.00	U	0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	0.68	4.00	5.00	ug/L
86-73-7	Fluorene	4.00	U	0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	4.00	U	1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.00	U	2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	4.00	U	0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	4.00	U	0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	4.00	U	1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	8.00	U	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	4.00	U	0.50	4.00	5.00	ug/L
120-12-7	Anthracene	4.00	U	0.61	4.00	5.00	ug/L
86-74-8	Carbazole	4.00	U	0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	4.00	U	1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	4.00	U	0.82	4.00	5.00	ug/L
129-00-0	Pyrene	4.00	U	0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	4.00	U	1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	8.00	U	0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	4.00	U	0.45	4.00	5.00	ug/L
218-01-9	Chrysene	4.00	U	0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	8.00	U	2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	U	0.49	4.00	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB168048BL	SDG No.:	Q2064
Lab Sample ID:	PB168048BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024706.D	1	05/19/25 08:42	05/20/25 13:55	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	4.00	U	1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	133		19 - 119		88%	SPK: 150
13127-88-3	Phenol-d6	122		10 - 130		81%	SPK: 150
4165-60-0	Nitrobenzene-d5	76.1		44 - 120		76%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.8		44 - 119		77%	SPK: 100
118-79-6	2,4,6-Tribromophenol	145		43 - 140		97%	SPK: 150
1718-51-0	Terphenyl-d14	90.1		50 - 134		90%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	134000	7.658				
1146-65-2	Naphthalene-d8	501000	10.428				
15067-26-2	Acenaphthene-d10	301000	14.287				
1517-22-2	Phenanthrene-d10	642000	17.092				
1719-03-5	Chrysene-d12	692000	21.522				
1520-96-3	Perylene-d12	757000	24.821				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	6.90	A			4.82	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB168048BL	SDG No.:	Q2064
Lab Sample ID:	PB168048BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024706.D	1	05/19/25 08:42	05/20/25 13:55	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB168048BS	SDG No.:	Q2064
Lab Sample ID:	PB168048BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024707.D	1	05/19/25 08:42	05/20/25 14:35	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	30.6		3.90	8.00	10.0	ug/L
108-95-2	Phenol	40.0		0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	35.7		0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	41.7		0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	39.9		1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	34.9		1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	38.9		0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	38.8		1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	33.4		1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	38.0		0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	37.8		0.76	4.00	5.00	ug/L
78-59-1	Isophorone	35.9		0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	43.7		1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	42.9		1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	37.2		0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	43.9		0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	39.4		0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	19.5		0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	42.4		0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	39.7		1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	41.9		0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	39.5		0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	89.2	E	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	46.4		0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	45.0		0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	42.8		0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	43.0		0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	43.3		1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	42.4		0.61	4.00	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB168048BS	SDG No.:	Q2064
Lab Sample ID:	PB168048BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024707.D	1	05/19/25 08:42	05/20/25 14:35	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	41.4		0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	43.0		0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	26.3		1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	41.3		0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	81.6	E	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	75.5		2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	42.2		0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	44.7		1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	41.6		0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	42.5		0.68	4.00	5.00	ug/L
86-73-7	Fluorene	42.4		0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	40.0		1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	44.3		2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	42.6		0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	44.0		0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	44.4		0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	44.4		1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	98.8	E	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	40.6		0.50	4.00	5.00	ug/L
120-12-7	Anthracene	42.4		0.61	4.00	5.00	ug/L
86-74-8	Carbazole	42.9		0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	41.5		1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	42.5		0.82	4.00	5.00	ug/L
129-00-0	Pyrene	42.4		0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	43.1		1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	33.0		0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	41.9		0.45	4.00	5.00	ug/L
218-01-9	Chrysene	40.8		0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	44.3		1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	45.4		2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	42.5		0.49	4.00	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB168048BS	SDG No.:	Q2064
Lab Sample ID:	PB168048BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024707.D	1	05/19/25 08:42	05/20/25 14:35	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	42.7		0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	42.6		0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	42.7		0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	43.2		0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	42.1		0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	43.5		0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	30.9		1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	43.3		0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	122		19 - 119		82%	SPK: 150
13127-88-3	Phenol-d6	117		10 - 130		78%	SPK: 150
4165-60-0	Nitrobenzene-d5	69.5		44 - 120		69%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.5		44 - 119		74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	139		43 - 140		93%	SPK: 150
1718-51-0	Terphenyl-d14	76.9		50 - 134		77%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	125000	7.657				
1146-65-2	Naphthalene-d8	495000	10.428				
15067-26-2	Acenaphthene-d10	304000	14.287				
1517-22-2	Phenanthrene-d10	614000	17.081				
1719-03-5	Chrysene-d12	693000	21.516				
1520-96-3	Perylene-d12	828000	24.792				

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB168048BSD	SDG No.:	Q2064
Lab Sample ID:	PB168048BSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024708.D	1	05/19/25 08:42	05/20/25 15:16	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	33.3		3.90	8.00	10.0	ug/L
108-95-2	Phenol	41.7		0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	38.9		0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	43.8		0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	40.8		1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	35.5		1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	41.6		0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	40.5		1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	34.9		1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	39.5		0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	42.2		0.76	4.00	5.00	ug/L
78-59-1	Isophorone	37.7		0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	47.7		1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	46.0		1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	39.7		0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	47.2		0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	42.5		0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	34.9		0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	45.8		0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	43.3		1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	42.8		0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	41.9		0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	99.7	E	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	49.8		0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	48.4		0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	45.9		0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	46.2		0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	45.1		1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	44.8		0.61	4.00	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB168048BSD	SDG No.:	Q2064
Lab Sample ID:	PB168048BSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024708.D	1	05/19/25 08:42	05/20/25 15:16	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	43.7		0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	45.8		0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	37.1		1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	44.5		0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	86.7	E	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	78.4		2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	43.7		0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	45.9		1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	44.1		0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	45.4		0.68	4.00	5.00	ug/L
86-73-7	Fluorene	45.6		0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	43.8		1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	49.0		2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	47.5		0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	48.0		0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	47.6		0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	47.6		1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	110	E	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	44.4		0.50	4.00	5.00	ug/L
120-12-7	Anthracene	46.9		0.61	4.00	5.00	ug/L
86-74-8	Carbazole	46.9		0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	46.4		1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	45.0		0.82	4.00	5.00	ug/L
129-00-0	Pyrene	43.3		0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	44.7		1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	41.3		0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	44.7		0.45	4.00	5.00	ug/L
218-01-9	Chrysene	44.7		0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	47.2		1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	47.7		2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	47.0		0.49	4.00	5.00	ug/L

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB168048BSD	SDG No.:	Q2064
Lab Sample ID:	PB168048BSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024708.D	1	05/19/25 08:42	05/20/25 15:16	PB168048

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	45.9		0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	46.4		0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	45.4		0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	46.0		0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	44.9		0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	47.0		0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	31.5		1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	48.0		0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	128		19 - 119		85%	SPK: 150
13127-88-3	Phenol-d6	120		10 - 130		80%	SPK: 150
4165-60-0	Nitrobenzene-d5	75.8		44 - 120		76%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.1		44 - 119		78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	146		43 - 140		97%	SPK: 150
1718-51-0	Terphenyl-d14	79.4		50 - 134		79%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	140000	7.658				
1146-65-2	Naphthalene-d8	538000	10.422				
15067-26-2	Acenaphthene-d10	330000	14.287				
1517-22-2	Phenanthrene-d10	643000	17.081				
1719-03-5	Chrysene-d12	742000	21.516				
1520-96-3	Perylene-d12	839000	24.792				

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

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP051325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue May 13 16:21:39 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP024614.D 5 =BP024615.D 10 =BP024616.D 20 =BP024617.D 40 =BP024618.D 50 =BP024619.D 60 =BP024620.D 80 =BP0246
21.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.641	0.557	0.535	0.505	0.562	0.530	0.513	0.549	8.31
3)		Pyridine		1.054	1.135	1.202	1.198	1.363	1.307	1.263	1.218	8.57
4)		n-Nitrosodimet...		0.536	0.507	0.527	0.517	0.580	0.557	0.537	0.538	4.61
5)	S	2-Fluorophenol		1.134	1.096	1.162	1.105	1.272	1.223	1.193	1.169	5.50
6)		Aniline		1.717	1.703	1.932	1.917	2.130	2.091	1.999	1.927	8.67
7)	S	Phenol-d6		1.301	1.344	1.486	1.472	1.671	1.620	1.552	1.492	9.09
8)		2-Chlorophenol		1.200	1.204	1.311	1.303	1.465	1.433	1.376	1.327	7.83
9)		Benzaldehyde		0.991	1.008	1.046	0.955	1.043	0.954	0.766	0.966	9.91
10)	C	Phenol		1.373	1.401	1.526	1.509	1.707	1.670	1.597	1.540	8.24
11)		bis(2-Chloroet...		1.317	1.170	1.257	1.213	1.357	1.299	1.247	1.266	5.04
12)		1,3-Dichlorobe...		1.596	1.487	1.520	1.440	1.622	1.546	1.480	1.527	4.29
13)	C	1,4-Dichlorobe...		1.558	1.505	1.525	1.470	1.637	1.567	1.491	1.536	3.67
14)		1,2-Dichlorobe...		1.530	1.467	1.498	1.426	1.579	1.529	1.449	1.497	3.56
15)		Benzyl Alcohol		0.883	0.950	1.128	1.149	1.306	1.288	1.236	1.134	14.43
16)		2,2'-oxybis(1-...		1.543	1.445	1.520	1.467	1.617	1.564	1.454	1.516	4.22
17)		2-Methylphenol		0.966	0.949	1.105	1.099	1.246	1.213	1.154	1.105	10.30
18)		Hexachloroethane		0.606	0.591	0.582	0.551	0.623	0.597	0.570	0.589	4.04
19)	P	n-Nitroso-di-n...	0.880	0.977	0.967	1.086	1.048	1.142	1.132	1.026	1.032	8.63
20)		3+4-Methylphenols		1.221	1.302	1.503	1.515	1.702	1.692	1.584	1.503	12.21
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.486	0.481	0.511	0.483	0.534	0.512	0.491	0.500	3.97
23)	S	Nitrobenzene-d5		0.381	0.376	0.401	0.382	0.429	0.408	0.394	0.396	4.67
24)		Nitrobenzene		0.333	0.340	0.355	0.337	0.373	0.356	0.344	0.348	4.03
25)		Isophorone		0.644	0.640	0.695	0.673	0.753	0.721	0.682	0.687	5.91
26)	C	2-Nitrophenol		0.135	0.143	0.168	0.172	0.196	0.192	0.189	0.171	14.05
27)		2,4-Dimethylph...		0.273	0.279	0.300	0.298	0.329	0.318	0.309	0.301	6.60
28)		bis(2-Chloroet...		0.403	0.391	0.411	0.399	0.443	0.419	0.405	0.410	4.15
29)	C	2,4-Dichloroph...		0.250	0.258	0.290	0.291	0.327	0.316	0.309	0.292	9.96
30)		1,2,4-Trichlor...		0.346	0.322	0.327	0.306	0.347	0.329	0.323	0.329	4.33
31)		Naphthalene		1.064	1.026	1.049	0.980	1.091	1.037	1.007	1.036	3.54
32)		Benzoic acid			0.089	0.146	0.191	0.215	0.220	0.225	0.181	29.55
33)		4-Chloroaniline		0.348	0.371	0.420	0.418	0.465	0.462	0.442	0.418	10.62
34)	C	Hexachlorobuta...		0.231	0.214	0.211	0.198	0.222	0.209	0.206	0.213	5.08
35)		Caprolactam		0.082	0.092	0.104	0.109	0.121	0.121	0.110	0.106	13.80
36)	C	4-Chloro-3-met...		0.316	0.325	0.358	0.356	0.391	0.384	0.359	0.356	7.78
37)		2-Methylnaphth...		0.673	0.654	0.670	0.640	0.713	0.693	0.654	0.671	3.73
38)		1-Methylnaphth...		0.741	0.700	0.720	0.690	0.751	0.733	0.690	0.718	3.47

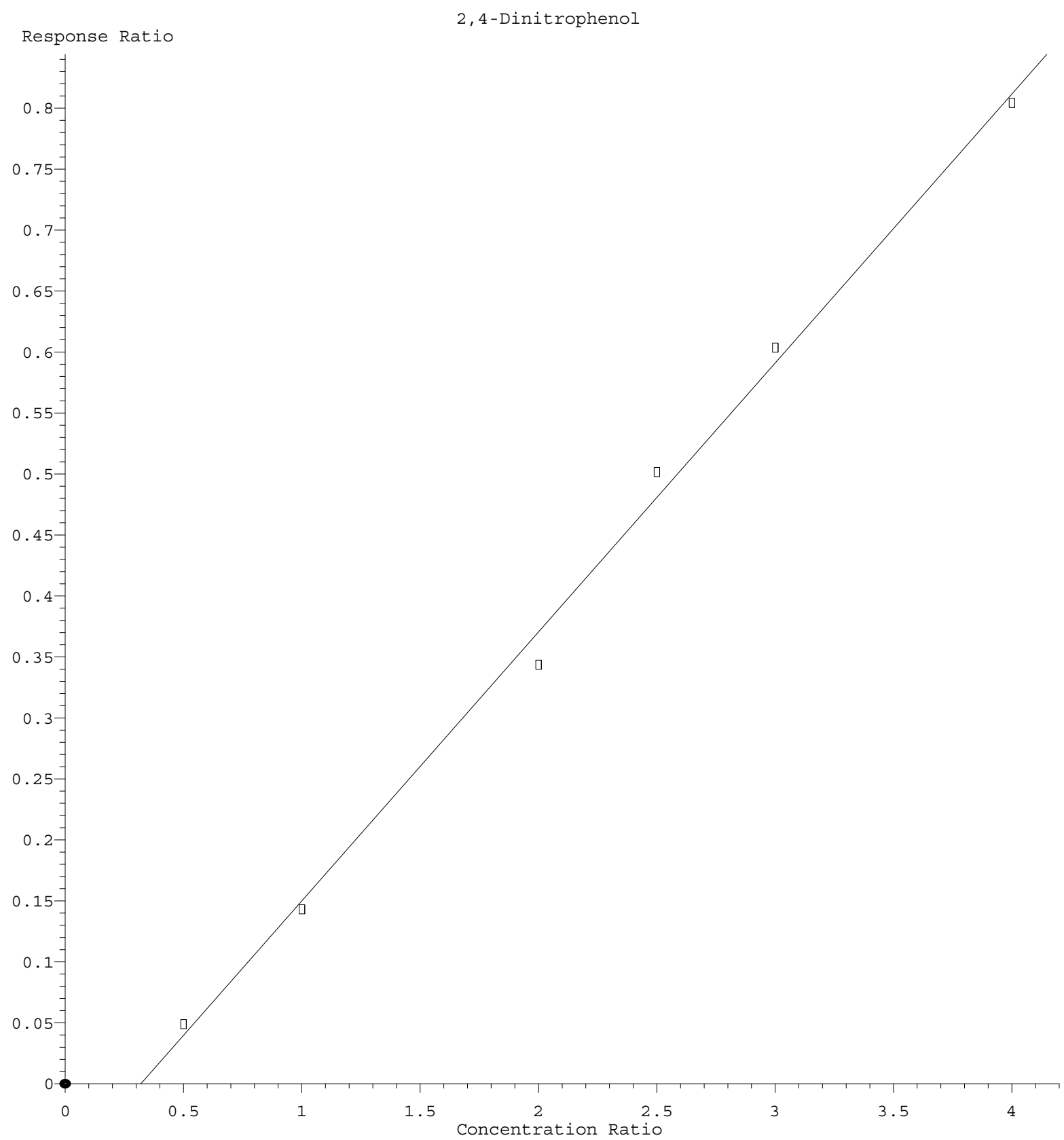
Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP051325.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.593	0.558	0.574	0.549	0.625	0.580	0.586	0.581	4.26
41)	P	Hexachlorocycl...	0.250	0.276	0.350	0.356	0.420	0.391	0.421	0.352	19.02
42)	S	2,4,6-Tribromo...	0.324	0.321	0.335	0.323	0.369	0.357	0.346	0.339	5.49
43)	C	2,4,6-Trichlor...	0.305	0.341	0.375	0.371	0.428	0.410	0.402	0.376	11.29
44)		2,4,5-Trichlor...	0.376	0.375	0.418	0.404	0.471	0.447	0.440	0.419	8.68
45)	S	2-Fluorobiphenyl	1.601	1.498	1.553	1.432	1.602	1.515	1.485	1.527	4.10
46)		1,1'-Biphenyl	1.524	1.434	1.492	1.383	1.586	1.473	1.456	1.478	4.40
47)		2-Chloronaphth...	1.147	1.106	1.131	1.065	1.196	1.132	1.113	1.127	3.56
48)		2-Nitroaniline	0.279	0.304	0.331	0.335	0.381	0.364	0.343	0.334	10.28
49)		Acenaphthylene	1.845	1.818	1.920	1.804	2.029	1.930	1.856	1.886	4.19
50)		Dimethylphthalate	1.570	1.527	1.518	1.450	1.611	1.535	1.460	1.524	3.73
51)		2,6-Dinitrotol...	0.299	0.308	0.326	0.312	0.354	0.337	0.319	0.322	5.75
52)	C	Acenaphthene	1.105	1.054	1.094	1.028	1.159	1.099	1.052	1.084	4.02
53)		3-Nitroaniline	0.258	0.275	0.329	0.340	0.379	0.370	0.350	0.329	14.04
54)	P	2,4-Dinitrophenol		0.098	0.143	0.172	0.201	0.201	0.201	0.169	24.79
55)		Dibenzofuran	1.810	1.716	1.740	1.633	1.816	1.733	1.658	1.730	4.00
56)	P	4-Nitrophenol		0.159	0.222	0.257	0.299	0.288	0.274	0.250	20.82
57)		2,4-Dinitrotol...	0.400	0.422	0.456	0.454	0.508	0.483	0.454	0.454	7.87
58)		Fluorene	1.466	1.415	1.410	1.336	1.494	1.410	1.341	1.410	4.14
59)		2,3,4,6-Tetrac...	0.367	0.364	0.381	0.379	0.428	0.406	0.394	0.388	5.89
60)		Diethylphthalate	1.593	1.542	1.537	1.444	1.639	1.563	1.468	1.541	4.40
61)		4-Chlorophenyl...	0.752	0.697	0.700	0.656	0.741	0.709	0.668	0.703	5.01
62)		4-Nitroaniline	0.228	0.259	0.326	0.330	0.375	0.363	0.341	0.317	17.06
63)		Azobenzene	1.327	1.299	1.356	1.250	1.407	1.343	1.243	1.318	4.45
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.094	0.120	0.129	0.149	0.143	0.141	0.129	15.64
66)	c	n-Nitrosodiphe...	0.603	0.589	0.627	0.593	0.667	0.621	0.600	0.614	4.41
67)		4-Bromophenyl-...	0.231	0.223	0.237	0.226	0.252	0.242	0.240	0.236	4.31
68)		Hexachlorobenzene	0.303	0.288	0.298	0.282	0.321	0.304	0.300	0.299	4.25
69)		Atrazine	0.210	0.209	0.227	0.218	0.248	0.237	0.226	0.225	6.32
70)	C	Pentachlorophenol	0.124	0.137	0.163	0.172	0.198	0.191	0.192	0.168	17.12
71)		Phenanthrene	1.144	1.085	1.125	1.051	1.170	1.125	1.083	1.112	3.68
72)		Anthracene	1.097	1.064	1.142	1.075	1.205	1.139	1.108	1.119	4.31
73)		Carbazole	0.923	0.944	1.039	1.001	1.114	1.053	1.013	1.012	6.43
74)		Di-n-butylphth...	1.182	1.218	1.332	1.260	1.447	1.363	1.313	1.302	6.97
75)	C	Fluoranthene	1.271	1.254	1.314	1.250	1.399	1.337	1.272	1.300	4.18
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.362	0.543	0.560	0.657	0.599	0.548	0.545	18.22
78)		Pyrene	1.184	1.137	1.197	1.153	1.273	1.222	1.223	1.198	3.85
79)	S	Terphenyl-d14	1.192	1.113	1.165	1.125	1.226	1.175	1.167	1.166	3.30
80)		Butylbenzylpht...	0.458	0.465	0.537	0.527	0.604	0.571	0.569	0.533	10.28
81)		Benzo(a)anthra...	1.251	1.218	1.253	1.208	1.336	1.275	1.250	1.256	3.36
82)		3,3'-Dichlorob...	0.357	0.392	0.474	0.477	0.539	0.511	0.514	0.466	14.45
83)		Chrysene	1.214	1.180	1.185	1.131	1.255	1.188	1.180	1.190	3.16
84)		Bis(2-ethylhex...	0.673	0.683	0.801	0.766	0.884	0.836	0.841	0.783	10.32
85)	c	Di-n-octyl pht...	1.048	1.116	1.272	1.280	1.458	1.376	1.417	1.281	11.95

