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

ANALYTICAL RESULTS SUMMARY

GENERAL CHEMISTRY
METALS
GC SEMI-VOLATILES
SEMI-VOLATILE ORGANICS
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 : Q2645

ATTENTION : Ernie Wu

Laboratory Certification ID # 20012

Table Of Contents for Q2645

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Cover Page

Order ID : Q2645

Project ID : NWIRP Bethpage 112G08005-WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number	Client Sample Number
Q2645-02	RW5B-CARBON-20250716
Q2645-03	RW5B-CARBON-20250716

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: 7/30/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Tetra Tech NUS, Inc.
Project Name: NWIRP Bethpage 112G08005-WE13
Project Manager : Ernie Wu
Order ID # Q2645
Test Name: TCLP VOA

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 07/18/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: TCLP VOA. This data package contains results for TCLP VOA.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_N were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of TCLP VOA was based on method 8260D and TCLP extraction method was 1311.

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

The RPD were met for all analysis.
The Blank Spike met requirements for all compounds.
The Blank Spike Duplicate met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

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

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

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

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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.

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CASE NARRATIVE

Tetra Tech NUS, Inc.
Project Name: NWIRP Bethpage 112G08005-WE13
Project Manager : Ernie Wu
Order ID # Q2645
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 07/18/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOC-TCL BNA -20. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df. The 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 were met for all analysis except for RW5B-CARBON-20250716 [2,4,6-Tribromophenol - 3%, 2-Fluorobiphenyl - 7%, 2-Fluorophenol - 2%, Nitrobenzene-d5 - 9%, Phenol-d6 - 3% and Terphenyl-d14 - 4%]. The similar failure in the Pest / PCB sample was also observed. The surrogates in the re-extracted Pest/PCB sample failed again, confirming the matrix interference. Therefore, the sample RW5B-CARBON-20250716 was not re-extracted and also not re-analyzed, as the reanalysis would result in the same recoveries of the surrogates. Therefor no further corrective action was taken.

The Internal Standards Areas were met for all analysis.
The Retention Times were met for all analysis.

The MS {Q2649-09MS} with File ID: BF143219.D recoveries met the requirements for all compounds except for 4-Chloroaniline[13%]. Recovery failed due to matrix interference. Therefor no further corrective action was taken.

The MSD {Q2649-09MSD} with File ID: BF143220.D recoveries met the requirements for all compounds except for 4-Chloroaniline[16%]. Recovery failed due to matrix interference. Therefor no further corrective action was taken.

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The RPD for {Q2649-09MSD} with File ID: BF143220.D met criteria except for 4-Chloroaniline[21%]. RPD failed due to result difference between MS and MSD, therefor no further corrective action was taken.

The Blank Spike met requirements for all compounds.

The Blank analysis did not indicate the presence of lab contamination.
The %RSD is greater than 20% for certain compounds in the Initial Calibration (Method 8270-BF071725.M) for 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol these Compound is 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 data summary 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.
The soil samples results are based on a dry weight basis.
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.

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CASE NARRATIVE

Tetra Tech NUS, Inc.
Project Name: NWIRP Bethpage 112G08005-WE13
Project Manager: Ernie Wu
Order ID # Q2645
Test Name: PCB

A. Number of Samples and Date of Receipt:
1 Solid sample was received on 07/18/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: PCB. This data package contains results for PCB.

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

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

The Surrogate recoveries were met for all analysis except for
RW5B-CARBON-20250716 [Decachlorobiphenyl(1)6%, Decachlorobiphenyl(2)6%, Tetrachloro-m-xylene(1)1%, Tetrachloro-m-xylene(2)2%],
RW5B-CARBON-20250716RX [Decachlorobiphenyl(1)5%, Decachlorobiphenyl(2)1%, Tetrachloro-m-xylene(1)1% and Tetrachloro-m-xylene(2)1%],
Sample RW5B-CARBON-20250716 (Q2645-02) failed for surrogate from PB168927, Therefore sample was Re-extracted and reanalyzed from PB168946 and both run reported.

The Retention Times were met for all analysis.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the requirements for all compounds.

The RPD for {Q2649-01MSD} with File ID: PO112380.D met criteria except for AR1016[21%] due to difference in results of MS-MSD.

The Blank Spike met requirements for all compounds.

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The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.

The Continuous Calibration File ID PP073987.D met the requirements except for Decachlorobiphenyl is failing in 2nd column however it is passing in 1st column therefore no corrective action taken.

The Continuous Calibration File ID PP074002.D met the requirements except for Aroclor-1260(Peak-02) is failing in 1st column however it is passing in 2nd column therefore no corrective action taken.

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

The not QT review data is reported in the Miscellaneous.
The soil samples results are based on a dry weight basis.

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.

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CASE NARRATIVE

Tetra Tech NUS, Inc.
Project Name: NWIRP Bethpage 112G08005-WE13
Project Manager : Ernie Wu
Order ID # Q2645
Test Name: TCLP Mercury,TCLPMetals Group1

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 07/18/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Flash Point, Ignitability, PCB, pH, SVOC-TCL BNA -20, TCLP Extraction, TCLP Mercury, TCLP METALGROUP1, TCLP VOA, TCLP ZHE Extraction and TCLPMetals Group1. This data package contains results for TCLP Mercury,TCLPMetals Group1.

C. Analytical Techniques:
The analysis of TCLPMetals Group1 was based on method 6010D, digestion based on method 3010 (waters). The analysis and digestion of TCLP Mercury was based on method 7470A and TCLP extraction method was 1311.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all compounds.
The Duplicate analysis met criteria for all compounds.
The Matrix Spike (WC-6MS) analysis met criteria for all compounds except for Mercury and Barium due to Chemical Interference during Digestion Process.
The Matrix Spike Duplicate (WC-6MSD) analysis met criteria for all compounds except for Mercury and Barium 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 Post Digest Spike (WC-6A) analysis met criteria for all compounds except for Barium due to unknown chemical interference of matrix with the addition of spike amount after digestion and before analysis; matrix has suppression effect during addition of spike.

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

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

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CASE NARRATIVE

Tetra Tech NUS, Inc.
Project Name: NWIRP Bethpage 112G08005-WE13
Project Manager : Ernie Wu
Order ID # Q2645
Test Name: Ignitability,pH

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 07/18/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Ignitability,pH. This data package contains results for Ignitability,pH.

C. Analytical Techniques:
The analysis of Ignitability was based on method 1030, and The analysis of pH was based on method 9045D.

D. QA/ QC Samples:
The Holding Times were met for all samples except for RW5B-CARBON-20250716 of pH as sample was receive out of holding time.
The Duplicate analysis met criteria for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

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

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DATA REPORTING QUALIFIERS- INORGANIC

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

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

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DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2645

	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:** 07/30/2025

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

LAB CHRONICLE

OrderID:	Q2645	**OrderDate:**	7/18/2025 11:25:00 AM
Client:	Tetra Tech NUS, Inc.	**Project:**	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	**Location:**	--Select--,O41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2645-03	**RW5B-CARBON-20250716**	**TCLP**			**07/16/25**			**07/18/25**
			TCLP VOA	8260D			07/21/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2645

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:	**RW5B-CARBON-20250716**								
Q2645-03	RW5B-CARBON-2 TCLP		Chloroform	3.00	J	0.25	0.50	5.00	ug/L
Q2645-03	RW5B-CARBON-2 TCLP		Trichloroethene	1.10	J	0.090	0.75	5.00	ug/L
			Total Voc :	4.10					
			Total Concentration:	4.10					

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/16/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/18/25
Client Sample ID:	RW5B-CARBON-20250716	SDG No.:	Q2645
Lab Sample ID:	Q2645-03	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087377.D	1	07/21/25 14:16	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	5.00	ug/L
67-66-3	Chloroform	3.00	J	0.25	0.50	5.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.75	U	0.22	0.75	5.00	ug/L
79-01-6	Trichloroethene	1.10	J	0.090	0.75	5.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	5.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.3		81 - 118		113%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	51.0		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.2		85 - 114		92%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	135000	8.206				
540-36-3	1,4-Difluorobenzene	275000	9.083				
3114-55-4	Chlorobenzene-d5	250000	11.847				
3855-82-1	1,4-Dichlorobenzene-d4	118000	13.77				

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

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

QC SUMMARY

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Surrogate Summary

SDG No.: Q2645

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2645-03	RW5B-CARBON-20250716	1,2-Dichloroethane-d4	50	56.3	113		81	118
		Dibromofluoromethane	50	52.0	104		80	119
		Toluene-d8	50	51.0	102		89	112
		4-Bromofluorobenzene	50	46.2	92		85	114
VN0721WBL01	VN0721WBL01	1,2-Dichloroethane-d4	50	54.7	109		81	118
		Dibromofluoromethane	50	51.4	103		80	119
		Toluene-d8	50	51.0	102		89	112
		4-Bromofluorobenzene	50	46.4	93		85	114
VN0721WBS01	VN0721WBS01	1,2-Dichloroethane-d4	50	47.3	95		81	118
		Dibromofluoromethane	50	48.8	98		80	119
		Toluene-d8	50	50.4	101		89	112
		4-Bromofluorobenzene	50	49.9	100		85	114
VN0721WBSD0	VN0721WBSD01	1,2-Dichloroethane-d4	50	47.2	94		81	118
		Dibromofluoromethane	50	50.3	101		80	119
		Toluene-d8	50	50.6	101		89	112
		4-Bromofluorobenzene	50	50.0	100		85	114

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2645 **Analytical Method:** SW8260D

Client: Tetra Tech NUS, Inc. **Datafile :** VN087371.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0721WBS01	Vinyl chloride	20	19.0	ug/L	95			58	137	
	1,1-Dichloroethene	20	18.1	ug/L	91			71	131	
	2-Butanone	100	86.4	ug/L	86			56	143	
	Carbon Tetrachloride	20	19.6	ug/L	98			72	136	
	Chloroform	20	17.9	ug/L	90			79	124	
	Benzene	20	19.4	ug/L	97			79	120	
	1,2-Dichloroethane	20	18.3	ug/L	92			73	128	
	Trichloroethene	20	18.8	ug/L	94			79	123	
	Tetrachloroethene	20	18.3	ug/L	92			74	129	
	Chlorobenzene	20	18.6	ug/L	93			82	118	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2645 **Analytical Method:** SW8260D

Client: Tetra Tech NUS, Inc. **Datafile :** VN087372.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0721WBSD01	Vinyl chloride	20	19.0	ug/L	95	0		58	137	20
	1,1-Dichloroethene	20	17.6	ug/L	88	3		71	131	20
	2-Butanone	100	88.2	ug/L	88	2		56	143	20
	Carbon Tetrachloride	20	19.8	ug/L	99	1		72	136	20
	Chloroform	20	18.4	ug/L	92	2		79	124	20
	Benzene	20	19.2	ug/L	96	1		79	120	20
	1,2-Dichloroethane	20	18.8	ug/L	94	2		73	128	20
	Trichloroethene	20	18.8	ug/L	94	0		79	123	20
	Tetrachloroethene	20	19.3	ug/L	97	5		74	129	20
	Chlorobenzene	20	18.6	ug/L	93	0		82	118	20

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VOLATILE METHOD BLANK SUMMARY

Client ID: VN0721WBL01

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG NO.: Q2645

Lab File ID: VN087370.D | Lab Sample ID: VN0721WBL01

Date Analyzed: 07/21/2025 | Time Analyzed: 11:34

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

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0721WBS01	VN0721WBS01	VN087371.D	07/21/2025
VN0721WBSD01	VN0721WBSD01	VN087372.D	07/21/2025
RW5B-CARBON-20250716	Q2645-03	VN087377.D	07/21/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG NO.: Q2645

Lab File ID: VN087327.D | BFB Injection Date: 07/16/2025

Instrument ID: MSVOA_N | BFB Injection Time: 16:10

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	50.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	70.9
175	5.0 - 9.0% of mass 174	3.6 (5.1) 1
176	95.0 - 101.0% of mass 174	68.7 (96.9) 1
177	5.0 - 9.0% of mass 176	4.8 (7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VN087328.D	07/16/2025	17:05
VSTDICC005	VSTDICC005	VN087329.D	07/16/2025	17:27
VSTDICC020	VSTDICC020	VN087330.D	07/16/2025	17:49
VSTDICCC050	VSTDICCC050	VN087331.D	07/16/2025	18:11
VSTDICC100	VSTDICC100	VN087332.D	07/16/2025	18:32
VSTDICC150	VSTDICC150	VN087333.D	07/16/2025	18:54

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: TETR06
Lab Code: ACE
SDG NO.: Q2645
Lab File ID: VN087367.D
BFB Injection Date: 07/21/2025
Instrument ID: MSVOA_N
BFB Injection Time: 10:05
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.1
75	30.0 - 60.0% of mass 95	52.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.4
173	Less than 2.0% of mass 174	1.5 (1.9) 1
174	50.0 - 100.0% of mass 95	75.2
175	5.0 - 9.0% of mass 174	6 (8) 1
176	95.0 - 101.0% of mass 174	72.4 (96.3) 1
177	5.0 - 9.0% of mass 176	5 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN087368.D	07/21/2025	10:38
VN0721WBL01	VN0721WBL01	VN087370.D	07/21/2025	11:34
VN0721WBS01	VN0721WBS01	VN087371.D	07/21/2025	11:55
VN0721WBSD01	VN0721WBSD01	VN087372.D	07/21/2025	12:30
RW5B-CARBON-20250716	Q2645-03	VN087377.D	07/21/2025	14:16
VSTDCCC050EC	VSTDCCC050	VN087387.D	07/21/2025	17:50

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q2645

Lab File ID: VN087368.D Date Analyzed: 07/21/2025

Instrument ID: MSVOA_N Time Analyzed: 10:38

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	202357	8.21	342303	9.08	307825	11.85
UPPER LIMIT	404714	8.706	684606	9.583	615650	12.347
LOWER LIMIT	101179	7.706	171152	8.583	153913	11.347
EPA SAMPLE NO.						
RW5B-CARBON-20250716	134547	8.21	274518	9.08	249654	11.85
VN0721WBL01	164239	8.21	328305	9.08	300772	11.85
VN0721WBS01	195078	8.21	337215	9.09	308523	11.85
VN0721WBSD01	190787	8.21	328848	9.08	296338	11.85

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q2645

Lab File ID: VN087368.D Date Analyzed: 07/21/2025

Instrument ID: MSVOA_N Time Analyzed: 10:38

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

	IS4 AREA #	RT #				
12 HOUR STD	162263	13.77				
UPPER LIMIT	324526	14.27				
LOWER LIMIT	81131.5	13.27				
EPA SAMPLE NO.						
RW5B-CARBON-20250716	117578	13.77				
VN0721WBL01	133337	13.77				
VN0721WBS01	161452	13.77				
VN0721WBSD01	158557	13.77				

IS4 = 1,4-Dichlorobenzene-d4

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

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

QC SAMPLE DATA

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VN0721WBL01	SDG No.:	Q2645
Lab Sample ID:	VN0721WBL01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087370.D	1	07/21/25 11:34	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	5.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	5.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.75	U	0.22	0.75	5.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	5.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	5.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.7		81 - 118		109%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	51.0		89 - 112		102%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.4		85 - 114		93%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	164000	8.212				
540-36-3	1,4-Difluorobenzene	328000	9.083				
3114-55-4	Chlorobenzene-d5	301000	11.847				
3855-82-1	1,4-Dichlorobenzene-d4	133000	13.771				

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VN0721WBS01	SDG No.:	Q2645
Lab Sample ID:	VN0721WBS01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087371.D	1	07/21/25 11:55	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-01-4	Vinyl Chloride	19.0		0.26	0.75	5.00	ug/L
75-35-4	1,1-Dichloroethene	18.1		0.23	0.75	5.00	ug/L
78-93-3	2-Butanone	86.4		0.98	2.50	25.0	ug/L
56-23-5	Carbon Tetrachloride	19.6		0.25	0.50	5.00	ug/L
67-66-3	Chloroform	17.9		0.25	0.50	5.00	ug/L
71-43-2	Benzene	19.4		0.15	0.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	18.3		0.22	0.75	5.00	ug/L
79-01-6	Trichloroethene	18.8		0.090	0.75	5.00	ug/L
127-18-4	Tetrachloroethene	18.3		0.23	0.50	5.00	ug/L
108-90-7	Chlorobenzene	18.6		0.12	0.50	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.3		81 - 118		95%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		80 - 119		98%	SPK: 50
2037-26-5	Toluene-d8	50.4		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	195000	8.206				
540-36-3	1,4-Difluorobenzene	337000	9.088				
3114-55-4	Chlorobenzene-d5	309000	11.847				
3855-82-1	1,4-Dichlorobenzene-d4	161000	13.77				

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

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	VN0721WBSD01	SDG No.:	Q2645
Lab Sample ID:	VN0721WBSD01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087372.D	1	07/21/25 12:30	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-01-4	Vinyl Chloride	19.0		0.26	0.75	5.00	ug/L
75-35-4	1,1-Dichloroethene	17.6		0.23	0.75	5.00	ug/L
78-93-3	2-Butanone	88.2		0.98	2.50	25.0	ug/L
56-23-5	Carbon Tetrachloride	19.8		0.25	0.50	5.00	ug/L
67-66-3	Chloroform	18.4		0.25	0.50	5.00	ug/L
71-43-2	Benzene	19.2		0.15	0.50	5.00	ug/L
107-06-2	1,2-Dichloroethane	18.8		0.22	0.75	5.00	ug/L
79-01-6	Trichloroethene	18.8		0.090	0.75	5.00	ug/L
127-18-4	Tetrachloroethene	19.3		0.23	0.50	5.00	ug/L
108-90-7	Chlorobenzene	18.6		0.12	0.50	5.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.2		81 - 118		94%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	50.6		89 - 112		101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	191000	8.206				
540-36-3	1,4-Difluorobenzene	329000	9.082				
3114-55-4	Chlorobenzene-d5	296000	11.847				
3855-82-1	1,4-Dichlorobenzene-d4	159000	13.77				