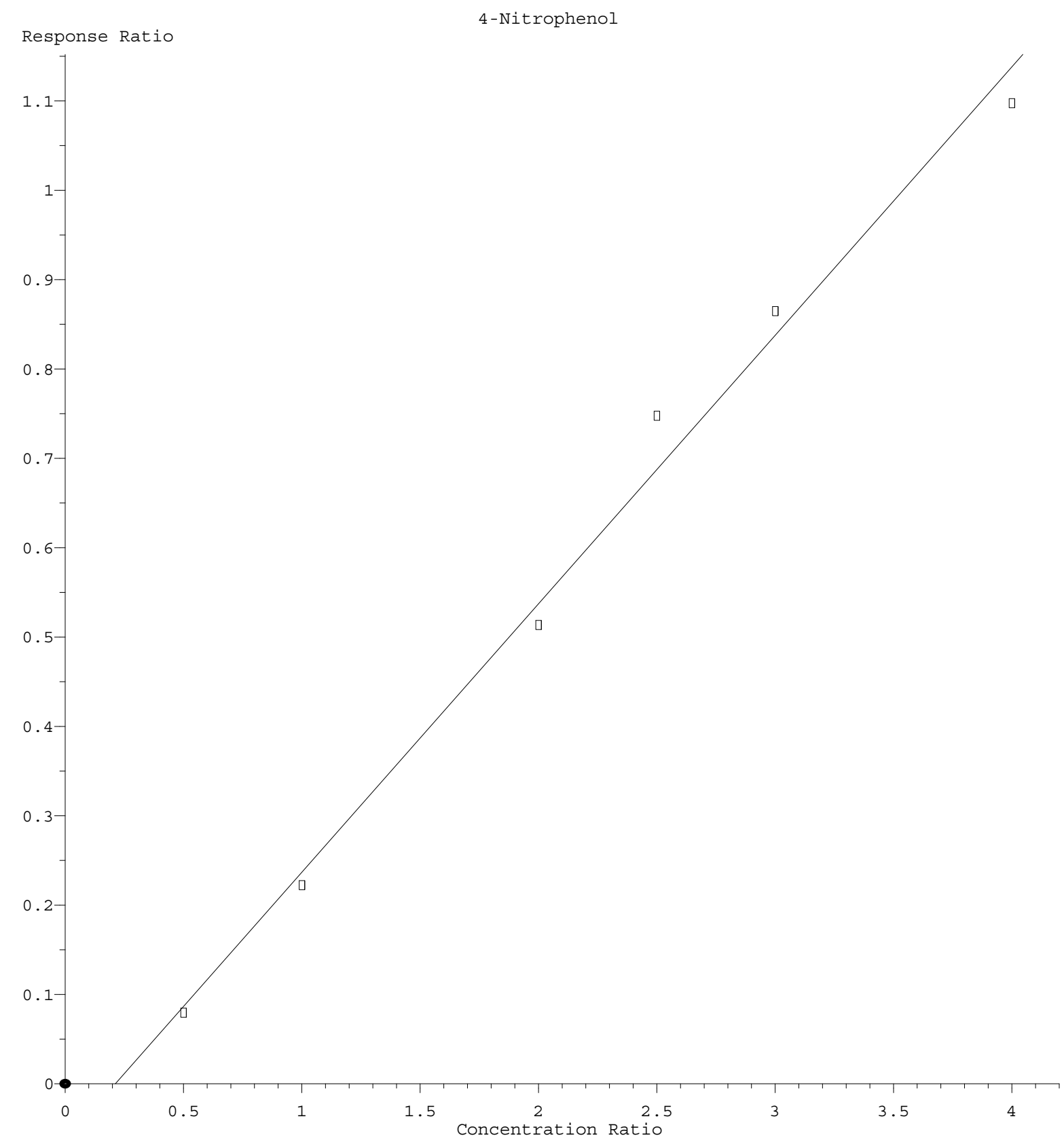
Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP051325.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.341	1.357	1.447	1.424	1.608	1.549	1.494	1.460	6.70
88)		Benzo(b)fluora...	1.028	1.070	1.152	1.103	1.288	1.184	1.189	1.145	7.58
89)		Benzo(k)fluora...	1.147	1.106	1.182	1.140	1.258	1.238	1.185	1.180	4.59
90)	C	Benzo(a)pyrene	0.995	1.001	1.112	1.064	1.221	1.167	1.136	1.099	7.68
91)		Dibenzo(a,h)an...	1.068	1.066	1.186	1.167	1.321	1.271	1.236	1.188	8.18
92)		Benzo(g,h,i)pe...	1.101	1.106	1.167	1.147	1.294	1.242	1.212	1.181	6.07

(#) = Out of Range



Response = 2.207e-001 * Amt - 7.063e-002
Coef of Det (r^2) = 0.996311 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270F12051325.M
Calibration Table Last Updated: Tue May 13 16:21:39 2025



Response = 3.005e-001 * Amt - 6.362e-002
Coef of Det (r^2) = 0.991009 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA P\Methods\8270F12051325.M
Calibration Table Last Updated: Tue May 13 16:21:39 2025

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG No.: Q2064

Instrument ID: BNA_P Calibration Date/Time: 05/20/2025 11:52

Lab File ID: BP024703.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:41 15:26

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.169	1.129		-3.4	
Benzaldehyde	0.966	0.885		-8.4	
Phenol-d6	1.492	1.410		-5.5	
Phenol	1.540	1.418		-7.9	20.0
bis(2-Chloroethyl)ether	1.266	1.114		-12.0	
2-Chlorophenol	1.327	1.280		-3.5	
2-Methylphenol	1.105	1.022		-7.5	
2,2-oxybis(1-Chloropropane)	1.516	1.340		-11.6	
Acetophenone	0.500	0.472		-5.6	
3+4-Methylphenols	1.503	1.381		-8.1	
n-Nitroso-di-n-propylamine	1.032	0.915	0.050	-11.3	
Nitrobenzene-d5	0.396	0.375		-5.3	
Hexachloroethane	0.589	0.545		-7.5	
Nitrobenzene	0.348	0.330		-5.2	
Isophorone	0.687	0.624		-9.2	
2-Nitrophenol	0.171	0.178		4.1	20.0
2,4-Dimethylphenol	0.301	0.296		-1.7	
bis(2-Chloroethoxy)methane	0.410	0.367		-10.5	
2,4-Dichlorophenol	0.292	0.289		-1.0	20.0
Naphthalene	1.036	0.995		-4.0	
4-Chloroaniline	0.418	0.409		-2.2	
Hexachlorobutadiene	0.213	0.211		-0.9	20.0
Caprolactam	0.106	0.098		-7.5	
4-Chloro-3-methylphenol	0.356	0.337		-5.3	20.0
2-Methylnaphthalene	0.671	0.634		-5.5	
Hexachlorocyclopentadiene	0.352	0.351	0.050	-0.3	
2,4,6-Trichlorophenol	0.376	0.384		2.1	20.0
2-Fluorobiphenyl	1.527	1.512		-1.0	
2,4,5-Trichlorophenol	0.419	0.427		1.9	
1,1-Biphenyl	1.478	1.420		-3.9	
2-Chloronaphthalene	1.127	1.097		-2.7	
2-Nitroaniline	0.334	0.320		-4.2	
Dimethylphthalate	1.524	1.412		-7.3	
Acenaphthylene	1.886	1.792		-5.0	
2,6-Dinitrotoluene	0.322	0.312		-3.1	
3-Nitroaniline	0.329	0.315		-4.3	
Acenaphthene	1.084	1.035		-4.5	20.0
2,4-Dinitrophenol	0.169	0.160	0.050	-5.3	
4-Nitrophenol	0.250	0.320	0.050	28.0	

Form VII SV-1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG No.: Q2064

Instrument ID: BNA_P Calibration Date/Time: 05/20/2025 11:52

Lab File ID: BP024703.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:41 15:26

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.730	1.654		-4.4	
2,4-Dinitrotoluene	0.454	0.441		-2.9	
Diethylphthalate	1.541	1.438		-6.7	
4-Chlorophenyl-phenylether	0.703	0.679		-3.4	
Fluorene	1.410	1.354		-4.0	
4-Nitroaniline	0.317	0.299		-5.7	
4,6-Dinitro-2-methylphenol	0.129	0.128		-0.8	
n-Nitrosodiphenylamine	0.614	0.596		-2.9	20.0
2,4,6-Tribromophenol	0.339	0.348		2.7	
4-Bromophenyl-phenylether	0.236	0.238		0.8	
Hexachlorobenzene	0.299	0.299		0.0	
Atrazine	0.225	0.224		-0.4	
Pentachlorophenol	0.168	0.165		-1.8	20.0
Phenanthrene	1.112	1.065		-4.2	
Anthracene	1.119	1.093		-2.3	
Carbazole	1.012	0.966		-4.5	
Di-n-butylphthalate	1.302	1.263		-3.0	
Fluoranthene	1.300	1.234		-5.1	20.0
Pyrene	1.198	1.171		-2.3	
Terphenyl-d14	1.166	1.167		0.1	
Butylbenzylphthalate	0.533	0.527		-1.1	
3,3-Dichlorobenzidine	0.466	0.476		2.1	
Benzo(a)anthracene	1.256	1.210		-3.7	
Chrysene	1.190	1.135		-4.6	
Bis(2-ethylhexyl)phthalate	0.783	0.764		-2.4	
Di-n-octyl phthalate	1.281	1.290		0.7	20.0
Benzo(b)fluoranthene	1.145	1.102		-3.8	
Benzo(k)fluoranthene	1.180	1.133		-4.0	
Benzo(a)pyrene	1.099	1.069		-2.7	20.0
Indeno(1,2,3-cd)pyrene	1.460	1.420		-2.7	
Dibenzo(a,h)anthracene	1.188	1.154		-2.9	
Benzo(g,h,i)perylene	1.181	1.129		-4.4	
1,2,4,5-Tetrachlorobenzene	0.581	0.583		0.3	
1,4-Dioxane	0.549	0.490		-10.7	20.0
2,3,4,6-Tetrachlorophenol	0.388	0.381		-1.8	

All other compounds must meet a minimum RRF of 0.010.

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG No.: Q2064

Instrument ID: BNA_P Calibration Date/Time: 05/20/2025 22:04

Lab File ID: BP024718.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 10:41 15:26

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.169	1.092		-6.6	50.0
Benzaldehyde	0.966	0.838		-13.3	50.0
Phenol-d6	1.492	1.356		-9.1	50.0
Phenol	1.540	1.377		-10.6	50.0
bis(2-Chloroethyl)ether	1.266	1.083		-14.5	50.0
2-Chlorophenol	1.327	1.268		-4.4	50.0
2-Methylphenol	1.105	1.025		-7.2	50.0
2,2-oxybis(1-Chloropropane)	1.516	1.280		-15.6	50.0
Acetophenone	0.500	0.457		-8.6	50.0
3+4-Methylphenols	1.503	1.386		-7.8	50.0
n-Nitroso-di-n-propylamine	1.032	0.882	0.050	-14.5	50.0
Nitrobenzene-d5	0.396	0.354		-10.6	50.0
Hexachloroethane	0.589	0.534		-9.3	50.0
Nitrobenzene	0.348	0.305		-12.4	50.0
Isophorone	0.687	0.600		-12.7	50.0
2-Nitrophenol	0.171	0.177		3.5	50.0
2,4-Dimethylphenol	0.301	0.290		-3.7	50.0
bis(2-Chloroethoxy)methane	0.410	0.351		-14.4	50.0
2,4-Dichlorophenol	0.292	0.292		0.0	50.0
Naphthalene	1.036	0.990		-4.4	50.0
4-Chloroaniline	0.418	0.409		-2.2	50.0
Hexachlorobutadiene	0.213	0.212		-0.5	50.0
Caprolactam	0.106	0.103		-2.8	50.0
4-Chloro-3-methylphenol	0.356	0.345		-3.1	50.0
2-Methylnaphthalene	0.671	0.644		-4.0	50.0
Hexachlorocyclopentadiene	0.352	0.353	0.050	0.3	50.0
2,4,6-Trichlorophenol	0.376	0.399		6.1	50.0
2-Fluorobiphenyl	1.527	1.493		-2.2	50.0
2,4,5-Trichlorophenol	0.419	0.440		5.0	50.0
1,1-Biphenyl	1.478	1.442		-2.4	50.0
2-Chloronaphthalene	1.127	1.121		-0.5	50.0
2-Nitroaniline	0.334	0.327		-2.1	50.0
Dimethylphthalate	1.524	1.441		-5.4	50.0
Acenaphthylene	1.886	1.808		-4.1	50.0
2,6-Dinitrotoluene	0.322	0.307		-4.7	50.0
3-Nitroaniline	0.329	0.314		-4.6	50.0
Acenaphthene	1.084	1.038		-4.2	50.0
2,4-Dinitrophenol	0.169	0.154	0.050	-8.9	50.0
4-Nitrophenol	0.250	0.339	0.050	35.6	50.0

Form VII SV-1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG No.: Q2064

Instrument ID: BNA_P Calibration Date/Time: 05/20/2025 22:04

Lab File ID: BP024718.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 10:41 15:26

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.730	1.664		-3.8	50.0
2,4-Dinitrotoluene	0.454	0.455		0.2	50.0
Diethylphthalate	1.541	1.454		-5.6	50.0
4-Chlorophenyl-phenylether	0.703	0.687		-2.3	50.0
Fluorene	1.410	1.366		-3.1	50.0
4-Nitroaniline	0.317	0.313		-1.3	50.0
4,6-Dinitro-2-methylphenol	0.129	0.126		-2.3	50.0
n-Nitrosodiphenylamine	0.614	0.608		-1.0	50.0
2,4,6-Tribromophenol	0.339	0.363		7.1	50.0
4-Bromophenyl-phenylether	0.236	0.239		1.3	50.0
Hexachlorobenzene	0.299	0.304		1.7	50.0
Atrazine	0.225	0.226		0.4	50.0
Pentachlorophenol	0.168	0.252		50.0	50.0
Phenanthrene	1.112	1.068		-4.0	50.0
Anthracene	1.119	1.103		-1.4	50.0
Carbazole	1.012	0.988		-2.4	50.0
Di-n-butylphthalate	1.302	1.289		-1.0	50.0
Fluoranthene	1.300	1.253		-3.6	50.0
Pyrene	1.198	1.170		-2.3	50.0
Terphenyl-d14	1.166	1.166		0.0	50.0
Butylbenzylphthalate	0.533	0.540		1.3	50.0
3,3-Dichlorobenzidine	0.466	0.494		6.0	50.0
Benzo(a)anthracene	1.256	1.204		-4.1	50.0
Chrysene	1.190	1.133		-4.8	50.0
Bis(2-ethylhexyl)phthalate	0.783	0.781		-0.3	50.0
Di-n-octyl phthalate	1.281	1.349		5.3	50.0
Benzo(b)fluoranthene	1.145	1.086		-5.2	50.0
Benzo(k)fluoranthene	1.180	1.096		-7.1	50.0
Benzo(a)pyrene	1.099	1.047		-4.7	50.0
Indeno(1,2,3-cd)pyrene	1.460	1.407		-3.6	50.0
Dibenzo(a,h)anthracene	1.188	1.146		-3.5	50.0
Benzo(g,h,i)perylene	1.181	1.125		-4.7	50.0
1,2,4,5-Tetrachlorobenzene	0.581	0.572		-1.5	50.0
1,4-Dioxane	0.549	0.467		-14.9	50.0
2,3,4,6-Tetrachlorophenol	0.388	0.398		2.6	50.0

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

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

LAB CHRONICLE

OrderID:	Q2064	**OrderDate:**	5/16/2025 10:39:00 AM
Client:	Tetra Tech NUS, Inc.	**Project:**	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	**Location:**	L41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2064-01	**RW8-SP100-70-20250514**	**Water**			**05/14/25**			**05/16/25**
			SVOC-SIMGroup1	8270-Modified		05/16/25	05/19/25	
Q2064-02	**RW8-SP201-70-20250514**	**Water**			**05/14/25**			**05/16/25**
			SVOC-SIMGroup1	8270-Modified		05/16/25	05/19/25	
Q2064-03	**RW8-SP301-70-20250514**	**Water**			**05/14/25**			**05/16/25**
			SVOC-SIMGroup1	8270-Modified		05/16/25	05/19/25	
Q2064-04	**RW8-SP303-70-20250514**	**Water**			**05/14/25**			**05/16/25**
			SVOC-SIMGroup1	8270-Modified		05/16/25	05/19/25	
Q2064-05	**RW8-SP100-90-20250514**	**Water**			**05/14/25**			**05/16/25**
			SVOC-SIMGroup1	8270-Modified		05/16/25	05/19/25	
Q2064-06	**RW8-SP201-90-20250514**	**Water**			**05/14/25**			**05/16/25**
			SVOC-SIMGroup1	8270-Modified		05/16/25	05/19/25	
Q2064-07	**RW8-SP301-90-20250514**	**Water**			**05/14/25**			**05/16/25**
			SVOC-SIMGroup1	8270-Modified		05/16/25	05/19/25	
Q2064-08	**RW8-SP303-90-20250514**	**Water**			**05/14/25**			**05/16/25**
			SVOC-SIMGroup1	8270-Modified		05/16/25	05/19/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q2064

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :									
				0.000					
			Total Svoc :		**0.00**				
			Total Concentration:		**0.00**				

SAMPLE DATA

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP100-70-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-01	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037040.D	1	05/16/25 11:50	05/19/25 12:02	PB168032

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.33		30 - 150		82%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 - 150		89%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		55 - 111		76%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.30		53 - 106		76%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.48		58 - 132		120%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2280	7.618				
1146-65-2	Naphthalene-d8	5860	10.393				
15067-26-2	Acenaphthene-d10	3460	14.266				
1517-22-2	Phenanthrene-d10	6950	17.008				
1719-03-5	Chrysene-d12	5150	21.206				
1520-96-3	Perylene-d12	4430	23.412				

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP201-70-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-02	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037041.D	1	05/16/25 11:50	05/19/25 12:38	PB168032

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.31		30 - 150		78%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 - 150		90%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		55 - 111		77%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		82%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.48		58 - 132		119%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2120	7.618				
1146-65-2	Naphthalene-d8	5490	10.394				
15067-26-2	Acenaphthene-d10	3250	14.266				
1517-22-2	Phenanthrene-d10	6450	17.009				
1719-03-5	Chrysene-d12	4690	21.206				
1520-96-3	Perylene-d12	3970	23.409				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP301-70-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-03	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037042.D	1	05/16/25 11:50	05/19/25 13:14	PB168032

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.31		30 - 150		77%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.38		30 - 150		94%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.29		55 - 111		74%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.29		53 - 106		73%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.48		58 - 132		120%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1780	7.618				
1146-65-2	Naphthalene-d8	4660	10.394				
15067-26-2	Acenaphthene-d10	2790	14.267				
1517-22-2	Phenanthrene-d10	5610	17.009				
1719-03-5	Chrysene-d12	4270	21.207				
1520-96-3	Perylene-d12	3800	23.412				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP303-70-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-04	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037043.D	1	05/16/25 11:50	05/19/25 13:50	PB168032

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.31		30 - 150		78%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.40		30 - 150		100%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		55 - 111		77%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		53 - 106		77%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.42		58 - 132		105%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2000	7.611				
1146-65-2	Naphthalene-d8	5430	10.394				
15067-26-2	Acenaphthene-d10	3160	14.256				
1517-22-2	Phenanthrene-d10	6700	17.009				
1719-03-5	Chrysene-d12	6430	21.206				
1520-96-3	Perylene-d12	6030	23.409				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP100-90-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-05	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037044.D	1	05/16/25 11:50	05/19/25 14:26	PB168032