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

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

CALIBRATION SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG No.: Q2645

Instrument ID: MSVOA_N | Calibration Date(s): 07/16/2025 07/16/2025

Heated Purge: (Y/N) N | Calibration Time(s): 17:05 18:54

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

LAB FILE ID: RRF001 = VN087328.D RRF005 = VN087329.D RRF020 = VN087330.D
RRF050 = VN087331.D RRF100 = VN087332.D RRF150 = VN087333.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Vinyl Chloride	0.554	0.665	0.623	0.728	0.692	0.720	0.664	9.9
1,1-Dichloroethene	0.635	0.641	0.553	0.545	0.514	0.537	0.571	9.4
2-Butanone	0.552	0.608	0.650	0.643	0.617	0.618	0.615	5.7
Carbon Tetrachloride	0.453	0.523	0.498	0.517	0.504	0.518	0.502	5.1
Chloroform	1.181	1.299	1.303	1.279	1.214	1.234	1.251	4
Benzene	1.370	1.430	1.502	1.553	1.483	1.499	1.473	4.3
1,2-Dichloroethane	0.553	0.565	0.569	0.567	0.544	0.552	0.558	1.8
Trichloroethene	0.373	0.330	0.337	0.356	0.339	0.352	0.348	4.5
Tetrachloroethene	0.329	0.338	0.317	0.320	0.310	0.317	0.322	3.2
Chlorobenzene	1.139	1.131	1.133	1.119	1.092	1.122	1.123	1.5
1,2-Dichloroethane-d4		0.939	0.820	0.802	0.818	0.863	0.848	6.6
Dibromofluoromethane		0.347	0.341	0.332	0.348	0.356	0.345	2.6
Toluene-d8		1.180	1.176	1.224	1.255	1.316	1.230	4.7
4-Bromofluorobenzene		0.405	0.433	0.455	0.476	0.505	0.455	8.5

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG No.: Q2645

Instrument ID: MSVOA_N | Calibration Date/Time: 07/21/2025 10:38

Lab File ID: VN087368.D | Init. Calib. Date(s): 07/16/2025 07/16/2025

Heated Purge: (Y/N) N | Init. Calib. Time(s): 17:05 18:54

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.664	0.725		9.19	20
1,1-Dichloroethene	0.571	0.556		-2.63	20
2-Butanone	0.615	0.586		-4.72	20
Carbon Tetrachloride	0.502	0.596		18.73	20
Chloroform	1.251	1.287		2.88	20
Benzene	1.473	1.638		11.2	20
1,2-Dichloroethane	0.558	0.595		6.63	20
Trichloroethene	0.348	0.383		10.06	20
Tetrachloroethene	0.322	0.364		13.04	20
Chlorobenzene	1.123	1.199	0.3	6.77	20
1,2-Dichloroethane-d4	0.848	0.831		-2.01	20
Dibromofluoromethane	0.345	0.356		3.19	20
Toluene-d8	1.230	1.321		7.4	20
4-Bromofluorobenzene	0.455	0.481		5.71	20

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG No.: Q2645

Instrument ID: MSVOA_N | Calibration Date/Time: 07/21/2025 17:50

Lab File ID: VN087387.D | Init. Calib. Date(s): 07/16/2025 07/16/2025

Heated Purge: (Y/N) N | Init. Calib. Time(s): 17:05 18:54

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.664	0.738		11.15	50
1,1-Dichloroethene	0.571	0.571		0	50
2-Butanone	0.615	0.625		1.63	50
Carbon Tetrachloride	0.502	0.579		15.34	50
Chloroform	1.251	1.293		3.36	50
Benzene	1.473	1.632		10.79	50
1,2-Dichloroethane	0.558	0.581		4.12	50
Trichloroethene	0.348	0.378		8.62	50
Tetrachloroethene	0.322	0.349		8.39	50
Chlorobenzene	1.123	1.201	0.3	6.95	50
1,2-Dichloroethane-d4	0.848	0.801		-5.54	50
Dibromofluoromethane	0.345	0.340		-1.45	50
Toluene-d8	1.230	1.257		2.19	50
4-Bromofluorobenzene	0.455	0.466		2.42	50

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

Alliance TECHNICAL GROUP
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LAB CHRONICLE

OrderID:	Q2645	**OrderDate:**	7/18/2025 11:25:00 AM
Client:	Tetra Tech NUS, Inc.	**Project:**	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	**Location:**	--Select--,O41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2645-02	**RW5B-CARBON-20250716**	**SOIL**			**07/16/25**			**07/18/25**
			SVOC-TCL BNA -20	8270E		07/22/25	07/23/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2645

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	LOD	RDL	Units
Client ID :	**RW5B-CARBON-20250716**									
Q2645-02	RW5B-CARBON-202507	SOIL	Bis(2-ethylhexyl)phthalate		580.000		86.2	190	250	ug/Kg
Q2645-02	RW5B-CARBON-202507	SOIL	Di-n-octyl phthalate		200.000	J	130	390	480	ug/Kg
Q2645-02	RW5B-CARBON-202507	SOIL	1,4-Dioxane		360.000		65.8	190	250	ug/Kg
			Total Svoc :		**1,140.00**					
Q2645-02	RW5B-CARBON-202507	SOIL	Butane, 2-methoxy-2-methyl-	*	1,300.000	J	0		0	ug/Kg
Q2645-02	RW5B-CARBON-202507	SOIL	Ethane, 1,1,2-trichloro-	*	4,600.000	J	0		0	ug/Kg
Q2645-02	RW5B-CARBON-202507	SOIL	Ethylene glycol monoisobutyl eth	*	420.000	J	0		0	ug/Kg
Q2645-02	RW5B-CARBON-202507	SOIL	n-Hexadecanoic acid	*	270.000	J	0		0	ug/Kg
Q2645-02	RW5B-CARBON-202507	SOIL	Propanedioic acid, propyl-	*	3,300.000	J	0		0	ug/Kg
Q2645-02	RW5B-CARBON-202507	SOIL	Propofol	*	320.000	J	0		0	ug/Kg
Q2645-02	RW5B-CARBON-202507	SOIL	unknown2.387	*	430.000	J	0		0	ug/Kg
			Total Tics :		**10,640.00**					
			Total Concentration:		**11,780.00**					

SAMPLE DATA

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/16/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/18/25
Client Sample ID:	RW5B-CARBON-20250716	SDG No.:	Q2645
Lab Sample ID:	Q2645-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	68.6
Sample Wt/Vol:	30.02 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143216.D	1	07/22/25 10:05	07/23/25 17:28	PB168948

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	390	U	230	390	480	ug/Kg
108-95-2	Phenol	190	U	32.2	190	250	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	190	U	35.4	190	250	ug/Kg
95-57-8	2-Chlorophenol	190	U	35.5	190	250	ug/Kg
95-48-7	2-Methylphenol	190	U	43.6	190	250	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	190	U	54.6	190	250	ug/Kg
98-86-2	Acetophenone	190	U	43.0	190	250	ug/Kg
65794-96-9	3+4-Methylphenols	390	U	59.9	390	480	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	120	U	69.1	120	120	ug/Kg
67-72-1	Hexachloroethane	190	U	25.6	190	250	ug/Kg
98-95-3	Nitrobenzene	190	U	26.7	190	250	ug/Kg
78-59-1	Isophorone	190	U	47.8	190	250	ug/Kg
88-75-5	2-Nitrophenol	190	U	84.8	190	250	ug/Kg
105-67-9	2,4-Dimethylphenol	190	U	94.4	190	250	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	190	U	44.9	190	250	ug/Kg
120-83-2	2,4-Dichlorophenol	190	U	41.2	190	250	ug/Kg
91-20-3	Naphthalene	190	U	33.1	190	250	ug/Kg
106-47-8	4-Chloroaniline	190	U	51.6	190	250	ug/Kg
87-68-3	Hexachlorobutadiene	190	U	36.9	190	250	ug/Kg
105-60-2	Caprolactam	390	U	75.9	390	480	ug/Kg
59-50-7	4-Chloro-3-methylphenol	190	U	41.8	190	250	ug/Kg
91-57-6	2-Methylnaphthalene	190	U	37.3	190	250	ug/Kg
77-47-4	Hexachlorocyclopentadiene	390	U	170	390	480	ug/Kg
88-06-2	2,4,6-Trichlorophenol	190	U	28.8	190	250	ug/Kg
95-95-4	2,4,5-Trichlorophenol	190	U	42.4	190	250	ug/Kg
92-52-4	1,1-Biphenyl	190	U	31.8	190	250	ug/Kg
91-58-7	2-Chloronaphthalene	190	U	32.8	190	250	ug/Kg
88-74-4	2-Nitroaniline	190	U	70.1	190	250	ug/Kg
131-11-3	Dimethylphthalate	190	U	39.5	190	250	ug/Kg

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/16/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/18/25
Client Sample ID:	RW5B-CARBON-20250716	SDG No.:	Q2645
Lab Sample ID:	Q2645-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	68.6
Sample Wt/Vol:	30.02 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143216.D	1	07/22/25 10:05	07/23/25 17:28	PB168948

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	190	U	42.1	190	250	ug/Kg
606-20-2	2,6-Dinitrotoluene	190	U	48.9	190	250	ug/Kg
99-09-2	3-Nitroaniline	190	U	67.0	190	250	ug/Kg
83-32-9	Acenaphthene	190	U	31.0	190	250	ug/Kg
51-28-5	2,4-Dinitrophenol	390	U	330	390	480	ug/Kg
100-02-7	4-Nitrophenol	390	U	160	390	480	ug/Kg
132-64-9	Dibenzofuran	190	U	33.1	190	250	ug/Kg
121-14-2	2,4-Dinitrotoluene	190	U	73.0	190	250	ug/Kg
84-66-2	Diethylphthalate	190	U	41.2	190	250	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	190	U	38.9	190	250	ug/Kg
86-73-7	Fluorene	190	U	36.9	190	250	ug/Kg
100-01-6	4-Nitroaniline	190	U	93.5	190	250	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	390	U	150	390	480	ug/Kg
86-30-6	n-Nitrosodiphenylamine	190	U	47.9	190	250	ug/Kg
101-55-3	4-Bromophenyl-phenylether	190	U	40.5	190	250	ug/Kg
118-74-1	Hexachlorobenzene	190	U	36.9	190	250	ug/Kg
1912-24-9	Atrazine	190	U	49.5	190	250	ug/Kg
87-86-5	Pentachlorophenol	390	U	74.7	390	480	ug/Kg
85-01-8	Phenanthrene	190	U	30.4	190	250	ug/Kg
120-12-7	Anthracene	190	U	48.5	190	250	ug/Kg
86-74-8	Carbazole	190	U	45.5	190	250	ug/Kg
84-74-2	Di-n-butylphthalate	190	U	69.8	190	250	ug/Kg
206-44-0	Fluoranthene	190	U	43.7	190	250	ug/Kg
129-00-0	Pyrene	190	U	52.4	190	250	ug/Kg
85-68-7	Butylbenzylphthalate	190	U	100	190	250	ug/Kg
91-94-1	3,3-Dichlorobenzidine	390	U	53.5	390	480	ug/Kg
56-55-3	Benzo(a)anthracene	190	U	33.5	190	250	ug/Kg
218-01-9	Chrysene	190	U	29.0	190	250	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	580		86.2	190	250	ug/Kg
117-84-0	Di-n-octyl phthalate	200	J	130	390	480	ug/Kg
205-99-2	Benzo(b)fluoranthene	190	U	27.7	190	250	ug/Kg

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/16/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/18/25
Client Sample ID:	RW5B-CARBON-20250716	SDG No.:	Q2645
Lab Sample ID:	Q2645-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	68.6
Sample Wt/Vol:	30.02 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143216.D	1	07/22/25 10:05	07/23/25 17:28	PB168948

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	190	U	32.6	190	250	ug/Kg
50-32-8	Benzo(a)pyrene	190	U	43.0	190	250	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	190	U	42.4	190	250	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	190	U	39.9	190	250	ug/Kg
191-24-2	Benzo(g,h,i)perylene	190	U	37.4	190	250	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U	37.3	190	250	ug/Kg
123-91-1	1,4-Dioxane	360		65.8	190	250	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	190	U	39.9	190	250	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	3.73	*	35 - 115		2%	SPK: 150
13127-88-3	Phenol-d6	3.88	*	34 - 127		3%	SPK: 150
4165-60-0	Nitrobenzene-d5	9.31	*	37 - 122		9%	SPK: 100
321-60-8	2-Fluorobiphenyl	6.94	*	44 - 115		7%	SPK: 100
118-79-6	2,4,6-Tribromophenol	4.54	*	39 - 132		3%	SPK: 150
1718-51-0	Terphenyl-d14	4.04	*	54 - 127		4%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	123000	6.963				
1146-65-2	Naphthalene-d8	476000	8.24				
15067-26-2	Acenaphthene-d10	256000	9.998				
1517-22-2	Phenanthrene-d10	430000	11.48				
1719-03-5	Chrysene-d12	263000	14.116				
1520-96-3	Perylene-d12	259000	15.621				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1300	J			2.32	ug/Kg
	unknown2.387	430	J			2.39	ug/Kg
000079-00-5	Ethane, 1,1,2-trichloro-	4600	J			4.31	ug/Kg
000616-62-6	Propanedioic acid, propyl-	3300	J			5.16	ug/Kg
004439-24-1	Ethylene glycol monoisobutyl ether	420	J			5.92	ug/Kg
002078-54-8	Propofol	320	J			9.86	ug/Kg
000057-10-3	n-Hexadecanoic acid	270	J			12.0	ug/Kg

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/16/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/18/25
Client Sample ID:	RW5B-CARBON-20250716	SDG No.:	Q2645
Lab Sample ID:	Q2645-02	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	68.6
Sample Wt/Vol:	30.02 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143216.D	1	07/22/25 10:05	07/23/25 17:28	PB168948

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)

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

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

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q2645

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB168948BL	PB168948BL	2-Fluorophenol	150	115	77		35	115
		Phenol-d6	150	116	77		34	127
		Nitrobenzene-d5	100	79.9	80		37	122
		2-Fluorobiphenyl	100	74.8	75		44	115
		2,4,6-Tribromophenol	150	125	83		39	132
		Terphenyl-d14	100	80.0	80		54	127
PB168948BS	PB168948BS	2-Fluorophenol	150	116	77		35	115
		Phenol-d6	150	118	79		34	127
		Nitrobenzene-d5	100	85.0	85		37	122
		2-Fluorobiphenyl	100	78.7	79		44	115
		2,4,6-Tribromophenol	150	131	87		39	132
		Terphenyl-d14	100	85.7	86		54	127
Q2645-02	RW5B-CARBON-20250716	2-Fluorophenol	150	3.73	2	*	35	115
		Phenol-d6	150	3.88	3	*	34	127
		Nitrobenzene-d5	100	9.31	9	*	37	122
		2-Fluorobiphenyl	100	6.94	7	*	44	115
		2,4,6-Tribromophenol	150	4.54	3	*	39	132
		Terphenyl-d14	100	4.04	4	*	54	127
Q2649-09MS	WC-3MS	2-Fluorophenol	150	81.7	54		35	115
		Phenol-d6	150	89.3	60		34	127
		Nitrobenzene-d5	100	58.8	59		37	122
		2-Fluorobiphenyl	100	54.3	54		44	115
		2,4,6-Tribromophenol	150	92.4	62		39	132
		Terphenyl-d14	100	56.4	56		54	127
Q2649-09MSD	WC-3MSD	2-Fluorophenol	150	83.8	56		35	115
		Phenol-d6	150	92.0	61		34	127
		Nitrobenzene-d5	100	63.6	64		37	122
		2-Fluorobiphenyl	100	54.0	54		44	115
		2,4,6-Tribromophenol	150	92.4	62		39	132
		Terphenyl-d14	100	57.8	58		54	127

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2645 **Analytical Method:** SW8270E

Client: Tetra Tech NUS, Inc. **DataFile:** BF143219.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2649-09MS		**Client Sample ID: WC-3MS**									
Benzaldehyde	1200	0	770	ug/Kg	64				10	161	
Phenol	1200	0	1000	ug/Kg	83				34	121	
bis(2-Chloroethyl)ether	1200	0	1000	ug/Kg	83				31	120	
2-Chlorophenol	1200	0	1100	ug/Kg	92				34	121	
2-Methylphenol	1200	0	1100	ug/Kg	92				32	122	
2,2-oxybis(1-Chloropropane)	1200	0	1000	ug/Kg	83				33	131	
Acetophenone	1200	0	1000	ug/Kg	83				33	115	
3+4-Methylphenols	1200	0	1000	ug/Kg	83				34	119	
N-Nitroso-di-n-propylamine	1200	0	1000	ug/Kg	83				36	120	
Hexachloroethane	1200	0	1100	ug/Kg	92				28	117	
Nitrobenzene	1200	0	1100	ug/Kg	92				34	122	
Isophorone	1200	0	1000	ug/Kg	83				30	122	
2-Nitrophenol	1200	0	1200	ug/Kg	100				36	123	
2,4-Dimethylphenol	1200	0	1000	ug/Kg	83				30	127	
bis(2-Chloroethoxy)methane	1200	0	1000	ug/Kg	83				36	121	
2,4-Dichlorophenol	1200	0	1100	ug/Kg	92				40	122	
Naphthalene	1200	0	1000	ug/Kg	83				35	123	
4-Chloroaniline	1200	0	160	ug/Kg	13	*			17	106	
Hexachlorobutadiene	1200	0	1100	ug/Kg	92				32	123	
Caprolactam	1200	0	1200	ug/Kg	100				46	117	
4-Chloro-3-methylphenol	1200	0	1100	ug/Kg	92				45	122	
2-Methylnaphthalene	1200	0	1100	ug/Kg	92				38	122	
Hexachlorocyclopentadiene	2500	0	2200	ug/Kg	88				43	112	
2,4,6-Trichlorophenol	1200	0	1100	ug/Kg	92				39	126	
2,4,5-Trichlorophenol	1200	0	1100	ug/Kg	92				41	124	
1,1-Biphenyl	1200	0	1100	ug/Kg	92				40	117	
2-Chloronaphthalene	1200	0	1100	ug/Kg	92				41	114	
2-Nitroaniline	1200	0	1100	ug/Kg	92				44	127	
Dimethylphthalate	1200	0	1100	ug/Kg	92				48	124	
Acenaphthylene	1200	0	1100	ug/Kg	92				32	132	
2,6-Dinitrotoluene	1200	0	1200	ug/Kg	100				46	124	
3-Nitroaniline	1200	0	540	ug/Kg	45				33	119	
Acenaphthene	1200	0	1200	ug/Kg	100				40	123	
2,4-Dinitrophenol	2500	0	2700	ug/Kg	108				15	130	
4-Nitrophenol	2500	0	2300	ug/Kg	92				30	132	
Dibenzofuran	1200	0	1100	ug/Kg	92				44	120	
2,4-Dinitrotoluene	1200	0	1300	ug/Kg	108				48	126	
Diethylphthalate	1200	0	1100	ug/Kg	92				50	124	
4-Chlorophenyl-phenylether	1200	0	1100	ug/Kg	92				45	121	
Fluorene	1200	0	1100	ug/Kg	92				43	125	
4-Nitroaniline	1200	0	1200	ug/Kg	100				35	115	
4,6-Dinitro-2-methylphenol	1200	0	1300	ug/Kg	108				29	132	
N-Nitrosodiphenylamine	1200	0	1000	ug/Kg	83				38	127	
4-Bromophenyl-phenylether	1200	0	1100	ug/Kg	92				46	124	
Hexachlorobenzene	1200	0	1100	ug/Kg	92				45	122	
Atrazine	1200	0	1200	ug/Kg	100				47	127	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2645 **Analytical Method:** SW8270E