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.34		30 - 150		84%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 - 150		97%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.30		55 - 111		75%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		83%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.47		58 - 132		117%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2320	7.618				
1146-65-2	Naphthalene-d8	6300	10.394				
15067-26-2	Acenaphthene-d10	3790	14.267				
1517-22-2	Phenanthrene-d10	7490	17.009				
1719-03-5	Chrysene-d12	5980	21.207				
1520-96-3	Perylene-d12	5450	23.409				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP201-90-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-06	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037045.D	1	05/16/25 11:50	05/19/25 15:03	PB168032

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.31		30 - 150		76%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 - 150		93%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.29		55 - 111		72%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		53 - 106		84%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.47		58 - 132		118%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2090	7.618				
1146-65-2	Naphthalene-d8	5670	10.394				
15067-26-2	Acenaphthene-d10	3260	14.267				
1517-22-2	Phenanthrene-d10	6500	17.009				
1719-03-5	Chrysene-d12	5190	21.207				
1520-96-3	Perylene-d12	4620	23.41				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP301-90-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-07	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037046.D	1	05/16/25 11:50	05/19/25 15:39	PB168032

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.32		30 - 150		79%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.38		30 - 150		94%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		55 - 111		78%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.30		53 - 106		75%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.47		58 - 132		117%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2280	7.611				
1146-65-2	Naphthalene-d8	6030	10.393				
15067-26-2	Acenaphthene-d10	3510	14.266				
1517-22-2	Phenanthrene-d10	6890	17.009				
1719-03-5	Chrysene-d12	5520	21.206				
1520-96-3	Perylene-d12	4790	23.409				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP303-90-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-08	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037047.D	1	05/16/25 11:50	05/19/25 16:15	PB168032

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.28		30 - 150		70%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 - 150		86%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.28		55 - 111		70%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.28		53 - 106		71%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.52		58 - 132		130%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	2030	7.618				
1146-65-2	Naphthalene-d8	5460	10.393				
15067-26-2	Acenaphthene-d10	3220	14.256				
1517-22-2	Phenanthrene-d10	6590	17.008				
1719-03-5	Chrysene-d12	5250	21.206				
1520-96-3	Perylene-d12	4400	23.409				

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

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

Surrogate Summary

SW-846

SDG No.: Q2064

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	High
PB168032BL	PB168032BL	2-Methylnaphthalene-d10	0.4	0.36	90		30	150
		Fluoranthene-d10	0.4	0.34	84		30	150
		Nitrobenzene-d5	0.4	0.32	81		55	111
		2-Fluorobiphenyl	0.4	0.34	84		53	106
		Terphenyl-d14	0.4	0.42	104		58	132
PB168032BS	PB168032BS	2-Methylnaphthalene-d10	0.4	0.39	96		30	150
		Fluoranthene-d10	0.4	0.33	81		30	150
		Nitrobenzene-d5	0.4	0.32	81		55	111
		2-Fluorobiphenyl	0.4	0.33	83		53	106
		Terphenyl-d14	0.4	0.39	97		58	132
PB168032BSD	PB168032BSD	2-Methylnaphthalene-d10	0.4	0.39	98		30	150
		Fluoranthene-d10	0.4	0.33	83		30	150
		Nitrobenzene-d5	0.4	0.35	88		55	111
		2-Fluorobiphenyl	0.4	0.33	83		53	106
		Terphenyl-d14	0.4	0.42	104		58	132
Q2064-01	RW8-SP100-70-20250514	2-Methylnaphthalene-d10	0.4	0.33	82		30	150
		Fluoranthene-d10	0.4	0.36	89		30	150
		Nitrobenzene-d5	0.4	0.31	76		55	111
		2-Fluorobiphenyl	0.4	0.30	76		53	106
		Terphenyl-d14	0.4	0.48	120		58	132
Q2064-02	RW8-SP201-70-20250514	2-Methylnaphthalene-d10	0.4	0.31	78		30	150
		Fluoranthene-d10	0.4	0.36	90		30	150
		Nitrobenzene-d5	0.4	0.31	77		55	111
		2-Fluorobiphenyl	0.4	0.33	82		53	106
		Terphenyl-d14	0.4	0.48	119		58	132
Q2064-03	RW8-SP301-70-20250514	2-Methylnaphthalene-d10	0.4	0.31	77		30	150
		Fluoranthene-d10	0.4	0.38	94		30	150
		Nitrobenzene-d5	0.4	0.29	74		55	111
		2-Fluorobiphenyl	0.4	0.29	73		53	106
		Terphenyl-d14	0.4	0.48	120		58	132
Q2064-04	RW8-SP303-70-20250514	2-Methylnaphthalene-d10	0.4	0.31	78		30	150
		Fluoranthene-d10	0.4	0.40	100		30	150
		Nitrobenzene-d5	0.4	0.31	77		55	111
		2-Fluorobiphenyl	0.4	0.31	77		53	106
		Terphenyl-d14	0.4	0.42	105		58	132
Q2064-05	RW8-SP100-90-20250514	2-Methylnaphthalene-d10	0.4	0.34	84		30	150
		Fluoranthene-d10	0.4	0.39	97		30	150
		Nitrobenzene-d5	0.4	0.30	75		55	111
		2-Fluorobiphenyl	0.4	0.33	83		53	106
		Terphenyl-d14	0.4	0.47	117		58	132
Q2064-06	RW8-SP201-90-20250514	2-Methylnaphthalene-d10	0.4	0.31	76		30	150
		Fluoranthene-d10	0.4	0.37	93		30	150
		Nitrobenzene-d5	0.4	0.29	72		55	111
		2-Fluorobiphenyl	0.4	0.34	84		53	106
		Terphenyl-d14	0.4	0.47	118		58	132
Q2064-07	RW8-SP301-90-20250514	2-Methylnaphthalene-d10	0.4	0.32	79		30	150
		Fluoranthene-d10	0.4	0.38	94		30	150
		Nitrobenzene-d5	0.4	0.31	78		55	111
		2-Fluorobiphenyl	0.4	0.30	75		53	106
		Terphenyl-d14	0.4	0.47	117		58	132
Q2064-08	RW8-SP303-90-20250514	2-Methylnaphthalene-d10	0.4	0.28	70		30	150

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

Surrogate Summary

SW-846

SDG No.: Q2064

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2064-08	RW8-SP303-90-20250514	Fluoranthene-d10	0.4	0.34	86		30	150
		Nitrobenzene-d5	0.4	0.28	70		55	111
		2-Fluorobiphenyl	0.4	0.28	71		53	106
		Terphenyl-d14	0.4	0.52	130		58	132

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2064

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified **DataFile:** BN037080.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168032BS	1,4-Dioxane	0.4	0.31	ug/L	78				70	130	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2064

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270-Modified **DataFile:** BN037081.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168032BSD	1,4-Dioxane	0.4	0.32	ug/L	80	3			70	130	20

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168032BL

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG NO.: Q2064

Lab File ID: BN037075.D Lab Sample ID: PB168032BL

Instrument ID: BNA_N Date Extracted: 05/16/2025

Matrix: (soil/water) Water Date Analyzed: 05/20/2025

Level: (low/med) LOW Time Analyzed: 15:45

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168032BS	PB168032BS	BN037080.D	05/20/2025
PB168032BSD	PB168032BSD	BN037081.D	05/20/2025
RW8-SP100-70-20250514	Q2064-01	BN037040.D	05/19/2025
RW8-SP201-70-20250514	Q2064-02	BN037041.D	05/19/2025
RW8-SP301-70-20250514	Q2064-03	BN037042.D	05/19/2025
RW8-SP303-70-20250514	Q2064-04	BN037043.D	05/19/2025
RW8-SP100-90-20250514	Q2064-05	BN037044.D	05/19/2025
RW8-SP201-90-20250514	Q2064-06	BN037045.D	05/19/2025
RW8-SP301-90-20250514	Q2064-07	BN037046.D	05/19/2025
RW8-SP303-90-20250514	Q2064-08	BN037047.D	05/19/2025

COMMENTS:

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: Q2064 SDG NO.: Q2064

Lab File ID: BN036998.D DFTPP Injection Date: 05/13/2025

Instrument ID: BNA_N DFTPP Injection Time: 17:02

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	62.8
68	Less than 2.0% of mass 69	0.8 (1.4) 1
69	Mass 69 relative abundance	55.6
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	52.7
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	23.8
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	8.7
442	Greater than 50% of mass 198	55
443	15.0 - 24.0% of mass 442	10.4 (19) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC0.1	SSTDICC0.1	BN036999.D	05/13/2025	17:41
SSTDICC0.2	SSTDICC0.2	BN037000.D	05/13/2025	18:17
SSTDICCC0.4	SSTDICCC0.4	BN037001.D	05/13/2025	18:53
SSTDICC0.8	SSTDICC0.8	BN037002.D	05/13/2025	19:29
SSTDICC1.6	SSTDICC1.6	BN037003.D	05/13/2025	20:05
SSTDICC3.2	SSTDICC3.2	BN037004.D	05/13/2025	20:41
SSTDICC5.0	SSTDICC5.0	BN037005.D	05/13/2025	21:17

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: Q2064 SDG NO.: Q2064

Lab File ID: BN037037.D DFTPP Injection Date: 05/19/2025

Instrument ID: BNA_N DFTPP Injection Time: 10:08

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	62.3
68	Less than 2.0% of mass 69	0.8 (1.4) 1
69	Mass 69 relative abundance	55.6
70	Less than 2.0% of mass 69	0.4 (0.7) 1
127	10.0 - 80.0% of mass 198	51.1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	24.7
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	8.8
442	Greater than 50% of mass 198	56.2
443	15.0 - 24.0% of mass 442	10.1 (18) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN037038.D	05/19/2025	10:47
RW8-SP100-70-20250514	Q2064-01	BN037040.D	05/19/2025	12:02
RW8-SP201-70-20250514	Q2064-02	BN037041.D	05/19/2025	12:38
RW8-SP301-70-20250514	Q2064-03	BN037042.D	05/19/2025	13:14
RW8-SP303-70-20250514	Q2064-04	BN037043.D	05/19/2025	13:50
RW8-SP100-90-20250514	Q2064-05	BN037044.D	05/19/2025	14:26
RW8-SP201-90-20250514	Q2064-06	BN037045.D	05/19/2025	15:03
RW8-SP301-90-20250514	Q2064-07	BN037046.D	05/19/2025	15:39
RW8-SP303-90-20250514	Q2064-08	BN037047.D	05/19/2025	16:15
SSTDCCC0.4EC	SSTDCCC0.4	BN037055.D	05/19/2025	21:05

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: Q2064 SDG NO.: Q2064

Lab File ID: BN037073.D DFTPP Injection Date: 05/20/2025

Instrument ID: BNA_N DFTPP Injection Time: 14:30

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	69.3
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	59.3
70	Less than 2.0% of mass 69	0.3 (0.4) 1
127	10.0 - 80.0% of mass 198	52.8
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	25.4
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	8.8
442	Greater than 50% of mass 198	54.2
443	15.0 - 24.0% of mass 442	10.5 (19.4) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN037074.D	05/20/2025	15:09
PB168032BL	PB168032BL	BN037075.D	05/20/2025	15:45
PB168032BS	PB168032BS	BN037080.D	05/20/2025	18:47
PB168032BSD	PB168032BSD	BN037081.D	05/20/2025	19:23
SSTDCCC0.4EC	SSTDCCC0.4	BN037082.D	05/20/2025	19:59

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG NO.: Q2064

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 05/19/2025

Lab File ID: BN037038.D Time Analyzed: 10:47

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	2152	7.611	5916	10.39	3512	14.26
	UPPER LIMIT	4304	8.111	11832	10.894	7024	14.756
	LOWER LIMIT	1076	7.111	2958	9.894	1756	13.756
	EPA SAMPLE NO.						
01	RW8-SP100-70-20250514	2279	7.62	5859	10.39	3462	14.27
02	RW8-SP201-70-20250514	2118	7.62	5485	10.39	3246	14.27
03	RW8-SP301-70-20250514	1782	7.62	4662	10.39	2793	14.27
04	RW8-SP303-70-20250514	1997	7.61	5434	10.39	3163	14.26
05	RW8-SP100-90-20250514	2321	7.62	6299	10.39	3791	14.27
06	RW8-SP201-90-20250514	2089	7.62	5673	10.39	3262	14.27
07	RW8-SP301-90-20250514	2277	7.61	6028	10.39	3511	14.27
08	RW8-SP303-90-20250514	2025	7.62	5455	10.39	3218	14.26

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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 UPPER LIMIT = -0.50 minutes of internal standard RT

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

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG NO.: Q2064

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 05/19/2025

Lab File ID: BN037038.D Time Analyzed: 10:47

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	7043	17.009	5607	21.207	4830	23.41
	UPPER LIMIT	14086	17.509	11214	21.707	9660	23.91
	LOWER LIMIT	3521.5	16.509	2803.5	20.707	2415	22.91
	EPA SAMPLE NO.						
01	RW8-SP100-70-20250514	6945	17.01	5149	21.21	4430	23.41
02	RW8-SP201-70-20250514	6445	17.01	4692	21.21	3974	23.41
03	RW8-SP301-70-20250514	5609	17.01	4274	21.21	3800	23.41
04	RW8-SP303-70-20250514	6695	17.01	6428	21.21	6026	23.41
05	RW8-SP100-90-20250514	7488	17.01	5983	21.21	5445	23.41
06	RW8-SP201-90-20250514	6500	17.01	5189	21.21	4615	23.41
07	RW8-SP301-90-20250514	6888	17.01	5515	21.21	4790	23.41
08	RW8-SP303-90-20250514	6585	17.01	5247	21.21	4400	23.41

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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 UPPER LIMIT = -0.50 minutes of internal standard RT

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

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG NO.: Q2064

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 05/20/2025

Lab File ID: BN037074.D Time Analyzed: 15:09

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	2240	7.611	6230	10.39	3461	14.26
	UPPER LIMIT	4480	8.111	12460	10.894	6922	14.756
	LOWER LIMIT	1120	7.111	3115	9.894	1730.5	13.756
	EPA SAMPLE NO.						
01	PB168032BL	1695	7.61	4260	10.39	2468	14.26
02	PB168032BS	1842	7.61	4702	10.39	2635	14.26
03	PB168032BSD	1841	7.61	4693	10.39	2613	14.26

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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 UPPER LIMIT = -0.50 minutes of internal standard RT

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

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG NO.: Q2064

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 05/20/2025

Lab File ID: BN037074.D Time Analyzed: 15:09

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	6762	17.009	4645	21.207	3820	23.407
	UPPER LIMIT	13524	17.509	9290	21.707	7640	23.907
	LOWER LIMIT	3381	16.509	2322.5	20.707	1910	22.907
	EPA SAMPLE NO.						
01	PB168032BL	5072	17.01	3622	21.21	3128	23.41
02	PB168032BS	5352	17.01	4047	21.21	3455	23.40
03	PB168032BSD	5111	17.01	3649	21.20	3038	23.40

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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 UPPER LIMIT = -0.50 minutes of internal standard RT

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

QC SAMPLE DATA

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB168032BL	SDG No.:	Q2064
Lab Sample ID:	PB168032BL	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037075.D	1	05/16/25 11:50	05/20/25 15:45	PB168032

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.20	U	0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.36		30 - 150		90%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.34		30 - 150		84%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		55 - 111		81%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		53 - 106		84%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.42		58 - 132		104%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1700	7.611				
1146-65-2	Naphthalene-d8	4260	10.393				
15067-26-2	Acenaphthene-d10	2470	14.256				
1517-22-2	Phenanthrene-d10	5070	17.008				
1719-03-5	Chrysene-d12	3620	21.206				
1520-96-3	Perylene-d12	3130	23.409				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB168032BS	SDG No.:	Q2064
Lab Sample ID:	PB168032BS	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037080.D	1	05/16/25 11:50	05/20/25 18:47	PB168032

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.31		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.39		30 - 150		96%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.33		30 - 150		81%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		55 - 111		81%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		83%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.39		58 - 132		97%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1840	7.611				
1146-65-2	Naphthalene-d8	4700	10.394				
15067-26-2	Acenaphthene-d10	2640	14.256				
1517-22-2	Phenanthrene-d10	5350	17.009				
1719-03-5	Chrysene-d12	4050	21.206				
1520-96-3	Perylene-d12	3460	23.404				

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

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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB168032BSD	SDG No.:	Q2064
Lab Sample ID:	PB168032BSD	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037081.D	1	05/16/25 11:50	05/20/25 19:23	PB168032

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.32		0.070	0.20	0.20	ug/L
SURROGATES							
7297-45-2	2-Methylnaphthalene-d10	0.39		30 - 150		98%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.33		30 - 150		83%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		55 - 111		88%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		53 - 106		83%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.42		58 - 132		104%	SPK: 0.4
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	1840	7.611				
1146-65-2	Naphthalene-d8	4690	10.394				
15067-26-2	Acenaphthene-d10	2610	14.256				
1517-22-2	Phenanthrene-d10	5110	17.009				
1719-03-5	Chrysene-d12	3650	21.198				
1520-96-3	Perylene-d12	3040	23.401				

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

Response Factor Report BNA_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN051425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed May 14 11:26:32 2025
Response Via : Initial Calibration

Calibration Files
0.1 =BN036999.D 0.2 =BN037000.D 0.4 =BN037001.D 0.8 =BN037002.D 1.6 =BN037003.D 3.2 =BN037004.D 5.0 =BN037005.D

		Compound	0.1	0.2	0.4	0.8	1.6	3.2	5.0	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------								
2)		1,4-Dioxane		0.510	0.512	0.487	0.514	0.467	0.454	0.491	5.25
3)		n-Nitrosodimet...	1.465	0.974	0.980	0.971	1.075	0.967	0.950	1.054	17.59
4)	S	2-Fluorophenol		1.101	1.134	1.024	1.093	0.964	0.971	1.048	6.87
5)	S	Phenol-d6		1.304	1.385	1.236	1.392	1.259	1.292	1.311	4.91
6)		bis(2-Chloroet...	1.441	1.163	1.153	1.135	1.240	1.168	1.148	1.207	9.02
7)	I	Naphthalene-d8	----------ISTD----------								
8)	S	Nitrobenzene-d5	0.546	0.383	0.398	0.400	0.452	0.426	0.442	0.436	12.60
9)		Naphthalene	1.326	1.140	1.144	1.122	1.226	1.152	1.165	1.182	6.05
10)		Hexachlorobuta...	0.286	0.248	0.244	0.235	0.256	0.236	0.233	0.248	7.47
11)	SURR	2-Methylnaphth...	0.529	0.547	0.552	0.548	0.603	0.574	0.588	0.563	4.65
12)		2-Methylnaphth...	0.754	0.724	0.736	0.733	0.814	0.770	0.790	0.760	4.34
13)	I	Acenaphthene-d10	----------ISTD----------								
14)	S	2,4,6-Tribromo...	0.174	0.168	0.178	0.160	0.186	0.175	0.189	0.176	5.77
15)	S	2-Fluorobiphenyl	1.912	1.801	1.901	1.802	1.927	1.672	1.807	1.832	4.90
16)		Acenaphthylene	1.906	1.838	1.894	1.849	2.071	1.997	2.075	1.947	5.14
17)		Acenaphthene	1.255	1.229	1.243	1.217	1.350	1.298	1.315	1.272	3.89
18)		Fluorene	1.602	1.581	1.635	1.611	1.779	1.721	1.752	1.669	4.80
19)	I	Phenanthrene-d10	----------ISTD----------								
20)		4,6-Dinitro-2-...		0.060	0.073	0.079	0.102	0.103	0.124	0.090	26.02
21)		4-Bromophenyl-...	0.243	0.246	0.250	0.247	0.262	0.261	0.259	0.253	3.13
22)		Hexachlorobenzene	0.267	0.269	0.281	0.259	0.281	0.270	0.267	0.270	3.03
23)		Atrazine	0.199	0.207	0.211	0.213	0.237	0.234	0.242	0.220	7.64
24)		Pentachlorophenol	0.133	0.134	0.141	0.137	0.159	0.162	0.177	0.149	11.45
25)		Phenanthrene	1.259	1.272	1.292	1.263	1.367	1.337	1.361	1.307	3.56
26)		Anthracene	1.099	1.104	1.166	1.130	1.269	1.259	1.300	1.190	7.13
27)	SURR	Fluoranthene-d10	1.033	1.033	1.078	1.042	1.153	1.161	1.178	1.097	5.95
28)		Fluoranthene	1.461	1.439	1.500	1.496	1.670	1.672	1.693	1.562	7.13
29)	I	Chrysene-d12	----------ISTD----------								
30)		Pyrene	1.744	1.708	1.727	1.656	1.790	1.641	1.711	1.711	2.96
31)	S	Terphenyl-d14	0.897	0.844	0.871	0.822	0.891	0.816	0.848	0.856	3.73
32)		Benzo(a)anthra...	1.463	1.432	1.485	1.438	1.594	1.521	1.609	1.506	4.77
33)		Chrysene	1.655	1.559	1.616	1.532	1.653	1.560	1.576	1.593	3.05
34)		Bis(2-ethylhex...	0.955	0.919	0.906	0.855	0.941	0.903	1.011	0.927	5.27
35)	I	Perylene-d12	----------ISTD----------								

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN051425.M

36)		Indeno(1,2,3-c...	1.511	1.613	1.645	1.568	1.687	1.732	1.680	1.634	4.65
37)		Benzo(b)fluora...	1.631	1.570	1.602	1.599	1.749	1.698	1.765	1.659	4.71
38)		Benzo(k)fluora...	1.539	1.538	1.642	1.601	1.770	1.661	1.719	1.639	5.34
39)	C	Benzo(a)pyrene	1.380	1.343	1.381	1.331	1.486	1.444	1.486	1.407	4.59
40)		Dibenzo(a,h)an...	1.116	1.232	1.273	1.237	1.340	1.376	1.334	1.272	6.90
41)		Benzo(g,h,i)pe...	1.299	1.407	1.424	1.330	1.403	1.439	1.376	1.383	3.72

(#) = Out of Range

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG No.: Q2064

Instrument ID: BNA_N Calibration Date/Time: 05/19/2025 10:47

Lab File ID: BN037038.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 17:41 21:17

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.563	0.598		6.2	20.0
Fluoranthene-d10	1.097	1.086		-1.0	20.0
2-Fluorophenol	1.048	0.944		-9.9	20.0
Phenol-d6	1.311	1.169		-10.8	20.0
Nitrobenzene-d5	0.436	0.392		-10.1	20.0
2-Fluorobiphenyl	1.832	1.706		-6.9	20.0
2,4,6-Tribromophenol	0.176	0.147		-16.5	20.0
Terphenyl-d14	0.856	0.915		6.9	20.0
1,4-Dioxane	0.491	0.461		-6.1	20.0

All other compounds must meet a minimum RRF of 0.010.

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG No.: Q2064

Instrument ID: BNA_N Calibration Date/Time: 05/19/2025 21:05

Lab File ID: BN037055.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 17:41 21:17

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.563	0.581		3.2	50.0
Fluoranthene-d10	1.097	1.058		-3.6	50.0
2-Fluorophenol	1.048	0.956		-8.8	50.0
Phenol-d6	1.311	1.171		-10.7	50.0
Nitrobenzene-d5	0.436	0.406		-6.9	50.0
2-Fluorobiphenyl	1.832	1.804		-1.5	50.0
2,4,6-Tribromophenol	0.176	0.160		-9.1	50.0
Terphenyl-d14	0.856	0.927		8.3	50.0
1,4-Dioxane	0.491	0.456		-7.1	50.0

All other compounds must meet a minimum RRF of 0.010.

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG No.: Q2064

Instrument ID: BNA_N Calibration Date/Time: 05/20/2025 15:09

Lab File ID: BN037074.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 17:41 21:17

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.563	0.573		1.8	20.0
Fluoranthene-d10	1.097	1.010		-7.9	20.0
2-Fluorophenol	1.048	0.964		-8.0	20.0
Phenol-d6	1.311	1.198		-8.6	20.0
Nitrobenzene-d5	0.436	0.402		-7.8	20.0
2-Fluorobiphenyl	1.832	1.798		-1.9	20.0
2,4,6-Tribromophenol	0.176	0.153		-13.1	20.0
Terphenyl-d14	0.856	0.940		9.8	20.0
1,4-Dioxane	0.491	0.488		-0.6	20.0

All other compounds must meet a minimum RRF of 0.010.

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q2064 SAS No.: Q2064 SDG No.: Q2064

Instrument ID: BNA_N Calibration Date/Time: 05/20/2025 19:59

Lab File ID: BN037082.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC0.4EC Init. Calib. Time(s): 17:41 21:17

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.563	0.581		3.2	50.0
Fluoranthene-d10	1.097	1.017		-7.3	50.0
2-Fluorophenol	1.048	0.946		-9.7	50.0
Phenol-d6	1.311	1.150		-12.3	50.0
Nitrobenzene-d5	0.436	0.417		-4.4	50.0
2-Fluorobiphenyl	1.832	1.796		-2.0	50.0
2,4,6-Tribromophenol	0.176	0.165		-6.3	50.0
Terphenyl-d14	0.856	0.957		11.8	50.0
1,4-Dioxane	0.491	0.473		-3.7	50.0

All other compounds must meet a minimum RRF of 0.010.

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

LAB CHRONICLE

OrderID:	Q2064	**OrderDate:**	5/16/2025 10:39:00 AM
Client:	Tetra Tech NUS, Inc.	**Project:**	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	**Location:**	L41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2064-01	**RW8-SP100-70-20250514**	**Water**			**05/14/25**			**05/16/25**
			Mercury	7470A		05/16/25	05/20/25	
			Metals ICP-TAL	6010D		05/16/25	05/19/25	
Q2064-04	**RW8-SP303-70-20250514**	**Water**			**05/14/25**			**05/16/25**
			Mercury	7470A		05/16/25	05/20/25	
			Metals ICP-TAL	6010D		05/16/25	05/19/25	
Q2064-05	**RW8-SP100-90-20250514**	**Water**			**05/14/25**			**05/16/25**
			Mercury	7470A		05/16/25	05/20/25	
			Metals ICP-TAL	6010D		05/16/25	05/19/25	
Q2064-08	**RW8-SP303-90-20250514**	**Water**			**05/14/25**			**05/16/25**
			Mercury	7470A		05/16/25	05/20/25	
			Metals ICP-TAL	6010D		05/16/25	05/19/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q2064 **Order ID:** Q2064

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 : RW8-SP100-70-20250514									
Q2064-01	RW8-SP100-70-20250514	Water	Aluminum	87.2		5.67	40.0	50.0	ug/L
Q2064-01	RW8-SP100-70-20250514	Water	Calcium	2200		117	250	1000	ug/L
Q2064-01	RW8-SP100-70-20250514	Water	Cobalt	3.20	J	1.13	3.75	15.0	ug/L
Q2064-01	RW8-SP100-70-20250514	Water	Copper	2.73	J	2.30	8.00	10.0	ug/L
Q2064-01	RW8-SP100-70-20250514	Water	Iron	2720		11.7	40.0	50.0	ug/L
Q2064-01	RW8-SP100-70-20250514	Water	Lead	3.49	J	1.15	4.80	6.00	ug/L
Q2064-01	RW8-SP100-70-20250514	Water	Magnesium	869	J	122	250	1000	ug/L
Q2064-01	RW8-SP100-70-20250514	Water	Manganese	48.6		2.97	7.50	10.0	ug/L
Q2064-01	RW8-SP100-70-20250514	Water	Nickel	3.67	J	1.53	5.00	20.0	ug/L
Q2064-01	RW8-SP100-70-20250514	Water	Potassium	746	J	459	800	1000	ug/L
Q2064-01	RW8-SP100-70-20250514	Water	Sodium	7070		434	500	1000	ug/L
Q2064-01	RW8-SP100-70-20250514	Water	Zinc	10.1	J	8.33	7.50	20.0	ug/L
Client ID : RW8-SP303-70-20250514									
Q2064-04	RW8-SP303-70-20250514	Water	Aluminum	7.58	J	5.67	40.0	50.0	ug/L
Q2064-04	RW8-SP303-70-20250514	Water	Calcium	522	J	117	250	1000	ug/L
Q2064-04	RW8-SP303-70-20250514	Water	Copper	3.22	J	2.30	8.00	10.0	ug/L
Q2064-04	RW8-SP303-70-20250514	Water	Iron	247		11.7	40.0	50.0	ug/L
Q2064-04	RW8-SP303-70-20250514	Water	Lead	1.47	J	1.15	4.80	6.00	ug/L
Q2064-04	RW8-SP303-70-20250514	Water	Magnesium	275	J	122	250	1000	ug/L
Q2064-04	RW8-SP303-70-20250514	Water	Manganese	14.1		2.97	7.50	10.0	ug/L
Q2064-04	RW8-SP303-70-20250514	Water	Nickel	9.76	J	1.53	5.00	20.0	ug/L
Q2064-04	RW8-SP303-70-20250514	Water	Potassium	320000		459	800	1000	ug/L
Q2064-04	RW8-SP303-70-20250514	Water	Sodium	51100		434	500	1000	ug/L
Q2064-04	RW8-SP303-70-20250514	Water	Zinc	31.1		8.33	7.50	20.0	ug/L
Client ID : RW8-SP100-90-20250514									
Q2064-05	RW8-SP100-90-20250514	Water	Aluminum	32.9	J	5.67	40.0	50.0	ug/L
Q2064-05	RW8-SP100-90-20250514	Water	Calcium	2080		117	250	1000	ug/L
Q2064-05	RW8-SP100-90-20250514	Water	Cobalt	2.86	J	1.13	3.75	15.0	ug/L
Q2064-05	RW8-SP100-90-20250514	Water	Copper	23.6		2.30	8.00	10.0	ug/L
Q2064-05	RW8-SP100-90-20250514	Water	Iron	1440		11.7	40.0	50.0	ug/L
Q2064-05	RW8-SP100-90-20250514	Water	Lead	45.9		1.15	4.80	6.00	ug/L
Q2064-05	RW8-SP100-90-20250514	Water	Magnesium	796	J	122	250	1000	ug/L
Q2064-05	RW8-SP100-90-20250514	Water	Manganese	26.2		2.97	7.50	10.0	ug/L
Q2064-05	RW8-SP100-90-20250514	Water	Nickel	3.85	J	1.53	5.00	20.0	ug/L
Q2064-05	RW8-SP100-90-20250514	Water	Potassium	526	J	459	800	1000	ug/L
Q2064-05	RW8-SP100-90-20250514	Water	Sodium	5900		434	500	1000	ug/L

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

Hit Summary Sheet
SW-846

SDG No.: Q2064 **Order ID:** Q2064

Client: Tetra Tech NUS, Inc. **Project ID:** NWIRP Bethpage 112G08005-WE13

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Q2064-05	RW8-SP100-90-20250514	Water	Zinc	114		8.33	7.50	20.0	ug/L
Client ID :	**RW8-SP303-90-20250514**								
Q2064-08	RW8-SP303-90-20250514	Water	Aluminum	9.84	J	5.67	40.0	50.0	ug/L
Q2064-08	RW8-SP303-90-20250514	Water	Barium	15.2	J	7.28	12.5	50.0	ug/L
Q2064-08	RW8-SP303-90-20250514	Water	Calcium	572	J	117	250	1000	ug/L
Q2064-08	RW8-SP303-90-20250514	Water	Iron	281		11.7	40.0	50.0	ug/L
Q2064-08	RW8-SP303-90-20250514	Water	Magnesium	284	J	122	250	1000	ug/L
Q2064-08	RW8-SP303-90-20250514	Water	Manganese	23.9		2.97	7.50	10.0	ug/L
Q2064-08	RW8-SP303-90-20250514	Water	Nickel	18.7	J	1.53	5.00	20.0	ug/L
Q2064-08	RW8-SP303-90-20250514	Water	Potassium	320000		459	800	1000	ug/L
Q2064-08	RW8-SP303-90-20250514	Water	Sodium	51400		434	500	1000	ug/L
Q2064-08	RW8-SP303-90-20250514	Water	Zinc	26.4		8.33	7.50	20.0	ug/L

SAMPLE DATA

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP100-70-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-01	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	87.2		1	5.67	40.0	50.0	ug/L	05/16/25 10:30	05/19/25 18:52	6010D	SW3010
7440-36-0	Antimony	6.25	U	1	3.38	6.25	25.0	ug/L	05/16/25 10:30	05/19/25 18:52	6010D	SW3010
7440-38-2	Arsenic	7.50	U	1	2.56	7.50	10.0	ug/L	05/16/25 10:30	05/19/25 18:52	6010D	SW3010
7440-39-3	Barium	12.5	U	1	7.28	12.5	50.0	ug/L	05/16/25 10:30	05/19/25 18:52	6010D	SW3010
7440-41-7	Beryllium	0.75	U	1	0.28	0.75	3.00	ug/L	05/16/25 10:30	05/19/25 18:52	6010D	SW3010
7440-43-9	Cadmium	0.75	U	1	0.25	0.75	3.00	ug/L	05/16/25 10:30	05/19/25 18:52	6010D	SW3010
7440-70-2	Calcium	2200		1	117	250	1000	ug/L	05/16/25 10:30	05/19/25 18:52	6010D	SW3010
7440-47-3	Chromium	2.50	U	1	1.06	2.50	5.00	ug/L	05/16/25 10:30	05/19/25 18:52	6010D	SW3010
7440-48-4	Cobalt	3.20	J	1	1.13	3.75	15.0	ug/L	05/16/25 10:30	05/19/25 18:52	6010D	SW3010
7440-50-8	Copper	2.73	J	1	2.30	8.00	10.0	ug/L	05/16/25 10:30	05/19/25 18:52	6010D	SW3010
7439-89-6	Iron	2720	N	1	11.7	40.0	50.0	ug/L	05/16/25 10:30	05/19/25 18:52	6010D	SW3010
7439-92-1	Lead	3.49	J	1	1.15	4.80	6.00	ug/L	05/16/25 10:30	05/19/25 18:52	6010D	SW3010
7439-95-4	Magnesium	869	J	1	122	250	1000	ug/L	05/16/25 10:30	05/19/25 18:52	6010D	SW3010
7439-96-5	Manganese	48.6		1	2.97	7.50	10.0	ug/L	05/16/25 10:30	05/19/25 18:52	6010D	SW3010
7439-97-6	Mercury	0.16	UN	1	0.076	0.16	0.20	ug/L	05/16/25 14:20	05/20/25 11:13	7470A	
7440-02-0	Nickel	3.67	J	1	1.53	5.00	20.0	ug/L	05/16/25 10:30	05/19/25 18:52	6010D	SW3010
7440-09-7	Potassium	746	J	1	459	800	1000	ug/L	05/16/25 10:30	05/19/25 18:52	6010D	SW3010
7782-49-2	Selenium	8.00	U	1	4.82	8.00	10.0	ug/L	05/16/25 10:30	05/19/25 18:52	6010D	SW3010
7440-22-4	Silver	2.50	UN	1	0.81	2.50	5.00	ug/L	05/16/25 10:30	05/19/25 18:52	6010D	SW3010
7440-23-5	Sodium	7070		1	434	500	1000	ug/L	05/16/25 10:30	05/19/25 18:52	6010D	SW3010
7440-28-0	Thallium	10.0	U	1	2.19	10.0	20.0	ug/L	05/16/25 10:30	05/19/25 18:52	6010D	SW3010
7440-62-2	Vanadium	10.0	U	1	3.13	10.0	20.0	ug/L	05/16/25 10:30	05/19/25 18:52	6010D	SW3010
7440-66-6	Zinc	10.1	J	1	8.33	7.50	20.0	ug/L	05/16/25 10:30	05/19/25 18:52	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP303-70-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-04	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	7.58	J	1	5.67	40.0	50.0	ug/L	05/16/25 10:30	05/19/25 18:56	6010D	SW3010
7440-36-0	Antimony	6.25	U	1	3.38	6.25	25.0	ug/L	05/16/25 10:30	05/19/25 18:56	6010D	SW3010
7440-38-2	Arsenic	7.50	U	1	2.56	7.50	10.0	ug/L	05/16/25 10:30	05/19/25 18:56	6010D	SW3010
7440-39-3	Barium	12.5	U	1	7.28	12.5	50.0	ug/L	05/16/25 10:30	05/19/25 18:56	6010D	SW3010
7440-41-7	Beryllium	0.75	U	1	0.28	0.75	3.00	ug/L	05/16/25 10:30	05/19/25 18:56	6010D	SW3010
7440-43-9	Cadmium	0.75	U	1	0.25	0.75	3.00	ug/L	05/16/25 10:30	05/19/25 18:56	6010D	SW3010
7440-70-2	Calcium	522	J	1	117	250	1000	ug/L	05/16/25 10:30	05/19/25 18:56	6010D	SW3010
7440-47-3	Chromium	2.50	U	1	1.06	2.50	5.00	ug/L	05/16/25 10:30	05/19/25 18:56	6010D	SW3010
7440-48-4	Cobalt	3.75	U	1	1.13	3.75	15.0	ug/L	05/16/25 10:30	05/19/25 18:56	6010D	SW3010
7440-50-8	Copper	3.22	J	1	2.30	8.00	10.0	ug/L	05/16/25 10:30	05/19/25 18:56	6010D	SW3010
7439-89-6	Iron	247	N	1	11.7	40.0	50.0	ug/L	05/16/25 10:30	05/19/25 18:56	6010D	SW3010
7439-92-1	Lead	1.47	J	1	1.15	4.80	6.00	ug/L	05/16/25 10:30	05/19/25 18:56	6010D	SW3010
7439-95-4	Magnesium	275	J	1	122	250	1000	ug/L	05/16/25 10:30	05/19/25 18:56	6010D	SW3010
7439-96-5	Manganese	14.1		1	2.97	7.50	10.0	ug/L	05/16/25 10:30	05/19/25 18:56	6010D	SW3010
7439-97-6	Mercury	0.16	UN	1	0.076	0.16	0.20	ug/L	05/16/25 14:20	05/20/25 11:23	7470A	
7440-02-0	Nickel	9.76	J	1	1.53	5.00	20.0	ug/L	05/16/25 10:30	05/19/25 18:56	6010D	SW3010
7440-09-7	Potassium	320000		1	459	800	1000	ug/L	05/16/25 10:30	05/19/25 18:56	6010D	SW3010
7782-49-2	Selenium	8.00	U	1	4.82	8.00	10.0	ug/L	05/16/25 10:30	05/19/25 18:56	6010D	SW3010
7440-22-4	Silver	2.50	UN	1	0.81	2.50	5.00	ug/L	05/16/25 10:30	05/19/25 18:56	6010D	SW3010
7440-23-5	Sodium	51100		1	434	500	1000	ug/L	05/16/25 10:30	05/19/25 18:56	6010D	SW3010
7440-28-0	Thallium	10.0	U	1	2.19	10.0	20.0	ug/L	05/16/25 10:30	05/19/25 18:56	6010D	SW3010
7440-62-2	Vanadium	10.0	U	1	3.13	10.0	20.0	ug/L	05/16/25 10:30	05/19/25 18:56	6010D	SW3010
7440-66-6	Zinc	31.1		1	8.33	7.50	20.0	ug/L	05/16/25 10:30	05/19/25 18:56	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP100-90-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-05	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	32.9	J	1	5.67	40.0	50.0	ug/L	05/16/25 10:30	05/19/25 19:01	6010D	SW3010
7440-36-0	Antimony	6.25	U	1	3.38	6.25	25.0	ug/L	05/16/25 10:30	05/19/25 19:01	6010D	SW3010
7440-38-2	Arsenic	7.50	U	1	2.56	7.50	10.0	ug/L	05/16/25 10:30	05/19/25 19:01	6010D	SW3010
7440-39-3	Barium	12.5	U	1	7.28	12.5	50.0	ug/L	05/16/25 10:30	05/19/25 19:01	6010D	SW3010
7440-41-7	Beryllium	0.75	U	1	0.28	0.75	3.00	ug/L	05/16/25 10:30	05/19/25 19:01	6010D	SW3010
7440-43-9	Cadmium	0.75	U	1	0.25	0.75	3.00	ug/L	05/16/25 10:30	05/19/25 19:01	6010D	SW3010
7440-70-2	Calcium	2080		1	117	250	1000	ug/L	05/16/25 10:30	05/19/25 19:01	6010D	SW3010
7440-47-3	Chromium	2.50	U	1	1.06	2.50	5.00	ug/L	05/16/25 10:30	05/19/25 19:01	6010D	SW3010
7440-48-4	Cobalt	2.86	J	1	1.13	3.75	15.0	ug/L	05/16/25 10:30	05/19/25 19:01	6010D	SW3010
7440-50-8	Copper	23.6		1	2.30	8.00	10.0	ug/L	05/16/25 10:30	05/19/25 19:01	6010D	SW3010
7439-89-6	Iron	1440	N	1	11.7	40.0	50.0	ug/L	05/16/25 10:30	05/19/25 19:01	6010D	SW3010
7439-92-1	Lead	45.9		1	1.15	4.80	6.00	ug/L	05/16/25 10:30	05/19/25 19:01	6010D	SW3010
7439-95-4	Magnesium	796	J	1	122	250	1000	ug/L	05/16/25 10:30	05/19/25 19:01	6010D	SW3010
7439-96-5	Manganese	26.2		1	2.97	7.50	10.0	ug/L	05/16/25 10:30	05/19/25 19:01	6010D	SW3010
7439-97-6	Mercury	0.16	UN	1	0.076	0.16	0.20	ug/L	05/16/25 14:20	05/20/25 11:25	7470A	
7440-02-0	Nickel	3.85	J	1	1.53	5.00	20.0	ug/L	05/16/25 10:30	05/19/25 19:01	6010D	SW3010
7440-09-7	Potassium	526	J	1	459	800	1000	ug/L	05/16/25 10:30	05/19/25 19:01	6010D	SW3010
7782-49-2	Selenium	8.00	U	1	4.82	8.00	10.0	ug/L	05/16/25 10:30	05/19/25 19:01	6010D	SW3010
7440-22-4	Silver	2.50	UN	1	0.81	2.50	5.00	ug/L	05/16/25 10:30	05/19/25 19:01	6010D	SW3010
7440-23-5	Sodium	5900		1	434	500	1000	ug/L	05/16/25 10:30	05/19/25 19:01	6010D	SW3010
7440-28-0	Thallium	10.0	U	1	2.19	10.0	20.0	ug/L	05/16/25 10:30	05/19/25 19:01	6010D	SW3010
7440-62-2	Vanadium	10.0	U	1	3.13	10.0	20.0	ug/L	05/16/25 10:30	05/19/25 19:01	6010D	SW3010
7440-66-6	Zinc	114		1	8.33	7.50	20.0	ug/L	05/16/25 10:30	05/19/25 19:01	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	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