Client: Tetra Tech NUS, Inc. **DataFile:** BF143219.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	2500	0	1600	ug/Kg	64				25	133	
Phenanthrene	1200	0	1000	ug/Kg	83				50	121	
Anthracene	1200	0	1000	ug/Kg	83				47	123	
Carbazole	1200	0	1100	ug/Kg	92				50	123	
Di-n-butylphthalate	1200	0	1200	ug/Kg	100				51	128	
Fluoranthene	1200	0	1100	ug/Kg	92				50	127	
Pyrene	1200	0	1100	ug/Kg	92				47	127	
Butylbenzylphthalate	1200	0	1400	ug/Kg	117				48	132	
3,3-Dichlorobenzidine	1200	0	370	ug/Kg	31				22	121	
Benzo(a)anthracene	1200	0	1100	ug/Kg	92				49	126	
Chrysene	1200	0	1100	ug/Kg	92				50	124	
bis(2-Ethylhexyl)phthalate	1200	0	1200	ug/Kg	100				51	133	
Di-n-octyl phthalate	1200	0	1100	ug/Kg	92				45	140	
Benzo(b)fluoranthene	1200	0	1100	ug/Kg	92				45	132	
Benzo(k)fluoranthene	1200	0	1100	ug/Kg	92				47	132	
Benzo(a)pyrene	1200	0	1100	ug/Kg	92				45	129	
Indeno(1,2,3-cd)pyrene	1200	0	1100	ug/Kg	92				45	133	
Dibenz(a,h)anthracene	1200	0	1100	ug/Kg	92				45	134	
Benzo(g,h,i)perylene	1200	0	1100	ug/Kg	92				43	134	
1,2,4,5-Tetrachlorobenzene	1200	0	1100	ug/Kg	92				37	119	
1,4-Dioxane	1200	0	920	ug/Kg	77				70	130	
2,3,4,6-Tetrachlorophenol	1200	0	1000	ug/Kg	83				44	125	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2645 **Analytical Method:** SW8270E

Client: Tetra Tech NUS, Inc. **DataFile:** BF143220.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2649-09MSD		**Client Sample ID: WC-3MSD**									
Benzaldehyde	1200	0	810	ug/Kg	68		6		10	161	20
Phenol	1200	0	1100	ug/Kg	92		10		34	121	20
bis(2-Chloroethyl)ether	1200	0	1000	ug/Kg	83		0		31	120	20
2-Chlorophenol	1200	0	1100	ug/Kg	92		0		34	121	20
2-Methylphenol	1200	0	1100	ug/Kg	92		0		32	122	20
2,2-oxybis(1-Chloropropane)	1200	0	1100	ug/Kg	92		10		33	131	20
Acetophenone	1200	0	1000	ug/Kg	83		0		33	115	20
3+4-Methylphenols	1200	0	1100	ug/Kg	92		10		34	119	20
N-Nitroso-di-n-propylamine	1200	0	1000	ug/Kg	83		0		36	120	20
Hexachloroethane	1200	0	1100	ug/Kg	92		0		28	117	20
Nitrobenzene	1200	0	1100	ug/Kg	92		0		34	122	20
Isophorone	1200	0	1100	ug/Kg	92		10		30	122	20
2-Nitrophenol	1200	0	1200	ug/Kg	100		0		36	123	20
2,4-Dimethylphenol	1200	0	1100	ug/Kg	92		10		30	127	20
bis(2-Chloroethoxy)methane	1200	0	1100	ug/Kg	92		10		36	121	20
2,4-Dichlorophenol	1200	0	1100	ug/Kg	92		0		40	122	20
Naphthalene	1200	0	1100	ug/Kg	92		10		35	123	20
4-Chloroaniline	1200	0	190	ug/Kg	16	*	21	*	17	106	20
Hexachlorobutadiene	1200	0	1100	ug/Kg	92		0		32	123	20
Caprolactam	1200	0	1200	ug/Kg	100		0		46	117	20
4-Chloro-3-methylphenol	1200	0	1100	ug/Kg	92		0		45	122	20
2-Methylnaphthalene	1200	0	1100	ug/Kg	92		0		38	122	20
Hexachlorocyclopentadiene	2500	0	2100	ug/Kg	84		5		43	112	20
2,4,6-Trichlorophenol	1200	0	1000	ug/Kg	83		10		39	126	20
2,4,5-Trichlorophenol	1200	0	1100	ug/Kg	92		0		41	124	20
1,1-Biphenyl	1200	0	1100	ug/Kg	92		0		40	117	20
2-Chloronaphthalene	1200	0	1000	ug/Kg	83		10		41	114	20
2-Nitroaniline	1200	0	1200	ug/Kg	100		8		44	127	20
Dimethylphthalate	1200	0	1100	ug/Kg	92		0		48	124	20
Acenaphthylene	1200	0	1100	ug/Kg	92		0		32	132	20
2,6-Dinitrotoluene	1200	0	1200	ug/Kg	100		0		46	124	20
3-Nitroaniline	1200	0	550	ug/Kg	46		2		33	119	20
Acenaphthene	1200	0	1200	ug/Kg	100		0		40	123	20
2,4-Dinitrophenol	2500	0	2800	ug/Kg	112		4		15	130	20
4-Nitrophenol	2500	0	2300	ug/Kg	92		0		30	132	20
Dibenzofuran	1200	0	1100	ug/Kg	92		0		44	120	20
2,4-Dinitrotoluene	1200	0	1300	ug/Kg	108		0		48	126	20
Diethylphthalate	1200	0	1100	ug/Kg	92		0		50	124	20
4-Chlorophenyl-phenylether	1200	0	1100	ug/Kg	92		0		45	121	20
Fluorene	1200	0	1100	ug/Kg	92		0		43	125	20
4-Nitroaniline	1200	0	1200	ug/Kg	100		0		35	115	20
4,6-Dinitro-2-methylphenol	1200	0	1300	ug/Kg	108		0		29	132	20
N-Nitrosodiphenylamine	1200	0	1000	ug/Kg	83		0		38	127	20
4-Bromophenyl-phenylether	1200	0	1100	ug/Kg	92		0		46	124	20
Hexachlorobenzene	1200	0	1000	ug/Kg	83		10		45	122	20
Atrazine	1200	0	1200	ug/Kg	100		0		47	127	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2645 **Analytical Method:** SW8270E

Client: Tetra Tech NUS, Inc. **DataFile:** BF143220.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	2500	0	1600	ug/Kg	64	0			25	133	20
Phenanthrene	1200	0	1000	ug/Kg	83	0			50	121	20
Anthracene	1200	0	1000	ug/Kg	83	0			47	123	20
Carbazole	1200	0	1100	ug/Kg	92	0			50	123	20
Di-n-butylphthalate	1200	0	1200	ug/Kg	100	0			51	128	20
Fluoranthene	1200	0	1100	ug/Kg	92	0			50	127	20
Pyrene	1200	0	1100	ug/Kg	92	0			47	127	20
Butylbenzylphthalate	1200	0	1400	ug/Kg	117	0			48	132	20
3,3-Dichlorobenzidine	1200	0	370	ug/Kg	31	0			22	121	20
Benzo(a)anthracene	1200	0	1100	ug/Kg	92	0			49	126	20
Chrysene	1200	0	1100	ug/Kg	92	0			50	124	20
bis(2-Ethylhexyl)phthalate	1200	0	1200	ug/Kg	100	0			51	133	20
Di-n-octyl phthalate	1200	0	1100	ug/Kg	92	0			45	140	20
Benzo(b)fluoranthene	1200	0	1100	ug/Kg	92	0			45	132	20
Benzo(k)fluoranthene	1200	0	1100	ug/Kg	92	0			47	132	20
Benzo(a)pyrene	1200	0	1100	ug/Kg	92	0			45	129	20
Indeno(1,2,3-cd)pyrene	1200	0	1100	ug/Kg	92	0			45	133	20
Dibenz(a,h)anthracene	1200	0	1100	ug/Kg	92	0			45	134	20
Benzo(g,h,i)perylene	1200	0	1100	ug/Kg	92	0			43	134	20
1,2,4,5-Tetrachlorobenzene	1200	0	1000	ug/Kg	83	10			37	119	20
1,4-Dioxane	1200	0	910	ug/Kg	76	1			70	130	20
2,3,4,6-Tetrachlorophenol	1200	0	1000	ug/Kg	83	0			44	125	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2645 **Analytical Method:** 8270E

Client: Tetra Tech NUS, Inc. **DataFile:** BF143215.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168948BS	Benzaldehyde	1700	1100	ug/Kg	65				10	161	
	Phenol	1700	1400	ug/Kg	82				34	121	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				31	120	
	2-Chlorophenol	1700	1500	ug/Kg	88				34	121	
	2-Methylphenol	1700	1500	ug/Kg	88				32	122	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				33	131	
	Acetophenone	1700	1400	ug/Kg	82				33	115	
	3+4-Methylphenols	1700	1500	ug/Kg	88				34	119	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				36	120	
	Hexachloroethane	1700	1500	ug/Kg	88				28	117	
	Nitrobenzene	1700	1500	ug/Kg	88				34	122	
	Isophorone	1700	1500	ug/Kg	88				30	122	
	2-Nitrophenol	1700	1700	ug/Kg	100				36	123	
	2,4-Dimethylphenol	1700	1400	ug/Kg	82				30	127	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				36	121	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				40	122	
	Naphthalene	1700	1500	ug/Kg	88				35	123	
	4-Chloroaniline	1700	660	ug/Kg	39				17	106	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				32	123	
	Caprolactam	1700	1700	ug/Kg	100				46	117	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				45	122	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				38	122	
	Hexachlorocyclopentadiene	3300	3100	ug/Kg	94				43	112	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				39	126	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				41	124	
	1,1-Biphenyl	1700	1500	ug/Kg	88				40	117	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				41	114	
	2-Nitroaniline	1700	1600	ug/Kg	94				44	127	
	Dimethylphthalate	1700	1500	ug/Kg	88				48	124	
	Acenaphthylene	1700	1500	ug/Kg	88				32	132	
	2,6-Dinitrotoluene	1700	1700	ug/Kg	100				46	124	
	3-Nitroaniline	1700	1100	ug/Kg	65				33	119	
	Acenaphthene	1700	1600	ug/Kg	94				40	123	
	2,4-Dinitrophenol	3300	3700	ug/Kg	112				15	130	
	4-Nitrophenol	3300	3100	ug/Kg	94				30	132	
	Dibenzofuran	1700	1500	ug/Kg	88				44	120	
	2,4-Dinitrotoluene	1700	1800	ug/Kg	106				48	126	
	Diethylphthalate	1700	1600	ug/Kg	94				50	124	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				45	121	
	Fluorene	1700	1500	ug/Kg	88				43	125	
	4-Nitroaniline	1700	1700	ug/Kg	100				35	115	
	4,6-Dinitro-2-methylphenol	1700	1700	ug/Kg	100				29	132	
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				38	127	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				46	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2645 **Analytical Method:** 8270E

Client: Tetra Tech NUS, Inc. **DataFile:** BF143215.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168948BS	Hexachlorobenzene	1700	1500	ug/Kg	88				45	122	
	Atrazine	1700	1700	ug/Kg	100				47	127	
	Pentachlorophenol	3300	2100	ug/Kg	64				25	133	
	Phenanthrene	1700	1500	ug/Kg	88				50	121	
	Anthracene	1700	1500	ug/Kg	88				47	123	
	Carbazole	1700	1500	ug/Kg	88				50	123	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				51	128	
	Fluoranthene	1700	1500	ug/Kg	88				50	127	
	Pyrene	1700	1600	ug/Kg	94				47	127	
	Butylbenzylphthalate	1700	2000	ug/Kg	118				48	132	
	3,3-Dichlorobenzidine	1700	840	ug/Kg	49				22	121	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				49	126	
	Chrysene	1700	1500	ug/Kg	88				50	124	
	bis(2-Ethylhexyl)phthalate	1700	1700	ug/Kg	100				51	133	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				45	140	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				45	132	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				47	132	
	Benzo(a)pyrene	1700	1500	ug/Kg	88				45	129	
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				45	133	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				45	134	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				43	134	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				37	119	
	1,4-Dioxane	1700	1200	ug/Kg	71				70	130	
	2,3,4,6-Tetrachlorophenol	1700	1400	ug/Kg	82				44	125	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB168948BL

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG NO.: Q2645

Lab File ID: BF143214.D | Lab Sample ID: PB168948BL

Instrument ID: BNA_F | Date Extracted: 07/22/2025

Matrix: (soil/water) SOIL | Date Analyzed: 07/23/2025

Level: (low/med) LOW | Time Analyzed: 16:30

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168948BS	PB168948BS	BF143215.D	07/23/2025
RW5B-CARBON-20250716	Q2645-02	BF143216.D	07/23/2025
WC-3MS	Q2649-09MS	BF143219.D	07/23/2025
WC-3MSD	Q2649-09MSD	BF143220.D	07/23/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q2645

Lab File ID: BF143138.D DFTPP Injection Date: 07/17/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:58

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.5) 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	6.8
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	79.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.5) 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	BF143140.D	07/17/2025	11:04
SSTDICC005	SSTDICC005	BF143141.D	07/17/2025	11:34
SSTDICC010	SSTDICC010	BF143142.D	07/17/2025	12:04
SSTDICC020	SSTDICC020	BF143143.D	07/17/2025	12:34
SSTDICCC040	SSTDICCC040	BF143144.D	07/17/2025	13:03
SSTDICC050	SSTDICC050	BF143145.D	07/17/2025	13:33
SSTDICC060	SSTDICC060	BF143146.D	07/17/2025	14:04
SSTDICC080	SSTDICC080	BF143147.D	07/17/2025	14:34

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG NO.: Q2645

Lab File ID: BF143209.D DFTPP Injection Date: 07/23/2025

Instrument ID: BNA_F DFTPP Injection Time: 13:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.6) 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	6.7
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	78.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 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	BF143210.D	07/23/2025	14:33
PB168948BL	PB168948BL	BF143214.D	07/23/2025	16:30
PB168948BS	PB168948BS	BF143215.D	07/23/2025	16:59
RW5B-CARBON-20250716	Q2645-02	BF143216.D	07/23/2025	17:28
WC-3MS	Q2649-09MS	BF143219.D	07/23/2025	18:56
WC-3MSD	Q2649-09MSD	BF143220.D	07/23/2025	19:25
SSTDCCC040EC	SSTDCCC040	BF143221.D	07/23/2025	19:54

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2645

Client ID : SSTDCCC040 Date Analyzed: 07/23/2025

Lab File ID: BF143210.D Time Analyzed: 14:33

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	97351	6.963	364498	8.25	187438	10.00
	UPPER LIMIT	194702	7.463	728996	8.745	374876	10.498
	LOWER LIMIT	48675.5	6.463	182249	7.745	93719	9.498
	EPA SAMPLE NO.						
01	PB168948BL	130534	6.96	502795	8.24	278326	10.00
02	PB168948BS	126300	6.96	493438	8.25	259875	10.00
03	RW5B-CARBON-20250716	123339	6.96	475879	8.24	255682	10.00
04	WC-3MS	129050	6.96	500596	8.25	258431	10.00
05	WC-3MSD	123942	6.96	487638	8.25	259548	10.00

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.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2645

Client ID: SSTDCCC040 Date Analyzed: 07/23/2025

Lab File ID: BF143210.D Time Analyzed: 14:33

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	309922	11.486	228057	14.121	245226	15.627
	UPPER LIMIT	619844	11.986	456114	14.621	490452	16.127
	LOWER LIMIT	154961	10.986	114029	13.621	122613	15.127
	EPA SAMPLE NO.						
01	PB168948BL	500788	11.49	303819	14.12	276240	15.62
02	PB168948BS	435477	11.49	244161	14.13	257113	15.63
03	RW5B-CARBON-20250716	430196	11.48	262836	14.12	258643	15.62
04	WC-3MS	430420	11.49	253028	14.12	273066	15.63
05	WC-3MSD	437619	11.49	254287	14.12	273112	15.63

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
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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB168948BL	SDG No.:	Q2645
Lab Sample ID:	PB168948BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143214.D	1	07/22/25 10:05	07/23/25 16:30	PB168948