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/14/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/16/25
Client Sample ID:	RW8-SP303-90-20250514	SDG No.:	Q2064
Lab Sample ID:	Q2064-08	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	9.84	J	1	5.67	40.0	50.0	ug/L	05/16/25 10:30	05/19/25 19:05	6010D	SW3010
7440-36-0	Antimony	6.25	U	1	3.38	6.25	25.0	ug/L	05/16/25 10:30	05/19/25 19:05	6010D	SW3010
7440-38-2	Arsenic	7.50	U	1	2.56	7.50	10.0	ug/L	05/16/25 10:30	05/19/25 19:05	6010D	SW3010
7440-39-3	Barium	15.2	J	1	7.28	12.5	50.0	ug/L	05/16/25 10:30	05/19/25 19:05	6010D	SW3010
7440-41-7	Beryllium	0.75	U	1	0.28	0.75	3.00	ug/L	05/16/25 10:30	05/19/25 19:05	6010D	SW3010
7440-43-9	Cadmium	0.75	U	1	0.25	0.75	3.00	ug/L	05/16/25 10:30	05/19/25 19:05	6010D	SW3010
7440-70-2	Calcium	572	J	1	117	250	1000	ug/L	05/16/25 10:30	05/19/25 19:05	6010D	SW3010
7440-47-3	Chromium	2.50	U	1	1.06	2.50	5.00	ug/L	05/16/25 10:30	05/19/25 19:05	6010D	SW3010
7440-48-4	Cobalt	3.75	U	1	1.13	3.75	15.0	ug/L	05/16/25 10:30	05/19/25 19:05	6010D	SW3010
7440-50-8	Copper	8.00	U	1	2.30	8.00	10.0	ug/L	05/16/25 10:30	05/19/25 19:05	6010D	SW3010
7439-89-6	Iron	281	N	1	11.7	40.0	50.0	ug/L	05/16/25 10:30	05/19/25 19:05	6010D	SW3010
7439-92-1	Lead	4.80	U	1	1.15	4.80	6.00	ug/L	05/16/25 10:30	05/19/25 19:05	6010D	SW3010
7439-95-4	Magnesium	284	J	1	122	250	1000	ug/L	05/16/25 10:30	05/19/25 19:05	6010D	SW3010
7439-96-5	Manganese	23.9		1	2.97	7.50	10.0	ug/L	05/16/25 10:30	05/19/25 19:05	6010D	SW3010
7439-97-6	Mercury	0.16	UN	1	0.076	0.16	0.20	ug/L	05/16/25 14:20	05/20/25 11:27	7470A	
7440-02-0	Nickel	18.7	J	1	1.53	5.00	20.0	ug/L	05/16/25 10:30	05/19/25 19:05	6010D	SW3010
7440-09-7	Potassium	320000		1	459	800	1000	ug/L	05/16/25 10:30	05/19/25 19:05	6010D	SW3010
7782-49-2	Selenium	8.00	U	1	4.82	8.00	10.0	ug/L	05/16/25 10:30	05/19/25 19:05	6010D	SW3010
7440-22-4	Silver	2.50	UN	1	0.81	2.50	5.00	ug/L	05/16/25 10:30	05/19/25 19:05	6010D	SW3010
7440-23-5	Sodium	51400		1	434	500	1000	ug/L	05/16/25 10:30	05/19/25 19:05	6010D	SW3010
7440-28-0	Thallium	10.0	U	1	2.19	10.0	20.0	ug/L	05/16/25 10:30	05/19/25 19:05	6010D	SW3010
7440-62-2	Vanadium	10.0	U	1	3.13	10.0	20.0	ug/L	05/16/25 10:30	05/19/25 19:05	6010D	SW3010
7440-66-6	Zinc	26.4		1	8.33	7.50	20.0	ug/L	05/16/25 10:30	05/19/25 19:05	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	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

METAL CALIBRATION DATA

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2064

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

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
ICV11	Mercury	4.19	4.0	105	90 - 110	CV	05/20/2025	09:36	LB135832

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2064

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

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
CCV40	Mercury	4.95	5.0	99	90 - 110	CV	05/20/2025	09:43	LB135832
CCV41	Mercury	4.68	5.0	94	90 - 110	CV	05/20/2025	10:13	LB135832
CCV42	Mercury	4.92	5.0	98	90 - 110	CV	05/20/2025	10:42	LB135832
CCV43	Mercury	5.34	5.0	107	90 - 110	CV	05/20/2025	11:09	LB135832
CCV44	Mercury	4.83	5.0	97	90 - 110	CV	05/20/2025	11:36	LB135832
CCV45	Mercury	4.84	5.0	97	90 - 110	CV	05/20/2025	11:55	LB135832

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2064

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

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	2510	2500	100	90 - 110	P	05/19/2025	12:28	LB135823
	Antimony	1030	1000	102	90 - 110	P	05/19/2025	12:28	LB135823
	Arsenic	992	1000	99	90 - 110	P	05/19/2025	12:28	LB135823
	Barium	493	520	95	90 - 110	P	05/19/2025	12:28	LB135823
	Beryllium	501	510	98	90 - 110	P	05/19/2025	12:28	LB135823
	Cadmium	508	510	100	90 - 110	P	05/19/2025	12:28	LB135823
	Calcium	9850	10000	98	90 - 110	P	05/19/2025	12:28	LB135823
	Chromium	519	520	100	90 - 110	P	05/19/2025	12:28	LB135823
	Cobalt	503	520	97	90 - 110	P	05/19/2025	12:28	LB135823
	Copper	515	510	101	90 - 110	P	05/19/2025	12:28	LB135823
	Iron	9600	10000	96	90 - 110	P	05/19/2025	12:28	LB135823
	Lead	998	1000	100	90 - 110	P	05/19/2025	12:28	LB135823
	Magnesium	5770	6000	96	90 - 110	P	05/19/2025	12:28	LB135823
	Manganese	511	520	98	90 - 110	P	05/19/2025	12:28	LB135823
	Nickel	504	530	95	90 - 110	P	05/19/2025	12:28	LB135823
	Potassium	9360	9900	95	90 - 110	P	05/19/2025	12:28	LB135823
	Selenium	1010	1000	101	90 - 110	P	05/19/2025	12:28	LB135823
	Silver	232	250	93	90 - 110	P	05/19/2025	12:28	LB135823
	Sodium	9970	10000	100	90 - 110	P	05/19/2025	12:28	LB135823
	Thallium	1030	1000	103	90 - 110	P	05/19/2025	12:28	LB135823
	Vanadium	497	500	100	90 - 110	P	05/19/2025	12:28	LB135823
	Zinc	1020	1000	102	90 - 110	P	05/19/2025	12:28	LB135823

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

Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2064

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

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	106	100	106	80 - 120	P	05/19/2025	12:38	LB135823
	Antimony	54.4	50.0	109	80 - 120	P	05/19/2025	12:38	LB135823
	Arsenic	18.1	20.0	91	80 - 120	P	05/19/2025	12:38	LB135823
	Barium	95.7	100	96	80 - 120	P	05/19/2025	12:38	LB135823
	Beryllium	6.32	6.0	105	80 - 120	P	05/19/2025	12:38	LB135823
	Cadmium	6.31	6.0	105	80 - 120	P	05/19/2025	12:38	LB135823
	Calcium	2040	2000	102	80 - 120	P	05/19/2025	12:38	LB135823
	Chromium	9.85	10.0	98	80 - 120	P	05/19/2025	12:38	LB135823
	Cobalt	30.1	30.0	100	80 - 120	P	05/19/2025	12:38	LB135823
	Copper	22.6	20.0	113	80 - 120	P	05/19/2025	12:38	LB135823
	Iron	101	100	101	80 - 120	P	05/19/2025	12:38	LB135823
	Lead	11.2	12.0	93	80 - 120	P	05/19/2025	12:38	LB135823
	Magnesium	2130	2000	106	80 - 120	P	05/19/2025	12:38	LB135823
	Manganese	21.6	20.0	108	80 - 120	P	05/19/2025	12:38	LB135823
	Nickel	40.4	40.0	101	80 - 120	P	05/19/2025	12:38	LB135823
	Potassium	1880	2000	94	80 - 120	P	05/19/2025	12:38	LB135823
	Selenium	22.2	20.0	111	80 - 120	P	05/19/2025	12:38	LB135823
	Silver	10.5	10.0	105	80 - 120	P	05/19/2025	12:38	LB135823
	Sodium	1840	2000	92	80 - 120	P	05/19/2025	12:38	LB135823
	Thallium	44.4	40.0	111	80 - 120	P	05/19/2025	12:38	LB135823
	Vanadium	41.2	40.0	103	80 - 120	P	05/19/2025	12:38	LB135823
	Zinc	41.7	40.0	104	80 - 120	P	05/19/2025	12:38	LB135823

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

Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2064

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

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	10300	10000	104	90 - 110	P	05/19/2025	13:15	LB135823
	Antimony	5120	5000	102	90 - 110	P	05/19/2025	13:15	LB135823
	Arsenic	5120	5000	102	90 - 110	P	05/19/2025	13:15	LB135823
	Barium	10100	10000	101	90 - 110	P	05/19/2025	13:15	LB135823
	Beryllium	269	250	107	90 - 110	P	05/19/2025	13:15	LB135823
	Cadmium	2540	2500	102	90 - 110	P	05/19/2025	13:15	LB135823
	Calcium	25400	25000	102	90 - 110	P	05/19/2025	13:15	LB135823
	Chromium	1020	1000	102	90 - 110	P	05/19/2025	13:15	LB135823
	Cobalt	2550	2500	102	90 - 110	P	05/19/2025	13:15	LB135823
	Copper	1290	1250	104	90 - 110	P	05/19/2025	13:15	LB135823
	Iron	4980	5000	100	90 - 110	P	05/19/2025	13:15	LB135823
	Lead	5090	5000	102	90 - 110	P	05/19/2025	13:15	LB135823
	Magnesium	25300	25000	101	90 - 110	P	05/19/2025	13:15	LB135823
	Manganese	2580	2500	103	90 - 110	P	05/19/2025	13:15	LB135823
	Nickel	2550	2500	102	90 - 110	P	05/19/2025	13:15	LB135823
	Potassium	24900	25000	99	90 - 110	P	05/19/2025	13:15	LB135823
	Selenium	5180	5000	104	90 - 110	P	05/19/2025	13:15	LB135823
	Silver	1280	1250	102	90 - 110	P	05/19/2025	13:15	LB135823
	Sodium	25000	25000	100	90 - 110	P	05/19/2025	13:15	LB135823
	Thallium	5220	5000	104	90 - 110	P	05/19/2025	13:15	LB135823
	Vanadium	2540	2500	101	90 - 110	P	05/19/2025	13:15	LB135823
	Zinc	2600	2500	104	90 - 110	P	05/19/2025	13:15	LB135823
CCV02	Aluminum	10200	10000	102	90 - 110	P	05/19/2025	14:13	LB135823
	Antimony	5060	5000	101	90 - 110	P	05/19/2025	14:13	LB135823
	Arsenic	5060	5000	101	90 - 110	P	05/19/2025	14:13	LB135823
	Barium	10200	10000	102	90 - 110	P	05/19/2025	14:13	LB135823
	Beryllium	257	250	103	90 - 110	P	05/19/2025	14:13	LB135823
	Cadmium	2540	2500	101	90 - 110	P	05/19/2025	14:13	LB135823
	Calcium	25300	25000	101	90 - 110	P	05/19/2025	14:13	LB135823
	Chromium	1020	1000	102	90 - 110	P	05/19/2025	14:13	LB135823
	Cobalt	2540	2500	102	90 - 110	P	05/19/2025	14:13	LB135823
	Copper	1280	1250	102	90 - 110	P	05/19/2025	14:13	LB135823
	Iron	5170	5000	103	90 - 110	P	05/19/2025	14:13	LB135823
	Lead	5070	5000	101	90 - 110	P	05/19/2025	14:13	LB135823

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

Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2064

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

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	25100	25000	101	90 - 110	P	05/19/2025	14:13	LB135823
	Manganese	2550	2500	102	90 - 110	P	05/19/2025	14:13	LB135823
	Nickel	2540	2500	102	90 - 110	P	05/19/2025	14:13	LB135823
	Potassium	25800	25000	103	90 - 110	P	05/19/2025	14:13	LB135823
	Selenium	5100	5000	102	90 - 110	P	05/19/2025	14:13	LB135823
	Silver	1280	1250	102	90 - 110	P	05/19/2025	14:13	LB135823
	Sodium	26000	25000	104	90 - 110	P	05/19/2025	14:13	LB135823
	Thallium	5210	5000	104	90 - 110	P	05/19/2025	14:13	LB135823
	Vanadium	2540	2500	102	90 - 110	P	05/19/2025	14:13	LB135823
	Zinc	2570	2500	103	90 - 110	P	05/19/2025	14:13	LB135823
CCV03	Aluminum	9860	10000	99	90 - 110	P	05/19/2025	15:14	LB135823
	Antimony	4930	5000	99	90 - 110	P	05/19/2025	15:14	LB135823
	Arsenic	4900	5000	98	90 - 110	P	05/19/2025	15:14	LB135823
	Barium	9580	10000	96	90 - 110	P	05/19/2025	15:14	LB135823
	Beryllium	255	250	102	90 - 110	P	05/19/2025	15:14	LB135823
	Cadmium	2430	2500	97	90 - 110	P	05/19/2025	15:14	LB135823
	Calcium	24200	25000	97	90 - 110	P	05/19/2025	15:14	LB135823
	Chromium	982	1000	98	90 - 110	P	05/19/2025	15:14	LB135823
	Cobalt	2440	2500	98	90 - 110	P	05/19/2025	15:14	LB135823
	Copper	1240	1250	99	90 - 110	P	05/19/2025	15:14	LB135823
	Iron	4730	5000	94	90 - 110	P	05/19/2025	15:14	LB135823
	Lead	4880	5000	98	90 - 110	P	05/19/2025	15:14	LB135823
	Magnesium	24400	25000	98	90 - 110	P	05/19/2025	15:14	LB135823
	Manganese	2440	2500	98	90 - 110	P	05/19/2025	15:14	LB135823
	Nickel	2440	2500	98	90 - 110	P	05/19/2025	15:14	LB135823
	Potassium	23700	25000	95	90 - 110	P	05/19/2025	15:14	LB135823
	Selenium	4960	5000	99	90 - 110	P	05/19/2025	15:14	LB135823
	Silver	1230	1250	98	90 - 110	P	05/19/2025	15:14	LB135823
	Sodium	23600	25000	94	90 - 110	P	05/19/2025	15:14	LB135823
	Thallium	4950	5000	99	90 - 110	P	05/19/2025	15:14	LB135823
	Vanadium	2430	2500	97	90 - 110	P	05/19/2025	15:14	LB135823
	Zinc	2480	2500	99	90 - 110	P	05/19/2025	15:14	LB135823
CCV04	Aluminum	9920	10000	99	90 - 110	P	05/19/2025	16:03	LB135823
	Antimony	4960	5000	99	90 - 110	P	05/19/2025	16:03	LB135823

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

Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2064

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	4940	5000	99	90 - 110	P	05/19/2025	16:03	LB135823
	Barium	9750	10000	98	90 - 110	P	05/19/2025	16:03	LB135823
	Beryllium	252	250	101	90 - 110	P	05/19/2025	16:03	LB135823
	Cadmium	2450	2500	98	90 - 110	P	05/19/2025	16:03	LB135823
	Calcium	24300	25000	97	90 - 110	P	05/19/2025	16:03	LB135823
	Chromium	989	1000	99	90 - 110	P	05/19/2025	16:03	LB135823
	Cobalt	2460	2500	98	90 - 110	P	05/19/2025	16:03	LB135823
	Copper	1250	1250	100	90 - 110	P	05/19/2025	16:03	LB135823
	Iron	4970	5000	99	90 - 110	P	05/19/2025	16:03	LB135823
	Lead	4880	5000	98	90 - 110	P	05/19/2025	16:03	LB135823
	Magnesium	24300	25000	97	90 - 110	P	05/19/2025	16:03	LB135823
	Manganese	2460	2500	98	90 - 110	P	05/19/2025	16:03	LB135823
	Nickel	2450	2500	98	90 - 110	P	05/19/2025	16:03	LB135823
	Potassium	25000	25000	100	90 - 110	P	05/19/2025	16:03	LB135823
	Selenium	5030	5000	101	90 - 110	P	05/19/2025	16:03	LB135823
	Silver	1250	1250	100	90 - 110	P	05/19/2025	16:03	LB135823
	Sodium	25100	25000	100	90 - 110	P	05/19/2025	16:03	LB135823
	Thallium	5180	5000	104	90 - 110	P	05/19/2025	16:03	LB135823
	Vanadium	2450	2500	98	90 - 110	P	05/19/2025	16:03	LB135823
	Zinc	2510	2500	101	90 - 110	P	05/19/2025	16:03	LB135823
CCV05	Aluminum	9910	10000	99	90 - 110	P	05/19/2025	16:47	LB135823
	Antimony	4930	5000	99	90 - 110	P	05/19/2025	16:47	LB135823
	Arsenic	4890	5000	98	90 - 110	P	05/19/2025	16:47	LB135823
	Barium	9850	10000	98	90 - 110	P	05/19/2025	16:47	LB135823
	Beryllium	258	250	103	90 - 110	P	05/19/2025	16:47	LB135823
	Cadmium	2440	2500	98	90 - 110	P	05/19/2025	16:47	LB135823
	Calcium	24300	25000	97	90 - 110	P	05/19/2025	16:47	LB135823
	Chromium	980	1000	98	90 - 110	P	05/19/2025	16:47	LB135823
	Cobalt	2450	2500	98	90 - 110	P	05/19/2025	16:47	LB135823
	Copper	1240	1250	99	90 - 110	P	05/19/2025	16:47	LB135823
	Iron	4730	5000	95	90 - 110	P	05/19/2025	16:47	LB135823
	Lead	4870	5000	97	90 - 110	P	05/19/2025	16:47	LB135823
	Magnesium	24500	25000	98	90 - 110	P	05/19/2025	16:47	LB135823
	Manganese	2480	2500	99	90 - 110	P	05/19/2025	16:47	LB135823

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

Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2064

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

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	2440	2500	98	90 - 110	P	05/19/2025	16:47	LB135823
	Potassium	23800	25000	95	90 - 110	P	05/19/2025	16:47	LB135823
	Selenium	4990	5000	100	90 - 110	P	05/19/2025	16:47	LB135823
	Silver	1220	1250	98	90 - 110	P	05/19/2025	16:47	LB135823
	Sodium	23900	25000	96	90 - 110	P	05/19/2025	16:47	LB135823
	Thallium	5190	5000	104	90 - 110	P	05/19/2025	16:47	LB135823
	Vanadium	2450	2500	98	90 - 110	P	05/19/2025	16:47	LB135823
	Zinc	2470	2500	99	90 - 110	P	05/19/2025	16:47	LB135823
CCV06	Aluminum	10200	10000	102	90 - 110	P	05/19/2025	17:35	LB135823
	Antimony	5000	5000	100	90 - 110	P	05/19/2025	17:35	LB135823
	Arsenic	4920	5000	98	90 - 110	P	05/19/2025	17:35	LB135823
	Barium	9800	10000	98	90 - 110	P	05/19/2025	17:35	LB135823
	Beryllium	260	250	104	90 - 110	P	05/19/2025	17:35	LB135823
	Cadmium	2480	2500	99	90 - 110	P	05/19/2025	17:35	LB135823
	Calcium	24800	25000	99	90 - 110	P	05/19/2025	17:35	LB135823
	Chromium	1000	1000	100	90 - 110	P	05/19/2025	17:35	LB135823
	Cobalt	2500	2500	100	90 - 110	P	05/19/2025	17:35	LB135823
	Copper	1250	1250	100	90 - 110	P	05/19/2025	17:35	LB135823
	Iron	4810	5000	96	90 - 110	P	05/19/2025	17:35	LB135823
	Lead	4940	5000	99	90 - 110	P	05/19/2025	17:35	LB135823
	Magnesium	25100	25000	100	90 - 110	P	05/19/2025	17:35	LB135823
	Manganese	2500	2500	100	90 - 110	P	05/19/2025	17:35	LB135823
	Nickel	2480	2500	99	90 - 110	P	05/19/2025	17:35	LB135823
	Potassium	24000	25000	96	90 - 110	P	05/19/2025	17:35	LB135823
	Selenium	5010	5000	100	90 - 110	P	05/19/2025	17:35	LB135823
	Silver	1240	1250	99	90 - 110	P	05/19/2025	17:35	LB135823
	Sodium	23900	25000	96	90 - 110	P	05/19/2025	17:35	LB135823
	Thallium	5240	5000	105	90 - 110	P	05/19/2025	17:35	LB135823
	Vanadium	2490	2500	100	90 - 110	P	05/19/2025	17:35	LB135823
	Zinc	2510	2500	100	90 - 110	P	05/19/2025	17:35	LB135823
CCV07	Aluminum	9790	10000	98	90 - 110	P	05/19/2025	18:21	LB135823
	Antimony	4970	5000	99	90 - 110	P	05/19/2025	18:21	LB135823
	Arsenic	4960	5000	99	90 - 110	P	05/19/2025	18:21	LB135823
	Barium	9920	10000	99	90 - 110	P	05/19/2025	18:21	LB135823

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

Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2064

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Beryllium	244	250	98	90 - 110	P	05/19/2025	18:21	LB135823
	Cadmium	2460	2500	99	90 - 110	P	05/19/2025	18:21	LB135823
	Calcium	24400	25000	97	90 - 110	P	05/19/2025	18:21	LB135823
	Chromium	987	1000	99	90 - 110	P	05/19/2025	18:21	LB135823
	Cobalt	2460	2500	98	90 - 110	P	05/19/2025	18:21	LB135823
	Copper	1250	1250	100	90 - 110	P	05/19/2025	18:21	LB135823
	Iron	5100	5000	102	90 - 110	P	05/19/2025	18:21	LB135823
	Lead	4910	5000	98	90 - 110	P	05/19/2025	18:21	LB135823
	Magnesium	24300	25000	97	90 - 110	P	05/19/2025	18:21	LB135823
	Manganese	2460	2500	98	90 - 110	P	05/19/2025	18:21	LB135823
	Nickel	2460	2500	98	90 - 110	P	05/19/2025	18:21	LB135823
	Potassium	25500	25000	102	90 - 110	P	05/19/2025	18:21	LB135823
	Selenium	5060	5000	101	90 - 110	P	05/19/2025	18:21	LB135823
	Silver	1240	1250	99	90 - 110	P	05/19/2025	18:21	LB135823
	Sodium	25400	25000	102	90 - 110	P	05/19/2025	18:21	LB135823
	Thallium	5140	5000	103	90 - 110	P	05/19/2025	18:21	LB135823
	Vanadium	2450	2500	98	90 - 110	P	05/19/2025	18:21	LB135823
	Zinc	2500	2500	100	90 - 110	P	05/19/2025	18:21	LB135823
CCV08	Aluminum	9850	10000	98	90 - 110	P	05/19/2025	19:09	LB135823
	Antimony	4980	5000	100	90 - 110	P	05/19/2025	19:09	LB135823
	Arsenic	4990	5000	100	90 - 110	P	05/19/2025	19:09	LB135823
	Barium	9660	10000	97	90 - 110	P	05/19/2025	19:09	LB135823
	Beryllium	258	250	103	90 - 110	P	05/19/2025	19:09	LB135823
	Cadmium	2470	2500	99	90 - 110	P	05/19/2025	19:09	LB135823
	Calcium	24300	25000	97	90 - 110	P	05/19/2025	19:09	LB135823
	Chromium	985	1000	98	90 - 110	P	05/19/2025	19:09	LB135823
	Cobalt	2470	2500	99	90 - 110	P	05/19/2025	19:09	LB135823
	Copper	1250	1250	100	90 - 110	P	05/19/2025	19:09	LB135823
	Iron	4840	5000	97	90 - 110	P	05/19/2025	19:09	LB135823
	Lead	4910	5000	98	90 - 110	P	05/19/2025	19:09	LB135823
	Magnesium	24400	25000	98	90 - 110	P	05/19/2025	19:09	LB135823
	Manganese	2460	2500	98	90 - 110	P	05/19/2025	19:09	LB135823
	Nickel	2470	2500	99	90 - 110	P	05/19/2025	19:09	LB135823
	Potassium	24600	25000	98	90 - 110	P	05/19/2025	19:09	LB135823

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

Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2064

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV08	Selenium	5060	5000	101	90 - 110	P	05/19/2025	19:09	LB135823
	Silver	1240	1250	99	90 - 110	P	05/19/2025	19:09	LB135823
	Sodium	24200	25000	97	90 - 110	P	05/19/2025	19:09	LB135823
	Thallium	5120	5000	102	90 - 110	P	05/19/2025	19:09	LB135823
	Vanadium	2440	2500	98	90 - 110	P	05/19/2025	19:09	LB135823
	Zinc	2510	2500	100	90 - 110	P	05/19/2025	19:09	LB135823
CCV09	Aluminum	9590	10000	96	90 - 110	P	05/19/2025	19:55	LB135823
	Antimony	4940	5000	99	90 - 110	P	05/19/2025	19:55	LB135823
	Arsenic	4930	5000	99	90 - 110	P	05/19/2025	19:55	LB135823
	Barium	9570	10000	96	90 - 110	P	05/19/2025	19:55	LB135823
	Beryllium	239	250	96	90 - 110	P	05/19/2025	19:55	LB135823
	Cadmium	2430	2500	97	90 - 110	P	05/19/2025	19:55	LB135823
	Calcium	23900	25000	95	90 - 110	P	05/19/2025	19:55	LB135823
	Chromium	998	1000	100	90 - 110	P	05/19/2025	19:55	LB135823
	Cobalt	2420	2500	97	90 - 110	P	05/19/2025	19:55	LB135823
	Copper	1230	1250	99	90 - 110	P	05/19/2025	19:55	LB135823
	Iron	5010	5000	100	90 - 110	P	05/19/2025	19:55	LB135823
	Lead	4870	5000	98	90 - 110	P	05/19/2025	19:55	LB135823
	Magnesium	23800	25000	95	90 - 110	P	05/19/2025	19:55	LB135823
	Manganese	2370	2500	95	90 - 110	P	05/19/2025	19:55	LB135823
	Nickel	2430	2500	97	90 - 110	P	05/19/2025	19:55	LB135823
	Potassium	24800	25000	99	90 - 110	P	05/19/2025	19:55	LB135823
	Selenium	4950	5000	99	90 - 110	P	05/19/2025	19:55	LB135823
	Silver	1240	1250	99	90 - 110	P	05/19/2025	19:55	LB135823
	Sodium	24500	25000	98	90 - 110	P	05/19/2025	19:55	LB135823
	Thallium	5050	5000	101	90 - 110	P	05/19/2025	19:55	LB135823
	Vanadium	2400	2500	96	90 - 110	P	05/19/2025	19:55	LB135823
	Zinc	2480	2500	99	90 - 110	P	05/19/2025	19:55	LB135823
CCV10	Aluminum	9740	10000	97	90 - 110	P	05/19/2025	20:11	LB135823
	Antimony	4930	5000	99	90 - 110	P	05/19/2025	20:11	LB135823
	Arsenic	4950	5000	99	90 - 110	P	05/19/2025	20:11	LB135823
	Barium	9450	10000	94	90 - 110	P	05/19/2025	20:11	LB135823
	Beryllium	256	250	102	90 - 110	P	05/19/2025	20:11	LB135823
	Cadmium	2440	2500	98	90 - 110	P	05/19/2025	20:11	LB135823

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2064

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV10	Calcium	24000	25000	96	90 - 110	P	05/19/2025	20:11	LB135823
	Chromium	984	1000	98	90 - 110	P	05/19/2025	20:11	LB135823
	Cobalt	2440	2500	97	90 - 110	P	05/19/2025	20:11	LB135823
	Copper	1240	1250	99	90 - 110	P	05/19/2025	20:11	LB135823
	Iron	4710	5000	94	90 - 110	P	05/19/2025	20:11	LB135823
	Lead	4880	5000	98	90 - 110	P	05/19/2025	20:11	LB135823
	Magnesium	24300	25000	97	90 - 110	P	05/19/2025	20:11	LB135823
	Manganese	2400	2500	96	90 - 110	P	05/19/2025	20:11	LB135823
	Nickel	2440	2500	98	90 - 110	P	05/19/2025	20:11	LB135823
	Potassium	23300	25000	93	90 - 110	P	05/19/2025	20:11	LB135823
	Selenium	4990	5000	100	90 - 110	P	05/19/2025	20:11	LB135823
	Silver	1220	1250	98	90 - 110	P	05/19/2025	20:11	LB135823
	Sodium	22800	25000	91	90 - 110	P	05/19/2025	20:11	LB135823
	Thallium	5050	5000	101	90 - 110	P	05/19/2025	20:11	LB135823
	Vanadium	2410	2500	97	90 - 110	P	05/19/2025	20:11	LB135823
	Zinc	2450	2500	98	90 - 110	P	05/19/2025	20:11	LB135823

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

Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2064

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

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	113	100	113	65 - 135	P	05/19/2025	12:48	LB135823
	Antimony	52.5	50.0	105	65 - 135	P	05/19/2025	12:48	LB135823
	Arsenic	19.7	20.0	99	65 - 135	P	05/19/2025	12:48	LB135823
	Barium	96.2	100	96	65 - 135	P	05/19/2025	12:48	LB135823
	Beryllium	6.10	6.0	102	65 - 135	P	05/19/2025	12:48	LB135823
	Cadmium	6.33	6.0	106	65 - 135	P	05/19/2025	12:48	LB135823
	Calcium	2050	2000	102	65 - 135	P	05/19/2025	12:48	LB135823
	Chromium	10.1	10.0	101	65 - 135	P	05/19/2025	12:48	LB135823
	Cobalt	30.0	30.0	100	65 - 135	P	05/19/2025	12:48	LB135823
	Copper	22.7	20.0	114	65 - 135	P	05/19/2025	12:48	LB135823
	Iron	102	100	102	65 - 135	P	05/19/2025	12:48	LB135823
	Lead	12.8	12.0	107	65 - 135	P	05/19/2025	12:48	LB135823
	Magnesium	2140	2000	107	65 - 135	P	05/19/2025	12:48	LB135823
	Manganese	21.4	20.0	107	65 - 135	P	05/19/2025	12:48	LB135823
	Nickel	40.0	40.0	100	65 - 135	P	05/19/2025	12:48	LB135823
	Potassium	1950	2000	98	65 - 135	P	05/19/2025	12:48	LB135823
	Selenium	23.9	20.0	119	65 - 135	P	05/19/2025	12:48	LB135823
	Silver	10.3	10.0	103	65 - 135	P	05/19/2025	12:48	LB135823
	Sodium	1890	2000	95	65 - 135	P	05/19/2025	12:48	LB135823
	Thallium	42.9	40.0	107	65 - 135	P	05/19/2025	12:48	LB135823
	Vanadium	43.2	40.0	108	65 - 135	P	05/19/2025	12:48	LB135823
	Zinc	42.3	40.0	106	65 - 135	P	05/19/2025	12:48	LB135823
CRA	Mercury	0.19	0.2	97	70 - 130	CV	05/20/2025	09:47	LB135832

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.:** Q2064

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB11	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	05/20/2025	09:38	LB135832

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.:** Q2064

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB40	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	05/20/2025	09:45	LB135832
CCB41	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	05/20/2025	10:15	LB135832
CCB42	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	05/20/2025	10:44	LB135832
CCB43	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	05/20/2025	11:11	LB135832
CCB44	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	05/20/2025	11:39	LB135832
CCB45	Mercury	0.20	+/-0.20	U	0.16	0.20	CV	05/20/2025	11:57	LB135832

Alliance TECHNICAL GROUP
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.:** Q2064

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	80.0	100	P	05/19/2025	12:44	LB135823
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	05/19/2025	12:44	LB135823
	Arsenic	20.0	+/-20.0	U	15.0	20.0	P	05/19/2025	12:44	LB135823
	Barium	100	+/-100	U	25.0	100	P	05/19/2025	12:44	LB135823
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	05/19/2025	12:44	LB135823
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	05/19/2025	12:44	LB135823
	Calcium	2000	+/-2000	U	500	2000	P	05/19/2025	12:44	LB135823
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	05/19/2025	12:44	LB135823
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	05/19/2025	12:44	LB135823
	Copper	20.0	+/-20.0	U	16.0	20.0	P	05/19/2025	12:44	LB135823
	Iron	100	+/-100	U	80.0	100	P	05/19/2025	12:44	LB135823
	Lead	12.0	+/-12.0	U	9.60	12.0	P	05/19/2025	12:44	LB135823
	Magnesium	2000	+/-2000	U	500	2000	P	05/19/2025	12:44	LB135823
	Manganese	20.0	+/-20.0	U	15.0	20.0	P	05/19/2025	12:44	LB135823
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	05/19/2025	12:44	LB135823
	Potassium	2000	+/-2000	U	1600	2000	P	05/19/2025	12:44	LB135823
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	05/19/2025	12:44	LB135823
	Silver	10.0	+/-10.0	U	5.00	10.0	P	05/19/2025	12:44	LB135823
	Sodium	2000	+/-2000	U	1000	2000	P	05/19/2025	12:44	LB135823
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	05/19/2025	12:44	LB135823
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	05/19/2025	12:44	LB135823
	Zinc	40.0	+/-40.0	U	15.0	40.0	P	05/19/2025	12:44	LB135823

Alliance TECHNICAL GROUP
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.:** Q2064

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	15.2	+/-100	J	80.0	100	P	05/19/2025	13:23	LB135823
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	05/19/2025	13:23	LB135823
	Arsenic	20.0	+/-20.0	U	15.0	20.0	P	05/19/2025	13:23	LB135823
	Barium	100	+/-100	U	25.0	100	P	05/19/2025	13:23	LB135823
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	05/19/2025	13:23	LB135823
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	05/19/2025	13:23	LB135823
	Calcium	2000	+/-2000	U	500	2000	P	05/19/2025	13:23	LB135823
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	05/19/2025	13:23	LB135823
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	05/19/2025	13:23	LB135823
	Copper	20.0	+/-20.0	U	16.0	20.0	P	05/19/2025	13:23	LB135823
	Iron	100	+/-100	U	80.0	100	P	05/19/2025	13:23	LB135823
	Lead	12.0	+/-12.0	U	9.60	12.0	P	05/19/2025	13:23	LB135823
	Magnesium	2000	+/-2000	U	500	2000	P	05/19/2025	13:23	LB135823
	Manganese	20.0	+/-20.0	U	15.0	20.0	P	05/19/2025	13:23	LB135823
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	05/19/2025	13:23	LB135823
	Potassium	2000	+/-2000	U	1600	2000	P	05/19/2025	13:23	LB135823
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	05/19/2025	13:23	LB135823
	Silver	10.0	+/-10.0	U	5.00	10.0	P	05/19/2025	13:23	LB135823
	Sodium	2000	+/-2000	U	1000	2000	P	05/19/2025	13:23	LB135823
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	05/19/2025	13:23	LB135823
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	05/19/2025	13:23	LB135823
	Zinc	40.0	+/-40.0	U	15.0	40.0	P	05/19/2025	13:23	LB135823
CCB02	Aluminum	100	+/-100	U	80.0	100	P	05/19/2025	14:24	LB135823
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	05/19/2025	14:24	LB135823
	Arsenic	20.0	+/-20.0	U	15.0	20.0	P	05/19/2025	14:24	LB135823
	Barium	100	+/-100	U	25.0	100	P	05/19/2025	14:24	LB135823
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	05/19/2025	14:24	LB135823
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	05/19/2025	14:24	LB135823
	Calcium	2000	+/-2000	U	500	2000	P	05/19/2025	14:24	LB135823
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	05/19/2025	14:24	LB135823
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	05/19/2025	14:24	LB135823
	Copper	20.0	+/-20.0	U	16.0	20.0	P	05/19/2025	14:24	LB135823
	Iron	100	+/-100	U	80.0	100	P	05/19/2025	14:24	LB135823
	Lead	12.0	+/-12.0	U	9.60	12.0	P	05/19/2025	14:24	LB135823
	Magnesium	2000	+/-2000	U	500	2000	P	05/19/2025	14:24	LB135823
	Manganese	20.0	+/-20.0	U	15.0	20.0	P	05/19/2025	14:24	LB135823
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	05/19/2025	14:24	LB135823
	Potassium	2000	+/-2000	U	1600	2000	P	05/19/2025	14:24	LB135823
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	05/19/2025	14:24	LB135823

Alliance TECHNICAL GROUP
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.:** Q2064

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	5.00	10.0	P	05/19/2025	14:24	LB135823
	Sodium	2000	+/-2000	U	1000	2000	P	05/19/2025	14:24	LB135823
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	05/19/2025	14:24	LB135823
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	05/19/2025	14:24	LB135823
	Zinc	40.0	+/-40.0	U	15.0	40.0	P	05/19/2025	14:24	LB135823
CCB03	Aluminum	100	+/-100	U	80.0	100	P	05/19/2025	15:19	LB135823
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	05/19/2025	15:19	LB135823
	Arsenic	20.0	+/-20.0	U	15.0	20.0	P	05/19/2025	15:19	LB135823
	Barium	100	+/-100	U	25.0	100	P	05/19/2025	15:19	LB135823
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	05/19/2025	15:19	LB135823
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	05/19/2025	15:19	LB135823
	Calcium	2000	+/-2000	U	500	2000	P	05/19/2025	15:19	LB135823
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	05/19/2025	15:19	LB135823
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	05/19/2025	15:19	LB135823
	Copper	20.0	+/-20.0	U	16.0	20.0	P	05/19/2025	15:19	LB135823
	Iron	100	+/-100	U	80.0	100	P	05/19/2025	15:19	LB135823
	Lead	12.0	+/-12.0	U	9.60	12.0	P	05/19/2025	15:19	LB135823
	Magnesium	2000	+/-2000	U	500	2000	P	05/19/2025	15:19	LB135823
	Manganese	20.0	+/-20.0	U	15.0	20.0	P	05/19/2025	15:19	LB135823
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	05/19/2025	15:19	LB135823
	Potassium	2000	+/-2000	U	1600	2000	P	05/19/2025	15:19	LB135823
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	05/19/2025	15:19	LB135823
	Silver	10.0	+/-10.0	U	5.00	10.0	P	05/19/2025	15:19	LB135823
	Sodium	2000	+/-2000	U	1000	2000	P	05/19/2025	15:19	LB135823
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	05/19/2025	15:19	LB135823
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	05/19/2025	15:19	LB135823
	Zinc	40.0	+/-40.0	U	15.0	40.0	P	05/19/2025	15:19	LB135823
CCB04	Aluminum	100	+/-100	U	80.0	100	P	05/19/2025	16:07	LB135823
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	05/19/2025	16:07	LB135823
	Arsenic	20.0	+/-20.0	U	15.0	20.0	P	05/19/2025	16:07	LB135823
	Barium	100	+/-100	U	25.0	100	P	05/19/2025	16:07	LB135823
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	05/19/2025	16:07	LB135823
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	05/19/2025	16:07	LB135823
	Calcium	2000	+/-2000	U	500	2000	P	05/19/2025	16:07	LB135823
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	05/19/2025	16:07	LB135823
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	05/19/2025	16:07	LB135823
	Copper	20.0	+/-20.0	U	16.0	20.0	P	05/19/2025	16:07	LB135823
	Iron	100	+/-100	U	80.0	100	P	05/19/2025	16:07	LB135823
	Lead	12.0	+/-12.0	U	9.60	12.0	P	05/19/2025	16:07	LB135823