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	270	U	160	270	330	ug/Kg
108-95-2	Phenol	130	U	22.1	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	24.3	130	170	ug/Kg
95-57-8	2-Chlorophenol	130	U	24.4	130	170	ug/Kg
95-48-7	2-Methylphenol	130	U	29.9	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	37.5	130	170	ug/Kg
98-86-2	Acetophenone	130	U	29.5	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	270	U	41.1	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	79.9	U	47.4	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	130	U	17.6	130	170	ug/Kg
98-95-3	Nitrobenzene	130	U	18.3	130	170	ug/Kg
78-59-1	Isophorone	130	U	32.8	130	170	ug/Kg
88-75-5	2-Nitrophenol	130	U	58.1	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	130	U	64.7	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	30.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	130	U	28.3	130	170	ug/Kg
91-20-3	Naphthalene	130	U	22.7	130	170	ug/Kg
106-47-8	4-Chloroaniline	130	U	35.4	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	130	U	25.3	130	170	ug/Kg
105-60-2	Caprolactam	270	U	52.0	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	130	U	28.7	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	130	U	25.6	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	U	120	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	130	U	19.8	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	130	U	29.1	130	170	ug/Kg
92-52-4	1,1-Biphenyl	130	U	21.8	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	130	U	22.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	130	U	48.1	130	170	ug/Kg
131-11-3	Dimethylphthalate	130	U	27.1	130	170	ug/Kg

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB168948BL	SDG No.:	Q2645
Lab Sample ID:	PB168948BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143214.D	1	07/22/25 10:05	07/23/25 16:30	PB168948

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	130	U	28.9	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	130	U	33.6	130	170	ug/Kg
99-09-2	3-Nitroaniline	130	U	46.0	130	170	ug/Kg
83-32-9	Acenaphthene	130	U	21.3	130	170	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	230	270	330	ug/Kg
100-02-7	4-Nitrophenol	270	U	110	270	330	ug/Kg
132-64-9	Dibenzofuran	130	U	22.7	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	130	U	50.0	130	170	ug/Kg
84-66-2	Diethylphthalate	130	U	28.3	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	130	U	26.7	130	170	ug/Kg
86-73-7	Fluorene	130	U	25.3	130	170	ug/Kg
100-01-6	4-Nitroaniline	130	U	64.1	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	270	U	100	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	130	U	32.9	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	130	U	27.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	130	U	25.3	130	170	ug/Kg
1912-24-9	Atrazine	130	U	34.0	130	170	ug/Kg
87-86-5	Pentachlorophenol	270	U	51.2	270	330	ug/Kg
85-01-8	Phenanthrene	130	U	20.9	130	170	ug/Kg
120-12-7	Anthracene	130	U	33.3	130	170	ug/Kg
86-74-8	Carbazole	130	U	31.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	47.9	130	170	ug/Kg
206-44-0	Fluoranthene	130	U	30.0	130	170	ug/Kg
129-00-0	Pyrene	130	U	36.0	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	71.3	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	270	U	36.7	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	130	U	23.0	130	170	ug/Kg
218-01-9	Chrysene	130	U	19.9	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	59.1	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	270	U	86.7	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	130	U	19.0	130	170	ug/Kg

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB168948BL	SDG No.:	Q2645
Lab Sample ID:	PB168948BL	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143214.D	1	07/22/25 10:05	07/23/25 16:30	PB168948

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	130	U	22.4	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	130	U	29.5	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	130	U	29.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	130	U	27.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	U	25.7	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	130	U	25.6	130	170	ug/Kg
123-91-1	1,4-Dioxane	130	U	45.2	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	130	U	27.4	130	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	115		35 - 115		77%	SPK: 150
13127-88-3	Phenol-d6	116		34 - 127		77%	SPK: 150
4165-60-0	Nitrobenzene-d5	79.9		37 - 122		80%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.8		44 - 115		75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	125		39 - 132		83%	SPK: 150
1718-51-0	Terphenyl-d14	80.0		54 - 127		80%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	131000	6.963				
1146-65-2	Naphthalene-d8	503000	8.239				
15067-26-2	Acenaphthene-d10	278000	9.998				
1517-22-2	Phenanthrene-d10	501000	11.486				
1719-03-5	Chrysene-d12	304000	14.121				
1520-96-3	Perylene-d12	276000	15.621				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	350	A			5.22	ug/Kg

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Report of Analysis

Client:	Tetra Tech NUS, Inc.			Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13			Date Received:	
Client Sample ID:	PB168948BL			SDG No.:	Q2645
Lab Sample ID:	PB168948BL			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	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 :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143214.D	1	07/22/25 10:05	07/23/25 16:30	PB168948

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)

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

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB168948BS	SDG No.:	Q2645
Lab Sample ID:	PB168948BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143215.D	1	07/22/25 10:05	07/23/25 16:59	PB168948

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	1100		160	270	330	ug/Kg
108-95-2	Phenol	1400		22.1	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		24.3	130	170	ug/Kg
95-57-8	2-Chlorophenol	1500		24.4	130	170	ug/Kg
95-48-7	2-Methylphenol	1500		29.9	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		37.5	130	170	ug/Kg
98-86-2	Acetophenone	1400		29.5	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1500		41.1	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		47.4	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1500		17.6	130	170	ug/Kg
98-95-3	Nitrobenzene	1500		18.3	130	170	ug/Kg
78-59-1	Isophorone	1500		32.8	130	170	ug/Kg
88-75-5	2-Nitrophenol	1700		58.2	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1400		64.8	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		30.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		28.3	130	170	ug/Kg
91-20-3	Naphthalene	1500		22.7	130	170	ug/Kg
106-47-8	4-Chloroaniline	660		35.4	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		25.3	130	170	ug/Kg
105-60-2	Caprolactam	1700		52.1	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		28.7	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		25.6	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3100	E	120	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		19.8	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		29.1	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		21.8	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		22.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	1600		48.1	130	170	ug/Kg
131-11-3	Dimethylphthalate	1500		27.1	130	170	ug/Kg

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB168948BS	SDG No.:	Q2645
Lab Sample ID:	PB168948BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143215.D	1	07/22/25 10:05	07/23/25 16:59	PB168948

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1500		28.9	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1700		33.6	130	170	ug/Kg
99-09-2	3-Nitroaniline	1100		46.0	130	170	ug/Kg
83-32-9	Acenaphthene	1600		21.3	130	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3700	E	230	270	330	ug/Kg
100-02-7	4-Nitrophenol	3100	E	110	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		22.7	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1800		50.1	130	170	ug/Kg
84-66-2	Diethylphthalate	1600		28.3	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		26.7	130	170	ug/Kg
86-73-7	Fluorene	1500		25.3	130	170	ug/Kg
100-01-6	4-Nitroaniline	1700		64.2	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		100	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		32.9	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		27.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		25.3	130	170	ug/Kg
1912-24-9	Atrazine	1700		34.0	130	170	ug/Kg
87-86-5	Pentachlorophenol	2100		51.3	270	330	ug/Kg
85-01-8	Phenanthrene	1500		20.9	130	170	ug/Kg
120-12-7	Anthracene	1500		33.3	130	170	ug/Kg
86-74-8	Carbazole	1500		31.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		47.9	130	170	ug/Kg
206-44-0	Fluoranthene	1500		30.0	130	170	ug/Kg
129-00-0	Pyrene	1600		36.0	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	2000		71.4	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	840		36.7	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		23.0	130	170	ug/Kg
218-01-9	Chrysene	1500		19.9	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		59.2	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		86.7	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		19.0	130	170	ug/Kg

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB168948BS	SDG No.:	Q2645
Lab Sample ID:	PB168948BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143215.D	1	07/22/25 10:05	07/23/25 16:59	PB168948

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1600		22.4	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1500		29.5	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		29.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		27.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		25.7	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		25.6	130	170	ug/Kg
123-91-1	1,4-Dioxane	1200		45.2	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1400		27.4	130	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	116		35 - 115		77%	SPK: 150
13127-88-3	Phenol-d6	118		34 - 127		79%	SPK: 150
4165-60-0	Nitrobenzene-d5	85.0		37 - 122		85%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.7		44 - 115		79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	131		39 - 132		87%	SPK: 150
1718-51-0	Terphenyl-d14	85.7		54 - 127		86%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	126000	6.963				
1146-65-2	Naphthalene-d8	493000	8.245				
15067-26-2	Acenaphthene-d10	260000	10.004				
1517-22-2	Phenanthrene-d10	435000	11.486				
1719-03-5	Chrysene-d12	244000	14.127				
1520-96-3	Perylene-d12	257000	15.627				

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

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/18/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/18/25
Client Sample ID:	WC-3MS	SDG No.:	Q2645
Lab Sample ID:	Q2649-09MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.9
Sample Wt/Vol:	50.02 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143219.D	1	07/22/25 10:05	07/23/25 18:56	PB168948

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	770		120	200	240	ug/Kg
108-95-2	Phenol	1000		16.4	96.4	130	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1000		18.0	96.4	130	ug/Kg
95-57-8	2-Chlorophenol	1100		18.1	96.4	130	ug/Kg
95-48-7	2-Methylphenol	1100		22.2	96.4	130	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		27.8	96.4	130	ug/Kg
98-86-2	Acetophenone	1000		21.9	96.4	130	ug/Kg
65794-96-9	3+4-Methylphenols	1000		30.5	200	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1000		35.1	59.3	59.3	ug/Kg
67-72-1	Hexachloroethane	1100		13.0	96.4	130	ug/Kg
98-95-3	Nitrobenzene	1100		13.6	96.4	130	ug/Kg
78-59-1	Isophorone	1000		24.3	96.4	130	ug/Kg
88-75-5	2-Nitrophenol	1200		43.1	96.4	130	ug/Kg
105-67-9	2,4-Dimethylphenol	1000		48.0	96.4	130	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1000		22.8	96.4	130	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		21.0	96.4	130	ug/Kg
91-20-3	Naphthalene	1000		16.8	96.4	130	ug/Kg
106-47-8	4-Chloroaniline	160		26.2	96.4	130	ug/Kg
87-68-3	Hexachlorobutadiene	1100		18.8	96.4	130	ug/Kg
105-60-2	Caprolactam	1200		38.6	200	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		21.3	96.4	130	ug/Kg
91-57-6	2-Methylnaphthalene	1100		19.0	96.4	130	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2200	E	86.0	200	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		14.7	96.4	130	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100		21.6	96.4	130	ug/Kg
92-52-4	1,1-Biphenyl	1100		16.2	96.4	130	ug/Kg
91-58-7	2-Chloronaphthalene	1100		16.7	96.4	130	ug/Kg
88-74-4	2-Nitroaniline	1100		35.7	96.4	130	ug/Kg
131-11-3	Dimethylphthalate	1100		20.1	96.4	130	ug/Kg

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/18/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/18/25
Client Sample ID:	WC-3MS	SDG No.:	Q2645
Lab Sample ID:	Q2649-09MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.9
Sample Wt/Vol:	50.02 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143219.D	1	07/22/25 10:05	07/23/25 18:56	PB168948

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1100		21.4	96.4	130	ug/Kg
606-20-2	2,6-Dinitrotoluene	1200		24.9	96.4	130	ug/Kg
99-09-2	3-Nitroaniline	540		34.1	96.4	130	ug/Kg
83-32-9	Acenaphthene	1200		15.8	96.4	130	ug/Kg
51-28-5	2,4-Dinitrophenol	2700	E	170	200	240	ug/Kg
100-02-7	4-Nitrophenol	2300	E	79.3	200	240	ug/Kg
132-64-9	Dibenzofuran	1100		16.8	96.4	130	ug/Kg
121-14-2	2,4-Dinitrotoluene	1300		37.1	96.4	130	ug/Kg
84-66-2	Diethylphthalate	1100		21.0	96.4	130	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		19.8	96.4	130	ug/Kg
86-73-7	Fluorene	1100		18.8	96.4	130	ug/Kg
100-01-6	4-Nitroaniline	1200		47.6	96.4	130	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1300		76.4	200	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1000		24.4	96.4	130	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		20.6	96.4	130	ug/Kg
118-74-1	Hexachlorobenzene	1100		18.8	96.4	130	ug/Kg
1912-24-9	Atrazine	1200		25.2	96.4	130	ug/Kg
87-86-5	Pentachlorophenol	1600		38.0	200	240	ug/Kg
85-01-8	Phenanthrene	1000		15.5	96.4	130	ug/Kg
120-12-7	Anthracene	1000		24.7	96.4	130	ug/Kg
86-74-8	Carbazole	1100		23.1	96.4	130	ug/Kg
84-74-2	Di-n-butylphthalate	1200		35.5	96.4	130	ug/Kg
206-44-0	Fluoranthene	1100		22.2	96.4	130	ug/Kg
129-00-0	Pyrene	1100		26.7	96.4	130	ug/Kg
85-68-7	Butylbenzylphthalate	1400		52.9	96.4	130	ug/Kg
91-94-1	3,3-Dichlorobenzidine	370		27.2	200	240	ug/Kg
56-55-3	Benzo(a)anthracene	1100		17.1	96.4	130	ug/Kg
218-01-9	Chrysene	1100		14.8	96.4	130	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1200		43.9	96.4	130	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		64.4	200	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		14.1	96.4	130	ug/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/18/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/18/25
Client Sample ID:	WC-3MS	SDG No.:	Q2645
Lab Sample ID:	Q2649-09MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.9
Sample Wt/Vol:	50.02 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143219.D	1	07/22/25 10:05	07/23/25 18:56	PB168948

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1100		16.6	96.4	130	ug/Kg
50-32-8	Benzo(a)pyrene	1100		21.9	96.4	130	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		21.6	96.4	130	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100		20.3	96.4	130	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1100		19.1	96.4	130	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		19.0	96.4	130	ug/Kg
123-91-1	1,4-Dioxane	920		33.5	96.4	130	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		20.3	96.4	130	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	81.7		35 - 115		54%	SPK: 150
13127-88-3	Phenol-d6	89.3		34 - 127		60%	SPK: 150
4165-60-0	Nitrobenzene-d5	58.8		37 - 122		59%	SPK: 100
321-60-8	2-Fluorobiphenyl	54.3		44 - 115		54%	SPK: 100
118-79-6	2,4,6-Tribromophenol	92.4		39 - 132		62%	SPK: 150
1718-51-0	Terphenyl-d14	56.4		54 - 127		56%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	129000	6.963				
1146-65-2	Naphthalene-d8	501000	8.245				
15067-26-2	Acenaphthene-d10	258000	9.998				
1517-22-2	Phenanthrene-d10	430000	11.486				
1719-03-5	Chrysene-d12	253000	14.121				
1520-96-3	Perylene-d12	273000	15.627				

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

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/18/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/18/25
Client Sample ID:	WC-3MSD	SDG No.:	Q2645
Lab Sample ID:	Q2649-09MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.9
Sample Wt/Vol:	50.05 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143220.D	1	07/22/25 10:05	07/23/25 19:25	PB168948

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
100-52-7	Benzaldehyde	810		120	200	240	ug/Kg
108-95-2	Phenol	1100		16.4	96.3	130	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1000		18.0	96.3	130	ug/Kg
95-57-8	2-Chlorophenol	1100		18.1	96.3	130	ug/Kg
95-48-7	2-Methylphenol	1100		22.2	96.3	130	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		27.8	96.3	130	ug/Kg
98-86-2	Acetophenone	1000		21.9	96.3	130	ug/Kg
65794-96-9	3+4-Methylphenols	1100		30.5	200	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1000		35.1	59.3	59.3	ug/Kg
67-72-1	Hexachloroethane	1100		13.0	96.3	130	ug/Kg
98-95-3	Nitrobenzene	1100		13.6	96.3	130	ug/Kg
78-59-1	Isophorone	1100		24.3	96.3	130	ug/Kg
88-75-5	2-Nitrophenol	1200		43.1	96.3	130	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		48.0	96.3	130	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		22.8	96.3	130	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		21.0	96.3	130	ug/Kg
91-20-3	Naphthalene	1100		16.8	96.3	130	ug/Kg
106-47-8	4-Chloroaniline	190		26.2	96.3	130	ug/Kg
87-68-3	Hexachlorobutadiene	1100		18.7	96.3	130	ug/Kg
105-60-2	Caprolactam	1200		38.6	200	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		21.3	96.3	130	ug/Kg
91-57-6	2-Methylnaphthalene	1100		19.0	96.3	130	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2100	E	85.9	200	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		14.7	96.3	130	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100		21.6	96.3	130	ug/Kg
92-52-4	1,1-Biphenyl	1100		16.2	96.3	130	ug/Kg
91-58-7	2-Chloronaphthalene	1000		16.7	96.3	130	ug/Kg
88-74-4	2-Nitroaniline	1200		35.6	96.3	130	ug/Kg
131-11-3	Dimethylphthalate	1100		20.1	96.3	130	ug/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/18/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/18/25
Client Sample ID:	WC-3MSD	SDG No.:	Q2645
Lab Sample ID:	Q2649-09MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.9
Sample Wt/Vol:	50.05 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143220.D	1	07/22/25 10:05	07/23/25 19:25	PB168948

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1100		21.4	96.3	130	ug/Kg
606-20-2	2,6-Dinitrotoluene	1200		24.9	96.3	130	ug/Kg
99-09-2	3-Nitroaniline	550		34.1	96.3	130	ug/Kg
83-32-9	Acenaphthene	1200		15.8	96.3	130	ug/Kg
51-28-5	2,4-Dinitrophenol	2800	E	170	200	240	ug/Kg
100-02-7	4-Nitrophenol	2300	E	79.3	200	240	ug/Kg
132-64-9	Dibenzofuran	1100		16.8	96.3	130	ug/Kg
121-14-2	2,4-Dinitrotoluene	1300		37.1	96.3	130	ug/Kg
84-66-2	Diethylphthalate	1100		21.0	96.3	130	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		19.8	96.3	130	ug/Kg
86-73-7	Fluorene	1100		18.7	96.3	130	ug/Kg
100-01-6	4-Nitroaniline	1200		47.6	96.3	130	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1300		76.3	200	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1000		24.4	96.3	130	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		20.6	96.3	130	ug/Kg
118-74-1	Hexachlorobenzene	1000		18.7	96.3	130	ug/Kg
1912-24-9	Atrazine	1200		25.2	96.3	130	ug/Kg
87-86-5	Pentachlorophenol	1600		38.0	200	240	ug/Kg
85-01-8	Phenanthrene	1000		15.5	96.3	130	ug/Kg
120-12-7	Anthracene	1000		24.7	96.3	130	ug/Kg
86-74-8	Carbazole	1100		23.1	96.3	130	ug/Kg
84-74-2	Di-n-butylphthalate	1200		35.5	96.3	130	ug/Kg
206-44-0	Fluoranthene	1100		22.2	96.3	130	ug/Kg
129-00-0	Pyrene	1100		26.7	96.3	130	ug/Kg
85-68-7	Butylbenzylphthalate	1400		52.9	96.3	130	ug/Kg
91-94-1	3,3-Dichlorobenzidine	370		27.2	200	240	ug/Kg
56-55-3	Benzo(a)anthracene	1100		17.0	96.3	130	ug/Kg
218-01-9	Chrysene	1100		14.7	96.3	130	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1200		43.9	96.3	130	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		64.3	200	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		14.1	96.3	130	ug/Kg

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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:	07/18/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/18/25
Client Sample ID:	WC-3MSD	SDG No.:	Q2645
Lab Sample ID:	Q2649-09MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.9
Sample Wt/Vol:	50.05 Units: g	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 :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143220.D	1	07/22/25 10:05	07/23/25 19:25	PB168948

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1100		16.6	96.3	130	ug/Kg
50-32-8	Benzo(a)pyrene	1100		21.9	96.3	130	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		21.6	96.3	130	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100		20.3	96.3	130	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1100		19.0	96.3	130	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		19.0	96.3	130	ug/Kg
123-91-1	1,4-Dioxane	910		33.5	96.3	130	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		20.3	96.3	130	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	83.8		35 - 115		56%	SPK: 150
13127-88-3	Phenol-d6	92.0		34 - 127		61%	SPK: 150
4165-60-0	Nitrobenzene-d5	63.6		37 - 122		64%	SPK: 100
321-60-8	2-Fluorobiphenyl	54.0		44 - 115		54%	SPK: 100
118-79-6	2,4,6-Tribromophenol	92.4		39 - 132		62%	SPK: 150
1718-51-0	Terphenyl-d14	57.8		54 - 127		58%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	124000	6.963				
1146-65-2	Naphthalene-d8	488000	8.245				
15067-26-2	Acenaphthene-d10	260000	9.998				
1517-22-2	Phenanthrene-d10	438000	11.486				
1719-03-5	Chrysene-d12	254000	14.121				
1520-96-3	Perylene-d12	273000	15.627				

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_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF071725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Jul 17 15:14:05 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF143140.D 5 =BF143141.D 10 =BF143142.D 20 =BF143143.D 40 =BF143144.D 50 =BF143145.D 60 =BF143146.D 80 =BF1431
47.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.622	0.582	0.614	0.600	0.625	0.584	0.558	0.598	4.09
3)		Pyridine		1.631	1.557	1.551	1.530	1.618	1.525	1.452	1.552	3.88
4)		n-Nitrosodimet...			0.776	0.799	0.810	0.851	0.804	0.768	0.801	3.66
5)	S	2-Fluorophenol		1.385	1.313	1.319	1.231	1.284	1.194	1.121	1.264	7.00
6)		Aniline		2.334	2.259	2.273	2.204	2.292	2.139	2.018	2.217	4.86
7)	S	Phenol-d6		1.733	1.640	1.657	1.554	1.632	1.506	1.413	1.591	6.72
8)		2-Chlorophenol		1.391	1.343	1.371	1.310	1.369	1.284	1.205	1.325	4.87
9)		Benzaldehyde			1.167	1.163	1.443	1.411	1.122	0.851	1.193	18.13
10)	C	Phenol		1.882	1.767	1.776	1.711	1.788	1.675	1.531	1.733	6.37
11)		bis(2-Chloroet...		1.419	1.343	1.379	1.303	1.361	1.281	1.203	1.327	5.40
12)		1,3-Dichlorobe...		1.572	1.513	1.494	1.401	1.466	1.362	1.266	1.439	7.18
13)	C	1,4-Dichlorobe...		1.602	1.518	1.502	1.418	1.473	1.357	1.275	1.449	7.52
14)		1,2-Dichlorobe...		1.509	1.413	1.445	1.343	1.413	1.303	1.223	1.378	6.96
15)		Benzyl Alcohol			1.214	1.246	1.215	1.278	1.193	1.141	1.215	3.85
16)		2,2'-oxybis(1-...		2.670	2.553	2.545	2.421	2.517	2.343	2.182	2.461	6.55
17)		2-Methylphenol		1.178	1.111	1.141	1.097	1.160	1.084	1.026	1.114	4.61
18)		Hexachloroethane		0.522	0.498	0.522	0.495	0.525	0.491	0.460	0.502	4.68
19)	P	n-Nitroso-di-n...	1.101	1.111	1.051	1.028	0.986	1.023	0.953	0.912	1.021	6.76
20)		3+4-Methylphenols			1.467	1.469	1.341	1.402	1.268	1.162	1.351	8.95
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.527	0.504	0.501	0.455	0.476	0.442	0.409	0.474	8.65
23)	S	Nitrobenzene-d5		0.407	0.394	0.417	0.399	0.417	0.397	0.378	0.401	3.47
24)		Nitrobenzene		0.380	0.370	0.388	0.375	0.388	0.373	0.345	0.374	3.88
25)		Isophorone		0.748	0.707	0.711	0.692	0.734	0.699	0.667	0.708	3.75
26)	C	2-Nitrophenol		0.133	0.141	0.164	0.172	0.182	0.177	0.168	0.162	11.25
27)		2,4-Dimethylph...		0.356	0.340	0.341	0.324	0.338	0.319	0.298	0.331	5.70
28)		bis(2-Chloroet...		0.463	0.437	0.442	0.413	0.430	0.405	0.383	0.425	6.28
29)	C	2,4-Dichloroph...		0.292	0.282	0.287	0.276	0.289	0.271	0.256	0.279	4.44
30)		1,2,4-Trichlor...		0.329	0.307	0.318	0.294	0.303	0.290	0.270	0.302	6.43
31)		Naphthalene		1.118	1.038	1.032	0.954	0.986	0.916	0.851	0.985	8.91
32)		Benzoic acid			0.104	0.149	0.180	0.197	0.187	0.194	0.169	21.36
33)		4-Chloroaniline		0.437	0.417	0.419	0.390	0.408	0.383	0.361	0.402	6.33
34)	C	Hexachlorobuta...		0.193	0.190	0.191	0.181	0.188	0.179	0.169	0.184	4.59
35)		Caprolactam			0.078	0.084	0.087	0.091	0.085	0.082	0.084	5.35
36)	C	4-Chloro-3-met...		0.319	0.310	0.307	0.301	0.311	0.294	0.282	0.303	4.04
37)		2-Methylnaphth...		0.667	0.634	0.628	0.580	0.603	0.561	0.522	0.599	8.17
38)		1-Methylnaphth...		0.682	0.652	0.650	0.599	0.621	0.579	0.537	0.617	8.05

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF071725.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.638	0.598	0.601	0.550	0.582	0.558	0.515	0.577	6.93
41)	P	Hexachlorocycl...		0.337	0.373	0.373	0.404	0.393	0.374	0.376	6.14
42)	S	2,4,6-Tribromo...	0.200	0.202	0.212	0.210	0.218	0.206	0.198	0.207	3.55
43)	C	2,4,6-Trichlor...	0.391	0.406	0.412	0.384	0.429	0.401	0.374	0.400	4.63
44)		2,4,5-Trichlor...	0.404	0.387	0.411	0.405	0.411	0.395	0.384	0.400	2.76
45)	S	2-Fluorobiphenyl	1.761	1.644	1.547	1.358	1.414	1.323	1.190	1.462	13.58
46)		1,1'-Biphenyl	1.748	1.667	1.640	1.489	1.553	1.472	1.353	1.560	8.62
47)		2-Chloronaphth...	1.268	1.223	1.192	1.103	1.166	1.104	1.026	1.155	7.14
48)		2-Nitroaniline	0.305	0.333	0.372	0.377	0.396	0.386	0.366	0.362	8.85
49)		Acenaphthylene	2.134	2.052	2.011	1.860	1.958	1.834	1.694	1.935	7.71
50)		Dimethylphthalate	1.422	1.340	1.340	1.279	1.325	1.251	1.169	1.304	6.16
51)		2,6-Dinitrotol...	0.225	0.250	0.272	0.278	0.289	0.277	0.266	0.265	8.14
52)	C	Acenaphthene	1.278	1.194	1.184	1.096	1.155	1.083	1.016	1.144	7.53
53)		3-Nitroaniline	0.285	0.300	0.315	0.317	0.334	0.318	0.303	0.310	5.13
54)	P	2,4-Dinitrophenol		0.051	0.081	0.104	0.116	0.118	0.121	0.098	28.02
55)		Dibenzofuran	1.929	1.807	1.766	1.633	1.698	1.587	1.465	1.698	9.02
56)	P	4-Nitrophenol		0.200	0.228	0.246	0.250	0.237	0.229	0.232	7.70
57)		2,4-Dinitrotol...	0.269	0.296	0.342	0.354	0.372	0.354	0.341	0.333	11.03
58)		Fluorene	1.480	1.402	1.322	1.212	1.257	1.161	1.086	1.274	10.79
59)		2,3,4,6-Tetrac...	0.321	0.331	0.345	0.333	0.351	0.329	0.309	0.331	4.30
60)		Diethylphthalate	1.377	1.322	1.335	1.269	1.329	1.231	1.158	1.289	5.81
61)		4-Chlorophenyl...	0.710	0.670	0.657	0.612	0.633	0.601	0.558	0.635	7.86
62)		4-Nitroaniline	0.236	0.255	0.266	0.280	0.289	0.270	0.265	0.266	6.44
63)		Azobenzene	1.452	1.401	1.389	1.320	1.364	1.278	1.196	1.343	6.38
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.054	0.087	0.097	0.110	0.109	0.109	0.094	22.88
66)	c	n-Nitrosodiphe...	0.761	0.728	0.721	0.674	0.726	0.685	0.634	0.704	6.03
67)		4-Bromophenyl-...	0.252	0.238	0.241	0.228	0.247	0.239	0.223	0.238	4.26
68)		Hexachlorobenzene	0.269	0.248	0.252	0.239	0.258	0.245	0.233	0.249	4.80
69)		Atrazine	0.184	0.187	0.198	0.196	0.208	0.197	0.189	0.194	4.32
70)	C	Pentachlorophenol		0.119	0.146	0.148	0.160	0.155	0.150	0.147	9.70
71)		Phenanthrene	1.191	1.100	1.117	1.020	1.069	1.002	0.934	1.062	7.98
72)		Anthracene	1.184	1.136	1.134	1.038	1.095	1.038	0.956	1.083	7.13
73)		Carbazole	1.042	0.969	0.982	0.929	0.963	0.899	0.836	0.946	6.93
74)		Di-n-butylphth...	1.076	1.054	1.129	1.074	1.119	1.048	0.990	1.070	4.36
75)	C	Fluoranthene	1.085	0.987	1.018	0.953	0.979	0.928	0.873	0.975	6.91
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.758	0.844	0.953	0.697	0.601		0.771	17.53
78)		Pyrene	1.909	1.783	1.783	1.715	1.740	1.523	1.494	1.707	8.72
79)	S	Terphenyl-d14	1.567	1.456	1.419	1.311	1.342	1.191	1.122	1.344	11.43
80)		Butylbenzylpht...	0.438	0.472	0.536	0.544	0.582	0.556	0.532	0.523	9.61
81)		Benzo(a)anthra...	1.374	1.367	1.381	1.282	1.422	1.313	1.235	1.339	4.86
82)		3,3'-Dichlorob...		0.437	0.495	0.429	0.476	0.440	0.401	0.446	7.58
83)		Chrysene	1.282	1.174	1.247	1.206	1.218	1.173	1.127	1.204	4.29
84)		Bis(2-ethylhex...	0.691	0.755	0.824	0.789	0.862	0.826	0.789	0.791	7.03
85)	c	Di-n-octyl pht...		1.274	1.428	1.384	1.550	1.508	1.461	1.434	6.83

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF071725.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.424	1.336	1.430	1.413	1.505	1.411	1.352	1.410	3.92
88)		Benzo(b)fluora...	1.231	1.136	1.287	1.147	1.352	1.188	1.212	1.222	6.30
89)		Benzo(k)fluora...	1.168	1.152	1.093	1.134	1.069	1.080	0.937	1.090	7.10
90)	C	Benzo(a)pyrene	1.129	1.102	1.147	1.121	1.192	1.121	1.070	1.126	3.35
91)		Dibenzo(a,h)an...	1.159	1.103	1.179	1.147	1.221	1.140	1.087	1.148	3.92
92)		Benzo(g,h,i)pe...	1.100	1.047	1.140	1.109	1.196	1.113	1.067	1.110	4.37

(#) = Out of Range

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG No.: Q2645

Instrument ID: BNA_F Calibration Date/Time: 07/23/2025 14:33

Lab File ID: BF143210.D Init. Calib. Date(s): 07/17/2025 07/17/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:04 14:34

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.264	1.243		-1.7	
Benzaldehyde	1.193	1.066		-10.6	
Phenol-d6	1.591	1.523		-4.3	
Phenol	1.733	1.726		-0.4	20.0
bis(2-Chloroethyl)ether	1.327	1.254		-5.5	
2-Chlorophenol	1.325	1.298		-2.0	
2-Methylphenol	1.114	1.066		-4.3	
2,2-oxybis(1-Chloropropane)	2.461	2.315		-5.9	
Acetophenone	0.474	0.460		-3.0	
3+4-Methylphenols	1.351	1.319		-2.4	
n-Nitroso-di-n-propylamine	1.021	0.929	0.050	-9.0	
Nitrobenzene-d5	0.401	0.408		1.7	
Hexachloroethane	0.502	0.518		3.2	
Nitrobenzene	0.374	0.377		0.8	
Isophorone	0.708	0.669		-5.5	
2-Nitrophenol	0.162	0.179		10.5	20.0
2,4-Dimethylphenol	0.331	0.316		-4.5	
bis(2-Chloroethoxy)methane	0.425	0.401		-5.6	
2,4-Dichlorophenol	0.279	0.275		-1.4	20.0
Naphthalene	0.985	0.978		-0.7	
4-Chloroaniline	0.402	0.385		-4.2	
Hexachlorobutadiene	0.184	0.189		2.7	20.0
Caprolactam	0.084	0.086		2.4	
4-Chloro-3-methylphenol	0.303	0.294		-3.0	20.0
2-Methylnaphthalene	0.599	0.593		-1.0	
Hexachlorocyclopentadiene	0.376	0.395	0.050	5.1	
2,4,6-Trichlorophenol	0.400	0.386		-3.5	20.0
2-Fluorobiphenyl	1.462	1.452		-0.7	
2,4,5-Trichlorophenol	0.400	0.402		0.5	
1,1-Biphenyl	1.560	1.539		-1.3	
2-Chloronaphthalene	1.155	1.124		-2.7	
2-Nitroaniline	0.362	0.373		3.0	
Dimethylphthalate	1.304	1.287		-1.3	
Acenaphthylene	1.935	1.886		-2.5	
2,6-Dinitrotoluene	0.265	0.272		2.6	
3-Nitroaniline	0.310	0.321		3.5	
Acenaphthene	1.144	1.132		-1.0	20.0
2,4-Dinitrophenol	0.098	0.121	0.050	23.5	
4-Nitrophenol	0.232	0.241	0.050	3.9	

Form VII SV-1

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG No.: Q2645

Instrument ID: BNA_F Calibration Date/Time: 07/23/2025 14:33

Lab File ID: BF143210.D Init. Calib. Date(s): 07/17/2025 07/17/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:04 14:34

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.698	1.669		-1.7	
2,4-Dinitrotoluene	0.333	0.361		8.4	
Diethylphthalate	1.289	1.275		-1.1	
4-Chlorophenyl-phenylether	0.635	0.635		0.0	
Fluorene	1.274	1.270		-0.3	
4-Nitroaniline	0.266	0.288		8.3	
4,6-Dinitro-2-methylphenol	0.094	0.106		12.8	
n-Nitrosodiphenylamine	0.704	0.668		-5.1	20.0
2,4,6-Tribromophenol	0.207	0.202		-2.4	
4-Bromophenyl-phenylether	0.238	0.229		-3.8	
Hexachlorobenzene	0.249	0.244		-2.0	
Atrazine	0.194	0.204		5.2	
Pentachlorophenol	0.147	0.134		-8.8	20.0
Phenanthrene	1.062	1.044		-1.7	
Anthracene	1.083	1.077		-0.6	
Carbazole	0.946	0.981		3.7	
Di-n-butylphthalate	1.070	1.183		10.6	
Fluoranthene	0.975	1.087		11.5	20.0
Pyrene	1.707	1.483		-13.1	
Terphenyl-d14	1.344	1.178		-12.4	
Butylbenzylphthalate	0.523	0.616		17.8	
3,3-Dichlorobenzidine	0.446	0.430		-3.6	
Benzo(a)anthracene	1.339	1.274		-4.9	
Chrysene	1.204	1.200		-0.3	
Bis(2-ethylhexyl)phthalate	0.791	0.860		8.7	
Di-n-octyl phthalate	1.434	1.441		0.5	20.0
Benzo(b)fluoranthene	1.222	1.277		4.5	
Benzo(k)fluoranthene	1.090	0.998		-8.4	
Benzo(a)pyrene	1.126	1.108		-1.6	20.0
Indeno(1,2,3-cd)pyrene	1.410	1.357		-3.8	
Dibenzo(a,h)anthracene	1.148	1.110		-3.3	
Benzo(g,h,i)perylene	1.110	1.097		-1.2	
1,2,4,5-Tetrachlorobenzene	0.577	0.577		0.0	
1,4-Dioxane	0.598	0.584		-2.3	20.0
2,3,4,6-Tetrachlorophenol	0.331	0.297		-10.3	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG No.: Q2645

Instrument ID: BNA_F Calibration Date/Time: 07/23/2025 19:54

Lab File ID: BF143221.D Init. Calib. Date(s): 07/17/2025 07/17/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 11:04 14:34