Alliance TECHNICAL GROUP
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.:** Q2064

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	500	2000	P	05/19/2025	16:07	LB135823
	Manganese	20.0	+/-20.0	U	15.0	20.0	P	05/19/2025	16:07	LB135823
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	05/19/2025	16:07	LB135823
	Potassium	2000	+/-2000	U	1600	2000	P	05/19/2025	16:07	LB135823
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	05/19/2025	16:07	LB135823
	Silver	10.0	+/-10.0	U	5.00	10.0	P	05/19/2025	16:07	LB135823
	Sodium	2000	+/-2000	U	1000	2000	P	05/19/2025	16:07	LB135823
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	05/19/2025	16:07	LB135823
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	05/19/2025	16:07	LB135823
	Zinc	40.0	+/-40.0	U	15.0	40.0	P	05/19/2025	16:07	LB135823
CCB05	Aluminum	100	+/-100	U	80.0	100	P	05/19/2025	16:51	LB135823
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	05/19/2025	16:51	LB135823
	Arsenic	20.0	+/-20.0	U	15.0	20.0	P	05/19/2025	16:51	LB135823
	Barium	100	+/-100	U	25.0	100	P	05/19/2025	16:51	LB135823
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	05/19/2025	16:51	LB135823
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	05/19/2025	16:51	LB135823
	Calcium	2000	+/-2000	U	500	2000	P	05/19/2025	16:51	LB135823
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	05/19/2025	16:51	LB135823
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	05/19/2025	16:51	LB135823
	Copper	20.0	+/-20.0	U	16.0	20.0	P	05/19/2025	16:51	LB135823
	Iron	100	+/-100	U	80.0	100	P	05/19/2025	16:51	LB135823
	Lead	12.0	+/-12.0	U	9.60	12.0	P	05/19/2025	16:51	LB135823
	Magnesium	2000	+/-2000	U	500	2000	P	05/19/2025	16:51	LB135823
	Manganese	20.0	+/-20.0	U	15.0	20.0	P	05/19/2025	16:51	LB135823
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	05/19/2025	16:51	LB135823
	Potassium	2000	+/-2000	U	1600	2000	P	05/19/2025	16:51	LB135823
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	05/19/2025	16:51	LB135823
	Silver	10.0	+/-10.0	U	5.00	10.0	P	05/19/2025	16:51	LB135823
	Sodium	2000	+/-2000	U	1000	2000	P	05/19/2025	16:51	LB135823
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	05/19/2025	16:51	LB135823
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	05/19/2025	16:51	LB135823
	Zinc	40.0	+/-40.0	U	15.0	40.0	P	05/19/2025	16:51	LB135823
CCB06	Aluminum	100	+/-100	U	80.0	100	P	05/19/2025	17:39	LB135823
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	05/19/2025	17:39	LB135823
	Arsenic	20.0	+/-20.0	U	15.0	20.0	P	05/19/2025	17:39	LB135823
	Barium	100	+/-100	U	25.0	100	P	05/19/2025	17:39	LB135823
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	05/19/2025	17:39	LB135823
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	05/19/2025	17:39	LB135823
	Calcium	2000	+/-2000	U	500	2000	P	05/19/2025	17:39	LB135823

Alliance TECHNICAL GROUP
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.:** Q2064

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	10.0	+/-10.0	U	5.00	10.0	P	05/19/2025	17:39	LB135823
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	05/19/2025	17:39	LB135823
	Copper	20.0	+/-20.0	U	16.0	20.0	P	05/19/2025	17:39	LB135823
	Iron	100	+/-100	U	80.0	100	P	05/19/2025	17:39	LB135823
	Lead	12.0	+/-12.0	U	9.60	12.0	P	05/19/2025	17:39	LB135823
	Magnesium	2000	+/-2000	U	500	2000	P	05/19/2025	17:39	LB135823
	Manganese	20.0	+/-20.0	U	15.0	20.0	P	05/19/2025	17:39	LB135823
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	05/19/2025	17:39	LB135823
	Potassium	2000	+/-2000	U	1600	2000	P	05/19/2025	17:39	LB135823
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	05/19/2025	17:39	LB135823
	Silver	10.0	+/-10.0	U	5.00	10.0	P	05/19/2025	17:39	LB135823
	Sodium	2000	+/-2000	U	1000	2000	P	05/19/2025	17:39	LB135823
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	05/19/2025	17:39	LB135823
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	05/19/2025	17:39	LB135823
	Zinc	40.0	+/-40.0	U	15.0	40.0	P	05/19/2025	17:39	LB135823
CCB07	Aluminum	100	+/-100	U	80.0	100	P	05/19/2025	18:25	LB135823
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	05/19/2025	18:25	LB135823
	Arsenic	20.0	+/-20.0	U	15.0	20.0	P	05/19/2025	18:25	LB135823
	Barium	100	+/-100	U	25.0	100	P	05/19/2025	18:25	LB135823
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	05/19/2025	18:25	LB135823
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	05/19/2025	18:25	LB135823
	Calcium	2000	+/-2000	U	500	2000	P	05/19/2025	18:25	LB135823
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	05/19/2025	18:25	LB135823
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	05/19/2025	18:25	LB135823
	Copper	20.0	+/-20.0	U	16.0	20.0	P	05/19/2025	18:25	LB135823
	Iron	100	+/-100	U	80.0	100	P	05/19/2025	18:25	LB135823
	Lead	12.0	+/-12.0	U	9.60	12.0	P	05/19/2025	18:25	LB135823
	Magnesium	2000	+/-2000	U	500	2000	P	05/19/2025	18:25	LB135823
	Manganese	20.0	+/-20.0	U	15.0	20.0	P	05/19/2025	18:25	LB135823
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	05/19/2025	18:25	LB135823
	Potassium	2000	+/-2000	U	1600	2000	P	05/19/2025	18:25	LB135823
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	05/19/2025	18:25	LB135823
	Silver	10.0	+/-10.0	U	5.00	10.0	P	05/19/2025	18:25	LB135823
	Sodium	2000	+/-2000	U	1000	2000	P	05/19/2025	18:25	LB135823
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	05/19/2025	18:25	LB135823
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	05/19/2025	18:25	LB135823
	Zinc	40.0	+/-40.0	U	15.0	40.0	P	05/19/2025	18:25	LB135823
CCB08	Aluminum	100	+/-100	U	80.0	100	P	05/19/2025	19:14	LB135823
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	05/19/2025	19:14	LB135823

Alliance TECHNICAL GROUP
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.:** Q2064

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	20.0	+/-20.0	U	15.0	20.0	P	05/19/2025	19:14	LB135823
	Barium	100	+/-100	U	25.0	100	P	05/19/2025	19:14	LB135823
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	05/19/2025	19:14	LB135823
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	05/19/2025	19:14	LB135823
	Calcium	2000	+/-2000	U	500	2000	P	05/19/2025	19:14	LB135823
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	05/19/2025	19:14	LB135823
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	05/19/2025	19:14	LB135823
	Copper	20.0	+/-20.0	U	16.0	20.0	P	05/19/2025	19:14	LB135823
	Iron	100	+/-100	U	80.0	100	P	05/19/2025	19:14	LB135823
	Lead	12.0	+/-12.0	U	9.60	12.0	P	05/19/2025	19:14	LB135823
	Magnesium	2000	+/-2000	U	500	2000	P	05/19/2025	19:14	LB135823
	Manganese	20.0	+/-20.0	U	15.0	20.0	P	05/19/2025	19:14	LB135823
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	05/19/2025	19:14	LB135823
	Potassium	2000	+/-2000	U	1600	2000	P	05/19/2025	19:14	LB135823
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	05/19/2025	19:14	LB135823
	Silver	10.0	+/-10.0	U	5.00	10.0	P	05/19/2025	19:14	LB135823
	Sodium	2000	+/-2000	U	1000	2000	P	05/19/2025	19:14	LB135823
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	05/19/2025	19:14	LB135823
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	05/19/2025	19:14	LB135823
	Zinc	40.0	+/-40.0	U	15.0	40.0	P	05/19/2025	19:14	LB135823
CCB09	Aluminum	100	+/-100	U	80.0	100	P	05/19/2025	19:59	LB135823
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	05/19/2025	19:59	LB135823
	Arsenic	20.0	+/-20.0	U	15.0	20.0	P	05/19/2025	19:59	LB135823
	Barium	100	+/-100	U	25.0	100	P	05/19/2025	19:59	LB135823
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	05/19/2025	19:59	LB135823
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	05/19/2025	19:59	LB135823
	Calcium	2000	+/-2000	U	500	2000	P	05/19/2025	19:59	LB135823
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	05/19/2025	19:59	LB135823
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	05/19/2025	19:59	LB135823
	Copper	20.0	+/-20.0	U	16.0	20.0	P	05/19/2025	19:59	LB135823
	Iron	100	+/-100	U	80.0	100	P	05/19/2025	19:59	LB135823
	Lead	12.0	+/-12.0	U	9.60	12.0	P	05/19/2025	19:59	LB135823
	Magnesium	2000	+/-2000	U	500	2000	P	05/19/2025	19:59	LB135823
	Manganese	20.0	+/-20.0	U	15.0	20.0	P	05/19/2025	19:59	LB135823
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	05/19/2025	19:59	LB135823
	Potassium	2000	+/-2000	U	1600	2000	P	05/19/2025	19:59	LB135823
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	05/19/2025	19:59	LB135823
	Silver	10.0	+/-10.0	U	5.00	10.0	P	05/19/2025	19:59	LB135823
	Sodium	2000	+/-2000	U	1000	2000	P	05/19/2025	19:59	LB135823

Alliance TECHNICAL GROUP
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.:** Q2064

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB09	Thallium	40.0	+/-40.0	U	20.0	40.0	P	05/19/2025	19:59	LB135823
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	05/19/2025	19:59	LB135823
	Zinc	40.0	+/-40.0	U	15.0	40.0	P	05/19/2025	19:59	LB135823
CCB10	Aluminum	100	+/-100	U	80.0	100	P	05/19/2025	20:15	LB135823
	Antimony	50.0	+/-50.0	U	12.5	50.0	P	05/19/2025	20:15	LB135823
	Arsenic	20.0	+/-20.0	U	15.0	20.0	P	05/19/2025	20:15	LB135823
	Barium	100	+/-100	U	25.0	100	P	05/19/2025	20:15	LB135823
	Beryllium	6.00	+/-6.00	U	1.50	6.00	P	05/19/2025	20:15	LB135823
	Cadmium	6.00	+/-6.00	U	1.50	6.00	P	05/19/2025	20:15	LB135823
	Calcium	2000	+/-2000	U	500	2000	P	05/19/2025	20:15	LB135823
	Chromium	10.0	+/-10.0	U	5.00	10.0	P	05/19/2025	20:15	LB135823
	Cobalt	30.0	+/-30.0	U	7.50	30.0	P	05/19/2025	20:15	LB135823
	Copper	20.0	+/-20.0	U	16.0	20.0	P	05/19/2025	20:15	LB135823
	Iron	100	+/-100	U	80.0	100	P	05/19/2025	20:15	LB135823
	Lead	12.0	+/-12.0	U	9.60	12.0	P	05/19/2025	20:15	LB135823
	Magnesium	2000	+/-2000	U	500	2000	P	05/19/2025	20:15	LB135823
	Manganese	20.0	+/-20.0	U	15.0	20.0	P	05/19/2025	20:15	LB135823
	Nickel	40.0	+/-40.0	U	10.0	40.0	P	05/19/2025	20:15	LB135823
	Potassium	2000	+/-2000	U	1600	2000	P	05/19/2025	20:15	LB135823
	Selenium	20.0	+/-20.0	U	16.0	20.0	P	05/19/2025	20:15	LB135823
	Silver	10.0	+/-10.0	U	5.00	10.0	P	05/19/2025	20:15	LB135823
	Sodium	2000	+/-2000	U	1000	2000	P	05/19/2025	20:15	LB135823
	Thallium	40.0	+/-40.0	U	20.0	40.0	P	05/19/2025	20:15	LB135823
	Vanadium	40.0	+/-40.0	U	20.0	40.0	P	05/19/2025	20:15	LB135823
	Zinc	40.0	+/-40.0	U	15.0	40.0	P	05/19/2025	20:15	LB135823

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

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2064

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168071BL		**WATER**		**Batch Number:**		**PB168071**		**Prep Date:**	**05/16/2025**	
	Mercury	0.20	<0.20	U	0.16	0.20	CV	05/20/2025	11:02	LB135832

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

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2064

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168036BL		**WATER**		**Batch Number:**		**PB168036**		**Prep Date:**	**05/16/2025**	
	Aluminum	50.0	<50.0	U	40.0	50.0	P	05/19/2025	15:09	LB135823
	Antimony	25.0	<25.0	U	6.25	25.0	P	05/19/2025	15:09	LB135823
	Arsenic	10.0	<10.0	U	7.50	10.0	P	05/19/2025	15:09	LB135823
	Barium	50.0	<50.0	U	12.5	50.0	P	05/19/2025	15:09	LB135823
	Beryllium	3.00	<3.00	U	0.75	3.00	P	05/19/2025	15:09	LB135823
	Cadmium	3.00	<3.00	U	0.75	3.00	P	05/19/2025	15:09	LB135823
	Calcium	1000	<1000	U	250	1000	P	05/19/2025	15:09	LB135823
	Chromium	5.00	<5.00	U	2.50	5.00	P	05/19/2025	15:09	LB135823
	Cobalt	15.0	<15.0	U	3.75	15.0	P	05/19/2025	15:09	LB135823
	Copper	10.0	<10.0	U	8.00	10.0	P	05/19/2025	15:09	LB135823
	Iron	50.0	<50.0	U	40.0	50.0	P	05/19/2025	15:09	LB135823
	Lead	6.00	<6.00	U	4.80	6.00	P	05/19/2025	15:09	LB135823
	Magnesium	1000	<1000	U	250	1000	P	05/19/2025	15:09	LB135823
	Manganese	10.0	<10.0	U	7.50	10.0	P	05/19/2025	15:09	LB135823
	Nickel	20.0	<20.0	U	5.00	20.0	P	05/19/2025	15:09	LB135823
	Potassium	1000	<1000	U	800	1000	P	05/19/2025	15:09	LB135823
	Selenium	10.0	<10.0	U	8.00	10.0	P	05/19/2025	15:09	LB135823
	Silver	5.00	<5.00	U	2.50	5.00	P	05/19/2025	15:09	LB135823
	Sodium	1000	<1000	U	500	1000	P	05/19/2025	15:09	LB135823
	Thallium	20.0	<20.0	U	10.0	20.0	P	05/19/2025	15:09	LB135823
	Vanadium	20.0	<20.0	U	10.0	20.0	P	05/19/2025	15:09	LB135823
	Zinc	20.0	<20.0	U	7.50	20.0	P	05/19/2025	15:09	LB135823

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

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2064

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

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

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	245000	255000	96	216000	294000	05/19/2025	12:52	LB135823
	Antimony	-0.96			-50	50	05/19/2025	12:52	LB135823
	Arsenic	5.21			-20	20	05/19/2025	12:52	LB135823
	Barium	4.26	6.0	71	-94	106	05/19/2025	12:52	LB135823
	Beryllium	0.58			-6	6	05/19/2025	12:52	LB135823
	Cadmium	-4.22	1.0	422	-5	7	05/19/2025	12:52	LB135823
	Calcium	232000	245000	95	208000	282000	05/19/2025	12:52	LB135823
	Chromium	55.5	52.0	107	42	62	05/19/2025	12:52	LB135823
	Cobalt	1.33			-30	30	05/19/2025	12:52	LB135823
	Copper	9.33	2.0	466	-18	22	05/19/2025	12:52	LB135823
	Iron	99000	101000	98	85600	116500	05/19/2025	12:52	LB135823
	Lead	-0.59			-12	12	05/19/2025	12:52	LB135823
	Magnesium	247000	255000	97	216000	294000	05/19/2025	12:52	LB135823
	Manganese	4.75	7.0	68	-13	27	05/19/2025	12:52	LB135823
	Nickel	1.99	2.0	100	-38	42	05/19/2025	12:52	LB135823
	Potassium	-23.0			0	0	05/19/2025	12:52	LB135823
	Selenium	4.52			-20	20	05/19/2025	12:52	LB135823
	Silver	-0.75			-10	10	05/19/2025	12:52	LB135823
	Sodium	-58.2			0	0	05/19/2025	12:52	LB135823
	Thallium	9.42			-40	40	05/19/2025	12:52	LB135823
	Vanadium	3.00			-40	40	05/19/2025	12:52	LB135823
	Zinc	2.14			-40	40	05/19/2025	12:52	LB135823
ICSAB01	Aluminum	248000	247000	100	209000	285000	05/19/2025	12:57	LB135823
	Antimony	634	618	103	525	711	05/19/2025	12:57	LB135823
	Arsenic	115	104	111	88.4	120	05/19/2025	12:57	LB135823
	Barium	481	537	90	437	637	05/19/2025	12:57	LB135823
	Beryllium	518	495	105	420	570	05/19/2025	12:57	LB135823
	Cadmium	1030	972	106	826	1120	05/19/2025	12:57	LB135823
	Calcium	229000	235000	97	199000	271000	05/19/2025	12:57	LB135823
	Chromium	571	542	105	460	624	05/19/2025	12:57	LB135823
	Cobalt	509	476	107	404	548	05/19/2025	12:57	LB135823
	Copper	512	511	100	434	588	05/19/2025	12:57	LB135823
	Iron	94000	99300	95	84400	114500	05/19/2025	12:57	LB135823
	Lead	49.5	49.0	101	37	61	05/19/2025	12:57	LB135823
	Magnesium	247000	248000	100	210000	286000	05/19/2025	12:57	LB135823
	Manganese	489	507	96	430	584	05/19/2025	12:57	LB135823
	Nickel	1010	954	106	810	1100	05/19/2025	12:57	LB135823
	Potassium	-11.6			0	0	05/19/2025	12:57	LB135823
	Selenium	58.0	46.0	126	26	66	05/19/2025	12:57	LB135823
	Silver	213	201	106	170	232	05/19/2025	12:57	LB135823
	Sodium	-11.9			0	0	05/19/2025	12:57	LB135823
	Thallium	108	108	100	68	148	05/19/2025	12:57	LB135823

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

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2064

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

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	484	491	99	417	565	05/19/2025	12:57	LB135823
	Zinc	1050	952	110	809	1095	05/19/2025	12:57	LB135823

METAL QC DATA

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

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Tetra Tech NUS, Inc. **level:** low **sdg no.:** Q2064

contract: TETR06 **lab code:** CHEM **case no.:** Q2064 **sas no.:** Q2064

matrix: Water **sample id:** Q2033-01 **client id:** TW-WTS-08MS

Percent Solids for Sample: NA **Spiked ID:** Q2033-01MS **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	1290		286		1000	100		P
Antimony	ug/L	88 - 113	413		25.0	U	400	103		P
Arsenic	ug/L	87 - 113	416		10.0	U	400	104		P
Barium	ug/L	88 - 113	264		160		100	105		P
Beryllium	ug/L	89 - 112	93.8		3.00	U	100	94		P
Cadmium	ug/L	88 - 113	99.9		3.00	U	100	100		P
Calcium	ug/L	87 - 113	253000		245000		500	1596		P
Chromium	ug/L	90 - 113	273		79.3		200	97		P
Cobalt	ug/L	89 - 114	100		1.98	J	100	98		P
Copper	ug/L	86 - 114	160		19.1		150	94		P
Iron	ug/L	87 - 115	7710		5530		1500	146	N	P
Lead	ug/L	86 - 113	481		4.28	J	500	95		P
Magnesium	ug/L	85 - 113	898	J	1000	U	1000	90		P
Manganese	ug/L	90 - 114	94.7		10.0	U	100	95		P
Nickel	ug/L	88 - 113	261		18.1	J	250	97		P
Potassium	ug/L	86 - 114	287000		256000		5000	624		P
Selenium	ug/L	83 - 114	1020		10.0	U	1000	102		P
Silver	ug/L	84 - 115	6.75		5.00	U	37.5	18	N	P
Sodium	ug/L	87 - 115	124000		109000		1500	1002		P
Thallium	ug/L	85 - 114	953		20.0	U	1000	95		P
Vanadium	ug/L	90 - 111	150		4.53	J	150	97		P
Zinc	ug/L	87 - 115	107		8.68	J	100	99		P