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.264	1.184		-6.3	50.0
Benzaldehyde	1.193	1.042		-12.7	50.0
Phenol-d6	1.591	1.484		-6.7	50.0
Phenol	1.733	1.686		-2.8	50.0
bis(2-Chloroethyl)ether	1.327	1.245		-6.2	50.0
2-Chlorophenol	1.325	1.267		-4.4	50.0
2-Methylphenol	1.114	1.072		-3.8	50.0
2,2-oxybis(1-Chloropropane)	2.461	2.326		-5.5	50.0
Acetophenone	0.474	0.452		-4.6	50.0
3+4-Methylphenols	1.351	1.294		-4.2	50.0
n-Nitroso-di-n-propylamine	1.021	0.945	0.050	-7.4	50.0
Nitrobenzene-d5	0.401	0.407		1.5	50.0
Hexachloroethane	0.502	0.505		0.6	50.0
Nitrobenzene	0.374	0.372		-0.5	50.0
Isophorone	0.708	0.683		-3.5	50.0
2-Nitrophenol	0.162	0.184		13.6	50.0
2,4-Dimethylphenol	0.331	0.321		-3.0	50.0
bis(2-Chloroethoxy)methane	0.425	0.409		-3.8	50.0
2,4-Dichlorophenol	0.279	0.277		-0.7	50.0
Naphthalene	0.985	0.969		-1.6	50.0
4-Chloroaniline	0.402	0.379		-5.7	50.0
Hexachlorobutadiene	0.184	0.185		0.5	50.0
Caprolactam	0.084	0.087		3.6	50.0
4-Chloro-3-methylphenol	0.303	0.298		-1.6	50.0
2-Methylnaphthalene	0.599	0.584		-2.5	50.0
Hexachlorocyclopentadiene	0.376	0.396	0.050	5.3	50.0
2,4,6-Trichlorophenol	0.400	0.394		-1.5	50.0
2-Fluorobiphenyl	1.462	1.438		-1.7	50.0
2,4,5-Trichlorophenol	0.400	0.408		2.0	50.0
1,1-Biphenyl	1.560	1.557		-0.2	50.0
2-Chloronaphthalene	1.155	1.142		-1.1	50.0
2-Nitroaniline	0.362	0.386		6.6	50.0
Dimethylphthalate	1.304	1.313		0.7	50.0
Acenaphthylene	1.935	1.893		-2.2	50.0
2,6-Dinitrotoluene	0.265	0.288		8.7	50.0
3-Nitroaniline	0.310	0.314		1.3	50.0
Acenaphthene	1.144	1.148		0.3	50.0
2,4-Dinitrophenol	0.098	0.136	0.050	38.8	50.0
4-Nitrophenol	0.232	0.238	0.050	2.6	50.0

Form VII SV-1

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: TETR06

Lab Code: ACE SDG No.: Q2645

Instrument ID: BNA_F Calibration Date/Time: 07/23/2025 19:54

Lab File ID: BF143221.D Init. Calib. Date(s): 07/17/2025 07/17/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 11:04 14:34

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.698	1.661		-2.2	50.0
2,4-Dinitrotoluene	0.333	0.376		12.9	50.0
Diethylphthalate	1.289	1.299		0.8	50.0
4-Chlorophenyl-phenylether	0.635	0.630		-0.8	50.0
Fluorene	1.274	1.254		-1.6	50.0
4-Nitroaniline	0.266	0.277		4.1	50.0
4,6-Dinitro-2-methylphenol	0.094	0.117		24.5	50.0
n-Nitrosodiphenylamine	0.704	0.672		-4.5	50.0
2,4,6-Tribromophenol	0.207	0.204		-1.4	50.0
4-Bromophenyl-phenylether	0.238	0.232		-2.5	50.0
Hexachlorobenzene	0.249	0.242		-2.8	50.0
Atrazine	0.194	0.207		6.7	50.0
Pentachlorophenol	0.147	0.149		1.4	50.0
Phenanthrene	1.062	1.037		-2.4	50.0
Anthracene	1.083	1.044		-3.6	50.0
Carbazole	0.946	0.929		-1.8	50.0
Di-n-butylphthalate	1.070	1.155		7.9	50.0
Fluoranthene	0.975	0.987		1.2	50.0
Pyrene	1.707	1.606		-5.9	50.0
Terphenyl-d14	1.344	1.260		-6.3	50.0
Butylbenzylphthalate	0.523	0.647		23.7	50.0
3,3-Dichlorobenzidine	0.446	0.442		-0.9	50.0
Benzo(a)anthracene	1.339	1.334		-0.4	50.0
Chrysene	1.204	1.132		-6.0	50.0
Bis(2-ethylhexyl)phthalate	0.791	0.884		11.8	50.0
Di-n-octyl phthalate	1.434	1.462		2.0	50.0
Benzo(b)fluoranthene	1.222	1.276		4.4	50.0
Benzo(k)fluoranthene	1.090	1.000		-8.3	50.0
Benzo(a)pyrene	1.126	1.111		-1.3	50.0
Indeno(1,2,3-cd)pyrene	1.410	1.398		-0.9	50.0
Dibenzo(a,h)anthracene	1.148	1.145		-0.3	50.0
Benzo(g,h,i)perylene	1.110	1.124		1.3	50.0
1,2,4,5-Tetrachlorobenzene	0.577	0.576		-0.2	50.0
1,4-Dioxane	0.598	0.552		-7.7	50.0
2,3,4,6-Tetrachlorophenol	0.331	0.310		-6.3	50.0

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

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LAB CHRONICLE

OrderID:	Q2645	**OrderDate:**	7/18/2025 11:25:00 AM
Client:	Tetra Tech NUS, Inc.	**Project:**	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	**Location:**	--Select--,O41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2645-02	**RW5B-CARBON-20250716**	**SOIL**			**07/16/25**			**07/18/25**
			PCB	8082A		07/21/25	07/21/25	
Q2645-02RX	**RW5B-CARBON-20250716RX**	**SOIL**			**07/16/25**			**07/18/25**
			PCB	8082A		07/22/25	07/22/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2645 **Order ID:** Q2645

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 :									
			Total Concentration:	**0.000**					

SAMPLE DATA

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/16/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/18/25
Client Sample ID:	RW5B-CARBON-20250716	SDG No.:	Q2645
Lab Sample ID:	Q2645-02	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	68.6 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112345.D	1	07/21/25 08:30	07/21/25 15:16	PB168927

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	12.1	U	5.80	12.1	24.8	ug/kg
11104-28-2	Aroclor-1221	18.9	U	5.90	18.9	24.8	ug/kg
11141-16-5	Aroclor-1232	12.1	U	5.40	12.1	24.8	ug/kg
53469-21-9	Aroclor-1242	12.1	U	5.80	12.1	24.8	ug/kg
12672-29-6	Aroclor-1248	18.9	U	8.60	18.9	24.8	ug/kg
11097-69-1	Aroclor-1254	12.1	U	4.70	12.1	24.8	ug/kg
37324-23-5	Aroclor-1262	18.9	U	7.30	18.9	24.8	ug/kg
11100-14-4	Aroclor-1268	12.1	U	5.20	12.1	24.8	ug/kg
11096-82-5	Aroclor-1260	12.1	U	4.70	12.1	24.8	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	0.34	*	44 - 130		2%	SPK: 20
2051-24-3	Decachlorobiphenyl	1.12	*	60 - 125		6%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/16/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/18/25
Client Sample ID:	RW5B-CARBON-20250716RX	SDG No.:	Q2645
Lab Sample ID:	Q2645-02RX	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	68.6 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112377.D	1	07/22/25 09:40	07/22/25 14:12	PB168946

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	12.1	U	5.80	12.1	24.7	ug/kg
11104-28-2	Aroclor-1221	18.9	U	5.90	18.9	24.7	ug/kg
11141-16-5	Aroclor-1232	12.1	U	5.40	12.1	24.7	ug/kg
53469-21-9	Aroclor-1242	12.1	U	5.80	12.1	24.7	ug/kg
12672-29-6	Aroclor-1248	18.9	U	8.60	18.9	24.7	ug/kg
11097-69-1	Aroclor-1254	12.1	U	4.70	12.1	24.7	ug/kg
37324-23-5	Aroclor-1262	18.9	U	7.30	18.9	24.7	ug/kg
11100-14-4	Aroclor-1268	12.1	U	5.20	12.1	24.7	ug/kg
11096-82-5	Aroclor-1260	12.1	U	4.70	12.1	24.7	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	0.23	*	44 - 130		1%	SPK: 20
2051-24-3	Decachlorobiphenyl	1.09	*	60 - 125		5%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q2645

Client: Tetra Tech NUS, Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PO112087.D	PIBLK-PO112087.D	Tetrachloro-m-xyl	1	20	19.4	97		60	140
		Decachlorobiphen	1	20	18.8	94		60	140
		Tetrachloro-m-xyl	2	20	20.0	100		60	140
		Decachlorobiphen	2	20	19.3	97		60	140
I.BLK-PO112336.D	PIBLK-PO112336.D	Tetrachloro-m-xyl	1	20	22.3	112		60	140
		Decachlorobiphen	1	20	18.4	92		60	140
		Tetrachloro-m-xyl	2	20	20.7	104		60	140
		Decachlorobiphen	2	20	17.7	88		60	140
Q2645-02	RW5B-CARBON-20250716	Tetrachloro-m-xyl	1	20	0.28	1	*	44	130
		Decachlorobiphen	1	20	1.12	6	*	60	125
		Tetrachloro-m-xyl	2	20	0.34	2	*	44	130
		Decachlorobiphen	2	20	1.10	6	*	60	125
I.BLK-PO112350.D	PIBLK-PO112350.D	Tetrachloro-m-xyl	1	20	20.1	101		60	140
		Decachlorobiphen	1	20	17.6	88		60	140
		Tetrachloro-m-xyl	2	20	19.0	95		60	140
		Decachlorobiphen	2	20	17.4	87		60	140
I.BLK-PO112370.D	PIBLK-PO112370.D	Tetrachloro-m-xyl	1	20	20.1	100		60	140
		Decachlorobiphen	1	20	17.7	89		60	140
		Tetrachloro-m-xyl	2	20	18.3	91		60	140
		Decachlorobiphen	2	20	17.4	87		60	140
PB168946BL	PB168946BL	Tetrachloro-m-xyl	1	20	20.9	104		44	130
		Decachlorobiphen	1	20	19.6	98		60	125
		Tetrachloro-m-xyl	2	20	18.2	91		44	130
		Decachlorobiphen	2	20	18.9	95		60	125
PB168946BS	PB168946BS	Tetrachloro-m-xyl	1	20	20.1	101		44	130
		Decachlorobiphen	1	20	20.3	102		60	125
		Tetrachloro-m-xyl	2	20	18.1	90		44	130
		Decachlorobiphen	2	20	19.5	98		60	125
Q2645-02RX	RW5B-CARBON-20250716RX	Tetrachloro-m-xyl	1	20	0.23	1	*	44	130
		Decachlorobiphen	1	20	1.09	5	*	60	125
		Tetrachloro-m-xyl	2	20	0.23	1	*	44	130
		Decachlorobiphen	2	20	0.26	1	*	60	125
Q2649-01MS	WC-1MS	Tetrachloro-m-xyl	1	20	24.5	122		44	130
		Decachlorobiphen	1	20	17.6	88		60	125
		Tetrachloro-m-xyl	2	20	22.2	111		44	130
		Decachlorobiphen	2	20	17.2	86		60	125
Q2649-01MSD	WC-1MSD	Tetrachloro-m-xyl	1	20	19.6	98		44	130
		Decachlorobiphen	1	20	17.8	89		60	125
		Tetrachloro-m-xyl	2	20	17.5	88		44	130
		Decachlorobiphen	2	20	17.4	87		60	125
I.BLK-PO112385.D	PIBLK-PO112385.D	Tetrachloro-m-xyl	1	20	19.8	99		60	140

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Surrogate Summary

SDG No.: Q2645

Client: Tetra Tech NUS, Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PO112385.D	PIBLK-PO112385.D	Decachlorobiphen	1	20	17.6	88		60	140
		Tetrachloro-m-xyl	2	20	18.1	90		60	140
		Decachlorobiphen	2	20	17.4	87		60	140
I.BLK-PP073553.D	PIBLK-PP073553.D	Tetrachloro-m-xyl	1	20	16.2	81		60	140
		Decachlorobiphen	1	20	17.3	87		60	140
		Tetrachloro-m-xyl	2	20	16.2	81		60	140
		Decachlorobiphen	2	20	17.1	85		60	140
I.BLK-PP073976.D	PIBLK-PP073976.D	Tetrachloro-m-xyl	1	20	16.8	84		60	140
		Decachlorobiphen	1	20	17.6	88		60	140
		Tetrachloro-m-xyl	2	20	16.9	84		60	140
		Decachlorobiphen	2	20	19.1	96		60	140
Q2635-01MS	RT2286MS	Tetrachloro-m-xyl	1	20	16.8	84		44	130
		Decachlorobiphen	1	20	18.0	90		60	125
		Tetrachloro-m-xyl	2	20	17.9	89		44	130
		Decachlorobiphen	2	20	19.9	99		60	125
Q2635-01MSD	RT2286MSD	Tetrachloro-m-xyl	1	20	16.8	84		44	130
		Decachlorobiphen	1	20	17.8	89		60	125
		Tetrachloro-m-xyl	2	20	17.9	89		44	130
		Decachlorobiphen	2	20	19.4	97		60	125
I.BLK-PP073991.D	PIBLK-PP073991.D	Tetrachloro-m-xyl	1	20	15.8	79		60	140
		Decachlorobiphen	1	20	16.7	83		60	140
		Tetrachloro-m-xyl	2	20	17.5	87		60	140
		Decachlorobiphen	2	20	19.7	98		60	140
PB168927BL	PB168927BL	Tetrachloro-m-xyl	1	20	17.3	87		44	130
		Decachlorobiphen	1	20	18.7	94		60	125
		Tetrachloro-m-xyl	2	20	18.9	94		44	130
		Decachlorobiphen	2	20	21.9	109		60	125
PB168927BS	PB168927BS	Tetrachloro-m-xyl	1	20	18.8	94		44	130
		Decachlorobiphen	1	20	20.5	103		60	125
		Tetrachloro-m-xyl	2	20	19.3	96		44	130
		Decachlorobiphen	2	20	23.9	120		60	125
I.BLK-PP074006.D	PIBLK-PP074006.D	Tetrachloro-m-xyl	1	20	15.8	79		60	140
		Decachlorobiphen	1	20	17.1	85		60	140
		Tetrachloro-m-xyl	2	20	17.4	87		60	140
		Decachlorobiphen	2	20	19.3	97		60	140

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2645 **Analytical Method:** 8082A

Client: Tetra Tech NUS, Inc. **DataFile :** PO112379.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q2649-01MS (Column 1)**	**Client Sample ID:**		**WC-1MS**								
	AR1016	186.4	0	197	ug/kg	106				47	134	
	AR1260	186.4	0	168	ug/kg	90				53	140	
Lab Sample ID:	**Q2649-01MS (Column 2)**	**Client Sample ID:**		**WC-1MS**								
	AR1016	186.4	0	184	ug/kg	99				47	134	
	AR1260	186.4	0	164	ug/kg	88				53	140	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2645 **Analytical Method:** 8082A

Client: Tetra Tech NUS, Inc. **DataFile :** PO112380.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q2649-01MSD (Column 1)**	**Client Sample ID:**		**WC-1MSD**								
	AR1016	186.3	0	161	ug/kg	86		21	*	47	134	20
	AR1260	186.3	0	155	ug/kg	83		8		53	140	20
Lab Sample ID:	**Q2649-01MSD (Column 2)**	**Client Sample ID:**		**WC-1MSD**								
	AR1016	186.3	0	152	ug/kg	82		19		47	134	20
	AR1260	186.3	0	149	ug/kg	80		10		53	140	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2645 **Analytical Method:** 8082A

Client: Tetra Tech NUS, Inc. **DataFile :** PP073984.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q2635-01MS (Column 1)**	**Client Sample ID:**		**RT2286MS**								
	AR1016	196.2	0	177	ug/kg	90				47	134	
	AR1260	196.2	66.9	214	ug/kg	75				53	140	
Lab Sample ID:	**Q2635-01MS (Column 2)**	**Client Sample ID:**		**RT2286MS**								
	AR1016	196.2	0	174	ug/kg	89				47	134	
	AR1260	196.2	67.6	212	ug/kg	108				53	140	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2645 **Analytical Method:** 8082A

Client: Tetra Tech NUS, Inc. **DataFile :** PP073985.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID:	**Q2635-01MSD (Column 1)**	**Client Sample ID:**		**RT2286MSD**								
	AR1016	196.4	0	177	ug/kg	90		0		47	134	20
	AR1260	196.4	66.9	210	ug/kg	73		3		53	140	20
Lab Sample ID:	**Q2635-01MSD (Column 2)**	**Client Sample ID:**		**RT2286MSD**								
	AR1016	196.4	0	174	ug/kg	89		0		47	134	20
	AR1260	196.4	67.6	211	ug/kg	107		1		53	140	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2645 **Analytical Method:** 8082A

Client: Tetra Tech NUS, Inc. **Datafile :** PO112376.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168946BS (Column 1)	AR1016	166.5	163	ug/kg	98				47	134	
	AR1260	166.5	153	ug/kg	92				53	140	
PB168946BS (Column 2)	AR1016	166.5	147	ug/kg	88				47	134	
	AR1260	166.5	145	ug/kg	87				53	140	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2645 **Analytical Method:** 8082A

Client: Tetra Tech NUS, Inc. **Datafile :** PP073993.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168927BS (Column 1)	AR1016	166.6	139	ug/kg	83				47	134	
	AR1260	166.6	135	ug/kg	81				53	140	
PB168927BS (Column 2)	AR1016	166.6	153	ug/kg	92				47	134	
	AR1260	166.6	154	ug/kg	92				53	140	

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB168927BL

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG NO.: Q2645

Lab Sample ID: PB168927BL | Lab File ID: PP073992.D

Matrix: (soil/water) Solid | Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N | Date Extracted: 07/21/2025

Date Analyzed (1): 07/21/2025 | Date Analyzed (2): 07/21/2025

Time Analyzed (1): 16:39 | Time Analyzed (2): 16:39

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
RW5B-CARBON-20250716	Q2645-02	PO112345.D	07/21/2025	07/21/2025
RT2286MS	Q2635-01MS	PP073984.D	07/21/2025	07/21/2025
RT2286MSD	Q2635-01MSD	PP073985.D	07/21/2025	07/21/2025
PB168927BS	PB168927BS	PP073993.D	07/21/2025	07/21/2025

COMMENTS:

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB168946BL

Lab Name: Alliance | Contract: TETR06

Lab Code: ACE | SDG NO.: Q2645

Lab Sample ID: PB168946BL | Lab File ID: PO112375.D

Matrix: (soil/water) Solid | Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N | Date Extracted: 07/22/2025

Date Analyzed (1): 07/22/2025 | Date Analyzed (2): 07/22/2025

Time Analyzed (1): 13:35 | Time Analyzed (2): 13:35

Instrument ID (1): ECD_O | Instrument ID (2): ECD_O

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB168946BS	PB168946BS	PO112376.D	07/22/2025	07/22/2025
RW5B-CARBON-20250716RX	Q2645-02RX	PO112377.D	07/22/2025	07/22/2025
WC-1MS	Q2649-01MS	PO112379.D	07/22/2025	07/22/2025
WC-1MSD	Q2649-01MSD	PO112380.D	07/22/2025	07/22/2025

COMMENTS:

CALIBRATION SUMMARY

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

Instrument ID: ECD_O **Calibration Date(s):** 07/08/2025 07/08/2025

Calibration Times: 14:06 22:16

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

LAB FILE ID: RT 1000 = PO112088.D RT 750 = PO112089.D

RT 500 = PO112090.D RT 250 = PO112091.D RT 050 = PO112092.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1016-2	(2)	4.78	4.78	4.78	4.78	4.78	4.78	4.68	4.88
Aroclor-1016-3	(3)	4.83	4.84	4.84	4.84	4.84	4.84	4.74	4.94
Aroclor-1016-4	(4)	4.95	4.96	4.96	4.96	4.96	4.96	4.86	5.06
Aroclor-1016-5	(5)	5.21	5.21	5.21	5.21	5.21	5.21	5.11	5.31
Aroclor-1260-1	(1)	6.25	6.25	6.25	6.25	6.25	6.25	6.15	6.35
Aroclor-1260-2	(2)	6.44	6.44	6.44	6.44	6.44	6.44	6.34	6.54
Aroclor-1260-3	(3)	6.81	6.81	6.81	6.81	6.81	6.81	6.71	6.91
Aroclor-1260-4	(4)	7.07	7.07	7.07	7.07	7.07	7.07	6.97	7.17
Aroclor-1260-5	(5)	7.31	7.31	7.31	7.31	7.31	7.31	7.21	7.41
Decachlorobiphenyl		8.70	8.70	8.70	8.70	8.70	8.70	8.60	8.80
Tetrachloro-m-xylene		3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77
Aroclor-1242-1	(1)	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1242-2	(2)	4.78	4.78	4.78	4.78	4.78	4.78	4.68	4.88
Aroclor-1242-3	(3)	4.84	4.84	4.84	4.84	4.84	4.84	4.74	4.94
Aroclor-1242-4	(4)	4.96	4.96	4.96	4.96	4.96	4.96	4.86	5.06
Aroclor-1242-5	(5)	5.61	5.61	5.61	5.61	5.61	5.61	5.51	5.71
Decachlorobiphenyl		8.70	8.70	8.70	8.70	8.70	8.70	8.60	8.80
Tetrachloro-m-xylene		3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77
Aroclor-1248-1	(1)	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1248-2	(2)	5.00	5.00	5.00	5.00	5.00	5.00	4.90	5.10
Aroclor-1248-3	(3)	5.21	5.21	5.21	5.21	5.21	5.21	5.11	5.31
Aroclor-1248-4	(4)	5.57	5.56	5.57	5.57	5.57	5.57	5.47	5.67
Aroclor-1248-5	(5)	5.61	5.61	5.61	5.61	5.61	5.61	5.51	5.71
Decachlorobiphenyl		8.70	8.70	8.70	8.70	8.70	8.70	8.60	8.80
Tetrachloro-m-xylene		3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77
Aroclor-1254-1	(1)	5.57	5.56	5.57	5.57	5.57	5.57	5.47	5.67
Aroclor-1254-2	(2)	5.72	5.71	5.72	5.71	5.71	5.72	5.62	5.82
Aroclor-1254-3	(3)	6.12	6.12	6.12	6.12	6.12	6.12	6.02	6.22
Aroclor-1254-4	(4)	6.35	6.35	6.35	6.35	6.35	6.35	6.25	6.45
Aroclor-1254-5	(5)	6.77	6.77	6.77	6.77	6.77	6.77	6.67	6.87
Decachlorobiphenyl		8.70	8.70	8.70	8.70	8.70	8.70	8.60	8.80
Tetrachloro-m-xylene		3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77
Aroclor-1268-1	(1)	7.59	7.59	7.59	7.59	7.59	7.59	7.49	7.69
Aroclor-1268-2	(2)	7.66	7.66	7.66	7.66	7.66	7.66	7.56	7.76
Aroclor-1268-3	(3)	7.86	7.86	7.86	7.86	7.86	7.86	7.76	7.96
Aroclor-1268-4	(4)	8.15	8.15	8.15	8.15	8.15	8.15	8.05	8.25
Aroclor-1268-5	(5)	8.45	8.44	8.45	8.45	8.45	8.45	8.35	8.55

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.70	8.70	8.70	8.70	8.70	8.70	8.60	8.80
Tetrachloro-m-xylene	3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

Instrument ID: ECD_O **Calibration Date(s):** 07/08/2025 07/08/2025

Calibration Times: 14:06 22:16

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

LAB FILE ID: RT 1000 = PO112088.D RT 750 = PO112089.D

RT 500 = PO112090.D RT 250 = PO112091.D RT 050 = PO112092.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.74	4.74	4.76	4.74	4.74	4.75	4.65	4.85
Aroclor-1016-2	(2)	4.76	4.76	4.78	4.76	4.76	4.77	4.67	4.87
Aroclor-1016-3	(3)	4.94	4.94	4.95	4.94	4.94	4.94	4.84	5.04
Aroclor-1016-4	(4)	4.98	4.98	5.00	4.98	4.98	4.98	4.88	5.08
Aroclor-1016-5	(5)	5.19	5.19	5.21	5.19	5.19	5.20	5.10	5.30
Aroclor-1260-1	(1)	6.22	6.22	6.24	6.22	6.22	6.22	6.12	6.32
Aroclor-1260-2	(2)	6.41	6.41	6.43	6.41	6.41	6.41	6.31	6.51
Aroclor-1260-3	(3)	6.56	6.56	6.58	6.56	6.56	6.56	6.46	6.66
Aroclor-1260-4	(4)	7.03	7.03	7.05	7.03	7.03	7.03	6.93	7.13
Aroclor-1260-5	(5)	7.27	7.27	7.29	7.27	7.27	7.28	7.18	7.38
Decachlorobiphenyl		8.65	8.65	8.67	8.65	8.65	8.65	8.55	8.75
Tetrachloro-m-xylene		3.67	3.67	3.68	3.67	3.67	3.67	3.57	3.77
Aroclor-1242-1	(1)	4.74	4.74	4.74	4.74	4.74	4.74	4.64	4.84
Aroclor-1242-2	(2)	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1242-3	(3)	4.94	4.94	4.94	4.94	4.94	4.94	4.84	5.04
Aroclor-1242-4	(4)	5.02	5.02	5.02	5.02	5.02	5.02	4.92	5.12
Aroclor-1242-5	(5)	5.54	5.54	5.54	5.54	5.54	5.54	5.44	5.64
Decachlorobiphenyl		8.65	8.65	8.65	8.65	8.65	8.65	8.55	8.75
Tetrachloro-m-xylene		3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77
Aroclor-1248-1	(1)	4.74	4.74	4.74	4.74	4.74	4.74	4.64	4.84
Aroclor-1248-2	(2)	4.98	4.98	4.98	4.98	4.98	4.98	4.88	5.08
Aroclor-1248-3	(3)	5.02	5.02	5.02	5.02	5.02	5.02	4.92	5.12
Aroclor-1248-4	(4)	5.19	5.19	5.19	5.19	5.19	5.19	5.09	5.29
Aroclor-1248-5	(5)	5.58	5.58	5.58	5.58	5.58	5.58	5.48	5.68
Decachlorobiphenyl		8.65	8.65	8.65	8.65	8.65	8.65	8.55	8.75
Tetrachloro-m-xylene		3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77
Aroclor-1254-1	(1)	5.54	5.54	5.54	5.54	5.54	5.54	5.44	5.64
Aroclor-1254-2	(2)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Aroclor-1254-3	(3)	6.09	6.09	6.09	6.09	6.09	6.09	5.99	6.19
Aroclor-1254-4	(4)	6.32	6.32	6.32	6.32	6.32	6.32	6.22	6.42
Aroclor-1254-5	(5)	6.74	6.73	6.73	6.73	6.73	6.73	6.63	6.83
Decachlorobiphenyl		8.65	8.65	8.65	8.65	8.65	8.65	8.55	8.75
Tetrachloro-m-xylene		3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77
Aroclor-1268-1	(1)	7.55	7.55	7.55	7.55	7.55	7.55	7.45	7.65
Aroclor-1268-2	(2)	7.62	7.62	7.62	7.62	7.62	7.62	7.52	7.72
Aroclor-1268-3	(3)	7.82	7.82	7.82	7.82	7.82	7.82	7.72	7.92
Aroclor-1268-4	(4)	8.11	8.11	8.11	8.11	8.11	8.11	8.01	8.21
Aroclor-1268-5	(5)	8.40	8.40	8.40	8.40	8.40	8.40	8.30	8.50

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.65	8.65	8.65	8.65	8.65	8.65	8.55	8.75
Tetrachloro-m-xylene	3.67	3.67	3.67	3.67	3.67	3.67	3.57	3.77

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

Instrument ID: ECD_O **Calibration Date(s):** 07/08/2025 07/08/2025

Calibration Times: 14:06 22:16

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

LAB FILE ID: **CF 1000 =** PO112088.D **CF 750 =** PO112089.D

CF 500 = PO112090.D **CF 250 =** PO112091.D **CF 050 =** PO112092.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	360742355	353411084	358608078	351811628	276040300	340122689	11
Aroclor-1016-2	(2)	524757576	513734579	527286258	524874328	395805960	497291740	11
Aroclor-1016-3	(3)	332829086	325012079	334990372	341827996	283910480	323714003	7
Aroclor-1016-4	(4)	267114546	263557440	269039266	265481824	218804880	256799591	8
Aroclor-1016-5	(5)	281257689	272140703	280446704	285989380	248475020	273661899	5
Aroclor-1260-1	(1)	515263930	514045125	524528068	524922328	427435480	501238986	8
Aroclor-1260-2	(2)	755458656	751801572	763083688	740918324	679411120	738134672	5
Aroclor-1260-3	(3)	672764264	679771911	697132702	647584436	580156380	655481939	7
Aroclor-1260-4	(4)	428461498	442815881	457502760	461118372	386340060	435247714	7
Aroclor-1260-5	(5)	1355306152	1333629501	1317199750	1298892100	1007658700	1262537241	11
Decachlorobiphenyl		7091695750	7147123880	7182630500	7285420480	5478354000	6837044922	11
Tetrachloro-m-xylene		10813397260	10474815627	10513291260	10183518000	7488479400	9894700309	14
Aroclor-1242-1	(1)	285009923	305769684	302587940	302628584	252187260	289636678	8
Aroclor-1242-2	(2)	424985528	451558340	449561854	447967952	355524300	425919595	10
Aroclor-1242-3	(3)	267327438	285181779	287377204	288451804	240089600	273685565	8
Aroclor-1242-4	(4)	217524144	232173980	231748124	232379948	212764400	225318119	4
Aroclor-1242-5	(5)	218416651	232437525	224522496	231546684	151431360	211670943	16
Decachlorobiphenyl		6979969120	7147406973	7161879360	7131310800	5658336400	6815780531	10
Tetrachloro-m-xylene		10047633560	10752033107	10538404740	10524037960	8582543200	10088930513	9
Aroclor-1248-1	(1)	231871262	227298380	227625104	251373404	196330000	226899630	9
Aroclor-1248-2	(2)	312226784	305819339	307255800	349605332	266719220	308325295	10
Aroclor-1248-3	(3)	394903515	391569029	392918442	459601740	397606080	407319761	7
Aroclor-1248-4	(4)	577144829	572571723	575557162	615211088	545252760	577147512	4
Aroclor-1248-5	(5)	391149352	391468967	390698366	435680552	342525360	390304519	8
Decachlorobiphenyl		7164669710	7172590053	7258610400	7568481440	5849763800	7002823081	10
Tetrachloro-m-xylene		10966260810	10668995880	10533016680	11674212280	8664104600	10501318050	11
Aroclor-1254-1	(1)	596387386	615301855	615556214	631197528	617123200	615113237	2
Aroclor-1254-2	(2)	526620849	541456496	538329150	552782544	519240660	535685940	2
Aroclor-1254-3	(3)	832372124	848375105	844598876	861920200	810621920	839577645	2
Aroclor-1254-4	(4)	488348458	550588549	528046518	514011204	324098800	481018706	19
Aroclor-1254-5	(5)	772769124	785953607	791521408	805117428	714377600	773947833	5
Decachlorobiphenyl		7313218520	7363897040	7524909560	7619539480	6511414600	7266595840	6
Tetrachloro-m-xylene		10817495530	10970019693	10749863260	10915129200	9106609200	10511823377	8
Aroclor-1268-1	(1)	1933697823	1961714709	1933333182	1889919492	1468606580	1837454357	11

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	1621310763	1652283559	1624883286	1597201648	1292350600	1557605971	10
Aroclor-1268-3	(3)	1337748865	1359325231	1351894922	1337301304	1112111800	1299676424	8
Aroclor-1268-4	(4)	501678112	499381901	514040784	510400332	376538760	480407978	12
Aroclor-1268-5	(5)	3474681887	3495352783	3443761070	3349732680	2555042300	3263714144	12
Decachlorobiphenyl		13779789610	14010961973	13831208240	13686235720	10617540000	13185147109	11
Tetrachloro-m-xylene		10828416470	10960168653	10714217600	10397619080	7773509600	10134786281	13

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CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: TETR06
SDG NO.: Q2645
Calibration Date(s): 07/08/2025 07/08/2025
Calibration Times: 14:06 22:16

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

LAB FILE ID: CF 1000 = PO112088.D CF 750 = PO112089.D
CF 500 = PO112090.D CF 250 = PO112091.D CF 050 = PO112092.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	224689947	221197589	229855740	235435032	202993580	222834378	6
Aroclor-1016-2	(2)	333676696	332964816	340716574	344871116	293258760	329097592	6
Aroclor-1016-3	(3)	173220389	172286476	177510406	175323720	150993180	169866834	6
Aroclor-1016-4	(4)	133548654	134722825	140696304	141544972	135624760	137227503	3
Aroclor-1016-5	(5)	172958737	175867975	183374190	179483264	150567480	172450329	7
Aroclor-1260-1	(1)	273966572	275587577	284396370	318959696	249900320	280562107	9
Aroclor-1260-2	(2)	339471861	339883185	345098816	366340024	309189580	339996693	6
Aroclor-1260-3	(3)	285079531	283131084	293155536	294803628	221760800	275586116	11
Aroclor-1260-4	(4)	190320237	194370733	203166394	219087436	196280140	200644988	6
Aroclor-1260-5	(5)	439428363	448516680	455912584	483251276	411533840	447728549	6
Decachlorobiphenyl		1708564380	1754251880	1790007560	1862375960	1502102800	1723460516	8
Tetrachloro-m-xylene		6849689250	6688775747	6823852720	6660365320	4832613200	6371059247	14
Aroclor-1242-1	(1)	180558203	194276476	196154442	205920884	192381760	193858353	5
Aroclor-1242-2	(2)	267145812	285888559	288791934	297310352	277625120	283352355	4
Aroclor-1242-3	(3)	139388587	149896708	150012144	154353128	134735720	145677257	6
Aroclor-1242-4	(4)	132647733	142511831	143624204	149839712	140580100	141840716	4
Aroclor-1242-5	(5)	169256952	182077477	187071418	199409696	170855060	181734121	7
Decachlorobiphenyl		1694985930	1765973813	1799728340	1866433600	1579982000	1741420737	6
Tetrachloro-m-xylene		6408694870	6872035667	6730718280	6766792760	5539281400	6463504595	8
Aroclor-1248-1	(1)	148373409	146783767	149637550	173598112	153448100	154368188	7
Aroclor-1248-2	(2)	200165378	198242231	203122858	230241332	197066700	205767700	7
Aroclor-1248-3	(3)	210851108	208337667	212783398	242780584	199239520	214798455	8
Aroclor-1248-4	(4)	249491134	246252407	253519016	297759984	246611360	258726780	9
Aroclor-1248-5	(5)	244390847	243395885	250986596	299503676	214470400	250549481	12
Decachlorobiphenyl		1741004980	1773180160	1834926600	1999524800	1593214800	1788370268	8
Tetrachloro-m-xylene		6922029440	6722968493	6653358760	7457216520	5595884000	6670291443	10
Aroclor-1254-1	(1)	358701312	372366800	376618238	404921504	393233780	381168327	5
Aroclor-1254-2	(2)	309319461	318506233	325963420	350344944	354921460	331811104	6
Aroclor-1254-3	(3)	457035033	473473401	470706516	496812748	512186320	482042804	5
Aroclor-1254-4	(4)	242702235	264458053	264466114	273730492	258116740	260694727	4
Aroclor-1254-5	(5)	340856875	348898753	356048528	374047448	361929480	356356217	4
Decachlorobiphenyl		1762037980	1801047667	1852268780	1914979680	1705564000	1807179621	4
Tetrachloro-m-xylene		6812677640	6946187027	6790686340	6873927640	5937916200	6672278969	6
Aroclor-1268-1	(1)	486556055	496283868	499490630	514433332	460511800	491455137	4

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	414074889	422901423	425132138	438633692	385189960	417186420	5
Aroclor-1268-3	(3)	309607188	317937561	322370012	335163612	296865480	316388771	5
Aroclor-1268-4	(4)	111375490	114260995	115590378	117536984	98796160	111512001	7
Aroclor-1268-5	(5)	736492551	750146037	748798464	755249104	641904560	726518143	7
Decachlorobiphenyl		3139191470	3230861547	3253774420	3306379000	2721463200	3130333927	8
Tetrachloro-m-xylene		6732535870	6829120120	6762174400	6573365120	5117275800	6402894262	11