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

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Tetra Tech NUS, Inc. **level:** low **sdg no.:** Q2064

contract: TETR06 **lab code:** CHEM **case no.:** Q2064 **sas no.:** Q2064

matrix: Water **sample id:** Q2033-01 **client id:** TW-WTS-08MSD

Percent Solids for Sample: NA **Spiked ID:** Q2033-01MSD **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	1280		286		1000	100		P
Antimony	ug/L	88 - 113	415		25.0	U	400	104		P
Arsenic	ug/L	87 - 113	416		10.0	U	400	104		P
Barium	ug/L	88 - 113	254		160		100	95		P
Beryllium	ug/L	89 - 112	105		3.00	U	100	105		P
Cadmium	ug/L	88 - 113	101		3.00	U	100	101		P
Calcium	ug/L	87 - 113	251000		245000		500	1261		P
Chromium	ug/L	90 - 113	276		79.3		200	98		P
Cobalt	ug/L	89 - 114	101		1.98	J	100	99		P
Copper	ug/L	86 - 114	162		19.1		150	95		P
Iron	ug/L	87 - 115	7010		5530		1500	99		P
Lead	ug/L	86 - 113	484		4.28	J	500	96		P
Magnesium	ug/L	85 - 113	927	J	1000	U	1000	93		P
Manganese	ug/L	90 - 114	94.6		10.0	U	100	95		P
Nickel	ug/L	88 - 113	263		18.1	J	250	98		P
Potassium	ug/L	86 - 114	263000		256000		5000	135		P
Selenium	ug/L	83 - 114	1030		10.0	U	1000	103		P
Silver	ug/L	84 - 115	5.41		5.00	U	37.5	14	N	P
Sodium	ug/L	87 - 115	111000		109000		1500	190		P
Thallium	ug/L	85 - 114	962		20.0	U	1000	96		P
Vanadium	ug/L	90 - 111	150		4.53	J	150	97		P
Zinc	ug/L	87 - 115	108		8.68	J	100	99		P

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

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Tetra Tech NUS, Inc. **level:** low **sdg no.:** Q2064

contract: TETR06 **lab code:** CHEM **case no.:** Q2064 **sas no.:** Q2064

matrix: Water **sample id:** Q2064-01 **client id:** RW8-SP100-70-20250514MS

Percent Solids for Sample: NA **Spiked ID:** Q2064-01MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	82 - 119	3.25		0.20	U	4.0	81	N	CV

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

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Tetra Tech NUS, Inc. **level:** low **sdg no.:** Q2064

contract: TETR06 **lab code:** CHEM **case no.:** Q2064 **sas no.:** Q2064

matrix: Water **sample id:** Q2064-01 **client id:** RW8-SP100-70-20250514MSD

Percent Solids for Sample: NA **Spiked ID:** Q2064-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	82 - 119	3.71		0.20	U	4.0	93		CV

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

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2064

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

Matrix: Water **Level:** LOW **Client ID:** TW-WTS-08A

Sample ID: Q2033-01 **Spiked ID:** Q2033-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Iron	ug/L	87 - 115	6390		5530		1500	57	N	P
Silver	ug/L	84 - 115	31.6		5.00	U	37.5	84		P

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

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2064

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

Matrix: Water **Level:** LOW **Client ID:** RW8-SP100-70-20250514A

Sample ID: Q2064-01 **Spiked ID:** Q2064-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	82 - 119	3.98		0.20	U	4.00	100		CV

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

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc. **Level:** LOW **SDG No.:** Q2064

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

Matrix: Water **Sample ID:** Q2033-01 **Client ID:** TW-WTS-08DUP

Percent Solids for Sample: NA **Duplicate ID** Q2033-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	286		301		5		P
Antimony	ug/L	20	25.0	U	25.0	U			P
Arsenic	ug/L	20	10.0	U	10.0	U			P
Barium	ug/L	20	160		166		4		P
Beryllium	ug/L	20	3.00	U	3.00	U			P
Cadmium	ug/L	20	3.00	U	3.00	U			P
Calcium	ug/L	20	245000		251000		2		P
Chromium	ug/L	20	79.3		83.6		5		P
Cobalt	ug/L	20	1.98	J	1.93	J	3		P
Copper	ug/L	20	19.1		19.5		2		P
Iron	ug/L	20	5530		5830		5		P
Lead	ug/L	20	4.28	J	4.38	J	2		P
Magnesium	ug/L	20	1000	U	1000	U			P
Manganese	ug/L	20	10.0	U	10.0	U			P
Nickel	ug/L	20	18.1	J	18.9	J	4		P
Potassium	ug/L	20	256000		270000		5		P
Selenium	ug/L	20	10.0	U	10.0	U			P
Silver	ug/L	20	5.00	U	5.00	U			P
Sodium	ug/L	20	109000		115000		5		P
Thallium	ug/L	20	20.0	U	20.0	U			P
Vanadium	ug/L	20	4.53	J	4.93	J	8		P
Zinc	ug/L	20	8.68	J	20.0	U	200.0		P

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

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

Metals

- 6 -
DUPLICATE SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc. **Level:** LOW **SDG No.:** Q2064

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

Matrix: Water **Sample ID:** Q2033-01MS **Client ID:** TW-WTS-08MSD

Percent Solids for Sample: NA **Duplicate ID** Q2033-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	1290		1280		1		P
Antimony	ug/L	20	413		415		0		P
Arsenic	ug/L	20	416		416		0		P
Barium	ug/L	20	264		254		4		P
Beryllium	ug/L	20	93.8		105		11		P
Cadmium	ug/L	20	99.9		101		1		P
Calcium	ug/L	20	253000		251000		1		P
Chromium	ug/L	20	273		276		1		P
Cobalt	ug/L	20	100		101		1		P
Copper	ug/L	20	160		162		1		P
Iron	ug/L	20	7710		7010		10		P
Lead	ug/L	20	481		484		1		P
Magnesium	ug/L	20	898	J	927	J	3		P
Manganese	ug/L	20	94.7		94.6		0		P
Nickel	ug/L	20	261		263		1		P
Potassium	ug/L	20	287000		263000		9		P
Selenium	ug/L	20	1020		1030		1		P
Silver	ug/L	20	6.75		5.41		22		P
Sodium	ug/L	20	124000		111000		11		P
Thallium	ug/L	20	953		962		1		P
Vanadium	ug/L	20	150		150		0		P
Zinc	ug/L	20	107		108		1		P

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

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

Metals

- 6 -
DUPLICATE SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc. **Level:** LOW **SDG No.:** Q2064

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

Matrix: Water **Sample ID:** Q2064-01 **Client ID:** RW8-SP100-70-20250514DUP

Percent Solids for Sample: NA **Duplicate ID** Q2064-01DUP **Percent Solids for Spike Sample:** NA

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

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

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

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc. **Level:** LOW **SDG No.:** Q2064

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

Matrix: Water **Sample ID:** Q2064-01MS **Client ID:** RW8-SP100-70-20250514MSD

Percent Solids for Sample: NA **Duplicate ID** Q2064-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	3.25		3.71		13		CV

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

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

Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2064

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168036BS							
Aluminum	ug/L	1000	937		94	86 - 115	P
Antimony	ug/L	400	395		99	88 - 113	P
Arsenic	ug/L	400	386		96	87 - 113	P
Barium	ug/L	100	88.9		89	88 - 113	P
Beryllium	ug/L	100	98.6		99	89 - 112	P
Cadmium	ug/L	100	96.1		96	88 - 113	P
Calcium	ug/L	500	476	J	95	87 - 113	P
Chromium	ug/L	200	191		96	90 - 113	P
Cobalt	ug/L	100	93.3		93	89 - 114	P
Copper	ug/L	150	147		98	86 - 114	P
Iron	ug/L	1500	1380		92	87 - 115	P
Lead	ug/L	500	469		94	86 - 113	P
Magnesium	ug/L	1000	912	J	91	85 - 113	P
Manganese	ug/L	100	94.2		94	90 - 114	P
Nickel	ug/L	250	236		94	88 - 113	P
Potassium	ug/L	5000	4430		89	86 - 114	P
Selenium	ug/L	1000	983		98	83 - 114	P
Silver	ug/L	37.5	35.9		96	84 - 115	P
Sodium	ug/L	1500	1410		94	87 - 115	P
Thallium	ug/L	1000	968		97	85 - 114	P
Vanadium	ug/L	150	139		93	90 - 111	P
Zinc	ug/L	100	97.0		97	87 - 115	P

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

LABORATORY CONTROL SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2064

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168071BS							
Mercury	ug/L	4.0	3.61		90	82 - 119	CV

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

Metals

-9 -

ICP SERIAL DILUTIONS

SAMPLE NO.

TW-WTS-08L

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

Lab Code: CHEM **Lb No.:** lb135823 **Lab Sample ID :** Q2033-01L **SDG No.:** Q2064

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	286		237	J	17		P
Antimony	25.0	U	125	U			P
Arsenic	10.0	U	50.0	U			P
Barium	160		162	J	1		P
Beryllium	3.00	U	15.0	U			P
Cadmium	3.00	U	15.0	U			P
Calcium	245000		248000		1		P
Chromium	79.3		78.0		2		P
Cobalt	1.98	J	75.0	U	100.0		P
Copper	19.1		18.7	J	2		P
Iron	5530		5940		7		P
Lead	4.28	J	30.0	U	100.0		P
Magnesium	1000	U	5000	U			P
Manganese	10.0	U	50.0	U			P
Nickel	18.1	J	18.6	J	3		P
Potassium	256000		256000		0		P
Selenium	10.0	U	50.0	U			P
Silver	5.00	U	25.0	U			P
Sodium	109000		109000		0		P
Thallium	20.0	U	100	U			P
Vanadium	4.53	J	100	U	100.0		P
Zinc	8.68	J	100	U	100.0		P

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

Metals

-9 -

ICP SERIAL DILUTIONS

SAMPLE NO.

RW8-SP100-70-20250514L

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

Lab Code: CHEM **Lb No.:** lb135832 **Lab Sample ID :** Q2064-01L **SDG No.:** Q2064

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Mercury	0.20	U	1.00	U			CV

METAL PREPARATION & INSTRUMENT DATA

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

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2064

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

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

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

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2064

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0054900
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2064

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

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

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

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2064

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

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

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

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2064

Contract: TETR06 **Lab Code:** CHEM **Case No.:** Q2064 **SAS No.:** Q2064

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	-0.0035600	-0.0007970	0.0000000	-0.0018900	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Cobalt	228.616	0.0000000	0.0018800	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	-0.0039700	0.0000000	-0.0115600	0.0000000
Vanadium	292.402	0.0000000	0.0005320	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

METAL PREPARATION & ANALYICAL SUMMARY

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

Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2064

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

Case No.: Q2064 **SAS No.:** Q2064

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB168036**						
PB168036BL	PB168036BL	MB	WATER	05/16/2025	50.0	25.0	
PB168036BS	PB168036BS	LCS	WATER	05/16/2025	50.0	25.0	
Q2033-01DUP	TW-WTS-08DUP	DUP	WATER	05/16/2025	50.0	25.0	
Q2033-01MS	TW-WTS-08MS	MS	WATER	05/16/2025	50.0	25.0	
Q2033-01MSD	TW-WTS-08MSD	MSD	WATER	05/16/2025	50.0	25.0	
Q2064-01	RW8-SP100-70-20250514	SAM	WATER	05/16/2025	50.0	25.0	
Q2064-04	RW8-SP303-70-20250514	SAM	WATER	05/16/2025	50.0	25.0	
Q2064-05	RW8-SP100-90-20250514	SAM	WATER	05/16/2025	50.0	25.0	
Q2064-08	RW8-SP303-90-20250514	SAM	WATER	05/16/2025	50.0	25.0	

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

Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2064

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

Case No.: Q2064 **SAS No.:** Q2064

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB168071**						
PB168071BL	PB168071BL	MB	WATER	05/16/2025	30.0	30.0	
PB168071BS	PB168071BS	LCS	WATER	05/16/2025	30.0	30.0	
Q2064-01	RW8-SP100-70-20250514	SAM	WATER	05/16/2025	30.0	30.0	
Q2064-01DUP	RW8-SP100-70-20250514DUP	DUP	WATER	05/16/2025	30.0	30.0	
Q2064-01MS	RW8-SP100-70-20250514MS	MS	WATER	05/16/2025	30.0	30.0	
Q2064-01MSD	RW8-SP100-70-20250514MSD	MSD	WATER	05/16/2025	30.0	30.0	
Q2064-04	RW8-SP303-70-20250514	SAM	WATER	05/16/2025	30.0	30.0	
Q2064-05	RW8-SP100-90-20250514	SAM	WATER	05/16/2025	30.0	30.0	
Q2064-08	RW8-SP303-90-20250514	SAM	WATER	05/16/2025	30.0	30.0	

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

metals
- 14 -
ANALYSIS RUN LOG

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

Lab code: CHEM **Case no.:** Q2064 **Sas no.:** Q2064 **Sdg no.:** Q2064

Instrument id number: **Method:** **Run number:** LB135823

Start date: 05/19/2025 **End date:** 05/19/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1202	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	1206	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	1211	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	1215	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	1219	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	1223	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	1228	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	1238	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	1244	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	1248	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	1252	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	1257	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	1315	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	1323	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	1413	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	1424	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168036BL	PB168036BL	1	1509	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1514	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	1519	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168036BS	PB168036BS	1	1524	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	1603	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	1607	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	1647	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	1651	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	1735	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1739	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	1821	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	1825	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2033-01DUP	TW-WTS-08DUP	1	1829	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2033-01L	TW-WTS-08L	5	1834	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2033-01MS	TW-WTS-08MS	1	1839	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2033-01MSD	TW-WTS-08MSD	1	1843	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2033-01A	TW-WTS-08A	1	1848	Ag,Fe
Q2064-01	RW8-SP100-70-20250514	1	1852	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2064-04	RW8-SP303-70-20250514	1	1856	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2064-05	RW8-SP100-90-20250514	1	1901	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2064-08	RW8-SP303-90-20250514	1	1905	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV08	CCV08	1	1909	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB08	CCB08	1	1914	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV09	CCV09	1	1955	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB09	CCB09	1	1959	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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

metals
- 14 -
ANALYSIS RUN LOG

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

Lab code: CHEM **Case no.:** Q2064 **Sas no.:** Q2064 **Sdg no.:** Q2064

Instrument id number: **Method:** **Run number:** LB135823

Start date: 05/19/2025 **End date:** 05/19/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
CCV10	CCV10	1	2011	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB10	CCB10	1	2015	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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

metals
- 14 -
ANALYSIS RUN LOG

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

Lab code: CHEM **Case no.:** Q2064 **Sas no.:** Q2064 **Sdg no.:** Q2064

Instrument id number: **Method:** **Run number:** LB135832

Start date: 05/20/2025 **End date:** 05/20/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0910	HG
S0.2	S0.2	1	0912	HG
S2.5	S2.5	1	0914	HG
S5	S5	1	0920	HG
S7.5	S7.5	1	0925	HG
S10	S10	1	0930	HG
ICV11	ICV11	1	0936	HG
ICB11	ICB11	1	0938	HG
CCV40	CCV40	1	0943	HG
CCB40	CCB40	1	0945	HG
CRA	CRA	1	0947	HG
CCV41	CCV41	1	1013	HG
CCB41	CCB41	1	1015	HG
CCV42	CCV42	1	1042	HG
CCB42	CCB42	1	1044	HG
PB168071BL	PB168071BL	1	1102	HG
PB168071BS	PB168071BS	1	1104	HG
CCV43	CCV43	1	1109	HG
CCB43	CCB43	1	1111	HG
Q2064-01	RW8-SP100-70-20250514	1	1113	HG
Q2064-01DUP	RW8-SP100-70-20250514DUP	1	1116	HG
Q2064-01MS	RW8-SP100-70-20250514MS	1	1118	HG
Q2064-01MSD	RW8-SP100-70-20250514MSD	1	1120	HG
Q2064-04	RW8-SP303-70-20250514	1	1123	HG
Q2064-05	RW8-SP100-90-20250514	1	1125	HG
Q2064-08	RW8-SP303-90-20250514	1	1127	HG
CCV44	CCV44	1	1136	HG
CCB44	CCB44	1	1139	HG
Q2064-01L	RW8-SP100-70-20250514L	5	1148	HG
Q2064-01A	RW8-SP100-70-20250514A	1	1150	HG
CCV45	CCV45	1	1155	HG
CCB45	CCB45	1	1157	HG

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

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

Chemtech Project Number: Q2064

COC Number:

CLIENT INFORMATION	PROJECT INFORMATION	BILLING INFORMATION
COMPANY: Tetra Tech	PROJECT NAME: NWIRP Bethpage	BILL TO: PO#
ADDRESS: 4433 Corporation Ln, Suite 300	PROJECT #: 112G08005-WE13 LOCATION: RW8	ADDRESS:
CITY: Virginia Beach STATE: VA ZIP: 23462	PROJECT MANAGER: Ernie Wu	CITY: STATE: ZIP:
ATTENTION: Ernie Wu	E-MAIL: ernie,wu@tetratech.com	ATTENTION: PHONE:
PHONE: 757-466-4901 FAX: 757-461-4148	PHONE: 757-466-4901 FAX: 757-461-4148	

DATA TURNAROUND INFORMATION

FAX: 5 DAYS*
HARD COPY: 5 DAYS*
EDD 5 DAYS*
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ❑ RESEULTS ONLY
- ❑ RESULTS + QC
- ❑ New Jersey REDUCED
- ❑ New Jersey CLP
- ❑ EDD Format
- ❑ USEPA CLP
- ❑ New York State ASP "B"
- ❑ New York State ASP "A"
- ❑ Other

ANALYSIS

	1	2	3	4	5	6	7	8	9
	1,4-Dioxane SW846 8270 SIM	TAL Metals SW846 6010D/7471A	TCL SVOCS SW846 8270						

PRESERVATIVES

	1	2	3	4	5	6	7	8	9
		B							

COMMENTS

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

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	1	2	3	4	5	6	7	8	9
1.	RW8-SP100-70%-20250514	GW		x	5/14/25	15:10	3	x	x	x						
2.	RW8-SP201-70%-20250514	GW		x	5/14/25	15:11	1	x								
3.	RW8-SP301-70%-20250514	GW		x	5/14/25	15:13	1	x								
4.	RW8-SP303-70%-20250514	GW		x	5/14/25	15:14	3	x	x	x						
5.	RW8-SP100-90%-20250514	GW		x	5/14/25	16:00	3	x	x	x						
6.	RW8-SP201-90%-20250514	GW		x	5/14/25	16:01	1	x								
7.	RW8-SP301-90%-20250514	GW		x	5/14/25	16:03	1	x								
8.	RW8-SP303-90%-20250514	GW		x	5/14/25	16:04	3	x	x	x						
9.																
10.																

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

	DATE/TIME		
RELINQUISHED BY SAMPLER 1	5/15/25 1200	RECEIVED BY 1.	
RELINQUISHED BY 2.	5/16/25 1005	RECEIVED BY 2.	
RELINQUISHED BY 3.	DATE/TIME	RECEIVED FOR LAB BY 3.	

Conditions of bottles or coolers at receipt: ❑ Compliant ❑ Non Compliant ❑ Cooler Temp 3.1°C
❑ Ice in Cooler? Yes
MeOH extraction requires an additional 4oz. Jar for percent solid
Comments:

Page ____ of ____

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

Shipment Complete ❑ YES ❑ NO

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

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

Laboratory Certification

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