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

Instrument ID: ECD_O **Date(s) Analyzed:** 07/08/2025 07/08/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	3.88	3.78	3.98	116614000
		2	3.97	3.87	4.07	78840600
		3	4.05	3.95	4.15	269582000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.05	3.95	4.15	214668000
		2	4.54	4.44	4.64	113637000
		3	4.78	4.68	4.88	229008000
		4	4.96	4.86	5.06	114297000
		5	5.00	4.90	5.10	73400200
Aroclor-1262	500	1	6.81	6.71	6.91	1021690000
		2	7.31	7.21	7.41	1639370000
		3	7.59	7.49	7.69	641976000
		4	7.66	7.56	7.76	1071430000
		5	8.15	8.05	8.25	448140000

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

Instrument ID: ECD_O **Date(s) Analyzed:** 07/08/2025 07/08/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	3.88	3.78	3.98	82295000
		2	3.96	3.86	4.06	59353600
		3	4.04	3.94	4.14	188777000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.04	3.94	4.14	150099000
		2	4.76	4.66	4.86	153086000
		3	4.94	4.84	5.04	75506000
		4	5.02	4.92	5.12	65988200
		5	5.19	5.09	5.29	74260000
Aroclor-1262	500	1	6.77	6.67	6.87	407320000
		2	7.27	7.17	7.37	512548000
		3	7.55	7.45	7.65	179524000
		4	7.62	7.52	7.72	290920000
		5	8.11	8.01	8.21	105784000

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

Instrument ID: ECD_P **Calibration Date(s):** 07/07/2025 07/08/2025

Calibration Times: 21:03 04:24

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

LAB FILE ID: RT 1000 = PP073554.D RT 750 = PP073555.D

RT 500 = PP073556.D RT 250 = PP073557.D RT 050 = PP073558.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
Aroclor-1016-2	(2)	5.66	5.66	5.66	5.66	5.66	5.66	5.56	5.76
Aroclor-1016-3	(3)	5.72	5.72	5.72	5.72	5.72	5.72	5.62	5.82
Aroclor-1016-4	(4)	5.82	5.82	5.82	5.82	5.82	5.82	5.72	5.92
Aroclor-1016-5	(5)	6.11	6.11	6.11	6.11	6.11	6.11	6.01	6.21
Aroclor-1260-1	(1)	7.23	7.23	7.23	7.23	7.23	7.23	7.13	7.33
Aroclor-1260-2	(2)	7.48	7.48	7.48	7.48	7.48	7.48	7.38	7.58
Aroclor-1260-3	(3)	7.84	7.84	7.84	7.84	7.84	7.84	7.74	7.94
Aroclor-1260-4	(4)	8.06	8.07	8.06	8.07	8.06	8.06	7.96	8.16
Aroclor-1260-5	(5)	8.38	8.38	8.38	8.39	8.38	8.38	8.28	8.48
Decachlorobiphenyl		10.18	10.18	10.18	10.18	10.17	10.18	10.08	10.28
Tetrachloro-m-xylene		4.49	4.49	4.49	4.49	4.49	4.49	4.39	4.59
Aroclor-1242-1	(1)	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
Aroclor-1242-2	(2)	5.66	5.66	5.66	5.66	5.66	5.66	5.56	5.76
Aroclor-1242-3	(3)	5.72	5.72	5.72	5.72	5.72	5.72	5.62	5.82
Aroclor-1242-4	(4)	5.82	5.82	5.82	5.82	5.82	5.82	5.72	5.92
Aroclor-1242-5	(5)	6.55	6.55	6.55	6.55	6.55	6.55	6.45	6.65
Decachlorobiphenyl		10.18	10.18	10.17	10.18	10.17	10.18	10.08	10.28
Tetrachloro-m-xylene		4.49	4.49	4.49	4.49	4.49	4.49	4.39	4.59
Aroclor-1248-1	(1)	5.64	5.64	5.64	5.64	5.63	5.64	5.54	5.74
Aroclor-1248-2	(2)	5.91	5.91	5.91	5.91	5.91	5.91	5.81	6.01
Aroclor-1248-3	(3)	6.11	6.11	6.11	6.11	6.11	6.11	6.01	6.21
Aroclor-1248-4	(4)	6.51	6.51	6.51	6.51	6.51	6.51	6.41	6.61
Aroclor-1248-5	(5)	6.55	6.55	6.55	6.55	6.55	6.55	6.45	6.65
Decachlorobiphenyl		10.18	10.18	10.17	10.18	10.17	10.18	10.08	10.28
Tetrachloro-m-xylene		4.49	4.49	4.49	4.49	4.49	4.49	4.39	4.59
Aroclor-1254-1	(1)	6.49	6.49	6.49	6.48	6.49	6.49	6.39	6.59
Aroclor-1254-2	(2)	6.70	6.70	6.70	6.70	6.70	6.70	6.60	6.80
Aroclor-1254-3	(3)	7.07	7.07	7.06	7.06	7.06	7.07	6.97	7.17
Aroclor-1254-4	(4)	7.35	7.35	7.35	7.35	7.35	7.35	7.25	7.45
Aroclor-1254-5	(5)	7.76	7.76	7.76	7.76	7.76	7.76	7.66	7.86
Decachlorobiphenyl		10.18	10.18	10.17	10.18	10.18	10.18	10.08	10.28
Tetrachloro-m-xylene		4.49	4.49	4.49	4.49	4.49	4.49	4.39	4.59
Aroclor-1268-1	(1)	8.69	8.69	8.69	8.69	8.69	8.69	8.59	8.79
Aroclor-1268-2	(2)	8.78	8.79	8.79	8.78	8.79	8.79	8.69	8.89
Aroclor-1268-3	(3)	9.01	9.01	9.01	9.01	9.02	9.01	8.91	9.11
Aroclor-1268-4	(4)	9.43	9.43	9.43	9.43	9.43	9.43	9.33	9.53
Aroclor-1268-5	(5)	9.84	9.84	9.84	9.84	9.84	9.84	9.74	9.94

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.18	10.18	10.18	10.17	10.18	10.18	10.08	10.28
Tetrachloro-m-xylene	4.49	4.49	4.49	4.49	4.49	4.49	4.39	4.59

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

Instrument ID: ECD_P **Calibration Date(s):** 07/07/2025 07/08/2025

Calibration Times: 21:03 04:24

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

LAB FILE ID: RT 1000 = PP073554.D RT 750 = PP073555.D

RT 500 = PP073556.D RT 250 = PP073557.D RT 050 = PP073558.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.86	4.86	4.86	4.86	4.86	4.86	4.76	4.96
Aroclor-1016-2	(2)	4.88	4.88	4.88	4.88	4.88	4.88	4.78	4.98
Aroclor-1016-3	(3)	5.05	5.05	5.05	5.05	5.05	5.05	4.95	5.15
Aroclor-1016-4	(4)	5.10	5.10	5.09	5.10	5.09	5.09	4.99	5.19
Aroclor-1016-5	(5)	5.31	5.31	5.31	5.31	5.31	5.31	5.21	5.41
Aroclor-1260-1	(1)	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Aroclor-1260-2	(2)	6.53	6.53	6.53	6.53	6.53	6.53	6.43	6.63
Aroclor-1260-3	(3)	6.68	6.68	6.68	6.68	6.68	6.68	6.58	6.78
Aroclor-1260-4	(4)	7.15	7.15	7.15	7.15	7.15	7.15	7.05	7.25
Aroclor-1260-5	(5)	7.39	7.39	7.39	7.39	7.39	7.39	7.29	7.49
Decachlorobiphenyl		8.78	8.78	8.78	8.78	8.78	8.78	8.68	8.88
Tetrachloro-m-xylene		3.78	3.78	3.78	3.78	3.78	3.78	3.68	3.88
Aroclor-1242-1	(1)	4.86	4.86	4.86	4.86	4.86	4.86	4.76	4.96
Aroclor-1242-2	(2)	4.87	4.88	4.88	4.88	4.88	4.88	4.78	4.98
Aroclor-1242-3	(3)	5.05	5.05	5.05	5.05	5.05	5.05	4.95	5.15
Aroclor-1242-4	(4)	5.14	5.14	5.14	5.14	5.14	5.14	5.04	5.24
Aroclor-1242-5	(5)	5.66	5.66	5.66	5.66	5.66	5.66	5.56	5.76
Decachlorobiphenyl		8.78	8.78	8.78	8.78	8.78	8.78	8.68	8.88
Tetrachloro-m-xylene		3.78	3.78	3.78	3.78	3.78	3.78	3.68	3.88
Aroclor-1248-1	(1)	4.86	4.86	4.86	4.86	4.86	4.86	4.76	4.96
Aroclor-1248-2	(2)	5.09	5.09	5.09	5.09	5.09	5.09	4.99	5.19
Aroclor-1248-3	(3)	5.14	5.14	5.14	5.14	5.14	5.14	5.04	5.24
Aroclor-1248-4	(4)	5.31	5.31	5.31	5.31	5.31	5.31	5.21	5.41
Aroclor-1248-5	(5)	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Decachlorobiphenyl		8.78	8.78	8.78	8.78	8.78	8.78	8.68	8.88
Tetrachloro-m-xylene		3.78	3.78	3.78	3.78	3.78	3.78	3.68	3.88
Aroclor-1254-1	(1)	5.66	5.66	5.66	5.66	5.66	5.66	5.56	5.76
Aroclor-1254-2	(2)	5.81	5.81	5.81	5.81	5.81	5.81	5.71	5.91
Aroclor-1254-3	(3)	6.21	6.21	6.21	6.21	6.21	6.21	6.11	6.31
Aroclor-1254-4	(4)	6.44	6.44	6.44	6.44	6.44	6.44	6.34	6.54
Aroclor-1254-5	(5)	6.85	6.85	6.85	6.85	6.85	6.85	6.75	6.95
Decachlorobiphenyl		8.78	8.78	8.78	8.78	8.78	8.78	8.68	8.88
Tetrachloro-m-xylene		3.78	3.78	3.78	3.78	3.78	3.78	3.68	3.88
Aroclor-1268-1	(1)	7.67	7.67	7.67	7.67	7.67	7.67	7.57	7.77
Aroclor-1268-2	(2)	7.74	7.74	7.74	7.74	7.74	7.74	7.64	7.84
Aroclor-1268-3	(3)	7.94	7.94	7.94	7.94	7.94	7.94	7.84	8.04
Aroclor-1268-4	(4)	8.23	8.23	8.23	8.23	8.23	8.23	8.13	8.33
Aroclor-1268-5	(5)	8.53	8.53	8.53	8.53	8.53	8.53	8.43	8.63

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.78	8.78	8.78	8.78	8.78	8.78	8.68	8.88
Tetrachloro-m-xylene	3.78	3.78	3.78	3.78	3.78	3.78	3.68	3.88

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

Instrument ID: ECD_P **Calibration Date(s):** 07/07/2025 07/08/2025

Calibration Times: 21:03 04:24

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

LAB FILE ID: **CF 1000 =** PP073554.D **CF 750 =** PP073555.D

CF 500 = PP073556.D **CF 250 =** PP073557.D **CF 050 =** PP073558.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	42452248	45617859	47138872	50511676	51847220	47513575	8
Aroclor-1016-2	(2)	66518124	70141979	72048808	76716636	70648900	71214889	5
Aroclor-1016-3	(3)	39961628	42046196	44162638	46389840	45755080	43663076	6
Aroclor-1016-4	(4)	33606097	35475740	36592056	38460728	35593260	35945576	5
Aroclor-1016-5	(5)	30910810	31971305	32786356	34274032	26709560	31330413	9
Aroclor-1260-1	(1)	55735594	57789364	59663732	63324028	58293500	58961244	5
Aroclor-1260-2	(2)	82256765	86873544	90393892	97973444	121701660	95839861	16
Aroclor-1260-3	(3)	71122512	73727981	74691298	76804056	69007300	73070629	4
Aroclor-1260-4	(4)	63951646	66011447	66730410	69035472	60770420	65299879	5
Aroclor-1260-5	(5)	147606205	151816095	154896322	160840336	139104740	150852740	5
Decachlorobiphenyl		1075002490	1114272707	1146110620	1163852360	956024000	1091052435	8
Tetrachloro-m-xylene		1314627420	1370591720	1413189460	1469047800	1280173600	1369526000	6
Aroclor-1242-1	(1)	37824570	38531545	40764028	42347748	31473220	38188222	11
Aroclor-1242-2	(2)	59433539	58987884	63134254	65007836	52846680	59882039	8
Aroclor-1242-3	(3)	35307728	35832168	38067086	39311740	34585840	36620912	5
Aroclor-1242-4	(4)	29431539	30211543	31738592	32275500	37022940	32136023	9
Aroclor-1242-5	(5)	31742412	31628361	33353228	35089048	31871320	32736874	5
Decachlorobiphenyl		1095703140	1117596867	1144519060	1154694600	992628000	1101028333	6
Tetrachloro-m-xylene		1336424670	1349665200	1427212360	1438929280	1262569400	1362960182	5
Aroclor-1248-1	(1)	29290065	30340729	31459936	34321104	28940820	30870531	7
Aroclor-1248-2	(2)	37625323	39736876	40535254	44074952	37644360	39923353	7
Aroclor-1248-3	(3)	43927993	45846956	46075290	48569104	37628800	44409629	9
Aroclor-1248-4	(4)	53376796	55925132	57147446	59774616	49178580	55080514	7
Aroclor-1248-5	(5)	51803368	53704276	55758942	57942584	49744040	53790642	6
Decachlorobiphenyl		1098016930	1133084880	1145143920	1172914800	889666400	1087765386	10
Tetrachloro-m-xylene		1321954420	1371326347	1415433040	1456874560	1240770200	1361271713	6
Aroclor-1254-1	(1)	50900598	53159759	55209204	57116384	51561700	53589529	5
Aroclor-1254-2	(2)	77237012	80519573	82538946	86348708	89800160	83288880	6
Aroclor-1254-3	(3)	83677544	86010903	88492372	92072040	91405580	88331688	4
Aroclor-1254-4	(4)	74438148	76222969	79592040	81854844	81227180	78667036	4
Aroclor-1254-5	(5)	71888659	74572743	74620102	76347748	70969780	73679806	3
Decachlorobiphenyl		1107439250	1132832533	1145288580	1145076280	1133429800	1132813289	1
Tetrachloro-m-xylene		1351624000	1395660893	1401155480	1465561640	1387618000	1400324003	3
Aroclor-1268-1	(1)	220572869	225132533	228083942	237689468	204639620	223223686	5

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	188785361	192061012	194228718	202923360	174527620	190505214	5
Aroclor-1268-3	(3)	161320167	164379476	166708106	175220108	160250740	165575719	4
Aroclor-1268-4	(4)	68937885	69804631	69558114	75087068	64331720	69543884	5
Aroclor-1268-5	(5)	477643268	472782711	485154758	497337016	371889540	460961459	11
Decachlorobiphenyl		1977874930	2021254947	2057047680	2189262080	1794844800	2008056887	7
Tetrachloro-m-xylene		1351774000	1390310400	1415817780	1495349000	1314096000	1393469436	5

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

Instrument ID: ECD_P **Calibration Date(s):** 07/07/2025 07/08/2025

Calibration Times: 21:03 04:24

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

LAB FILE ID: **CF 1000 =** PP073554.D **CF 750 =** PP073555.D

CF 500 = PP073556.D **CF 250 =** PP073557.D **CF 050 =** PP073558.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	63548895	66956692	68520980	73175628	68671440	68174727	5
Aroclor-1016-2	(2)	95987811	99810097	102589296	109872788	101161940	101884386	5
Aroclor-1016-3	(3)	50406684	53112144	54849034	57930668	54233060	54106318	5
Aroclor-1016-4	(4)	39688708	42104989	43896956	47040184	46673360	43880839	7
Aroclor-1016-5	(5)	50298801	53487816	55660288	59272232	54193420	54582511	6
Aroclor-1260-1	(1)	89335231	94510516	99471332	104207304	100277120	97560301	6
Aroclor-1260-2	(2)	113000947	118559808	124003550	129850992	128772620	122837583	6
Aroclor-1260-3	(3)	102918015	108414332	112293296	117668340	106025080	109463813	5
Aroclor-1260-4	(4)	82942909	90440599	92349274	96325208	84984160	89408430	6
Aroclor-1260-5	(5)	218347404	234684793	232225124	233707816	204717920	224736611	6
Decachlorobiphenyl		1288482360	1338938240	1324505420	1466524480	1197294400	1323148980	7
Tetrachloro-m-xylene		1774031450	1893159427	1873404460	1944042160	1726825000	1842292499	5
Aroclor-1242-1	(1)	53636877	56644489	60339480	62120840	56082120	57764761	6
Aroclor-1242-2	(2)	81745742	82323689	88927402	91756504	87517600	86454187	5
Aroclor-1242-3	(3)	43191003	44194741	47579930	48843488	45924140	45946660	5
Aroclor-1242-4	(4)	40719317	41867060	45117014	46860680	46752460	44263306	6
Aroclor-1242-5	(5)	53173633	53609452	57067394	58584716	53777140	55242467	4
Decachlorobiphenyl		1306642480	1369985587	1353011840	1407476720	1194819200	1326387165	6
Tetrachloro-m-xylene		1787240920	1786937067	1893455580	1997751320	1666197200	1826316417	7
Aroclor-1248-1	(1)	41993150	43590469	45185544	49843992	43861300	44894891	7
Aroclor-1248-2	(2)	55737799	58586344	61889020	66706936	64762540	61536528	7
Aroclor-1248-3	(3)	58429721	61323012	64407590	69469512	66692820	64064531	7
Aroclor-1248-4	(4)	68661033	72026459	75308372	81734520	79156680	75377413	7
Aroclor-1248-5	(5)	69725277	73210425	76423314	81696724	71898780	74590904	6
Decachlorobiphenyl		1298382400	1392805453	1360355620	1440840840	1158845800	1330246023	8
Tetrachloro-m-xylene		1855486030	1865559853	1910416600	1967065360	1674658000	1854637169	6
Aroclor-1254-1	(1)	105364555	111697468	112323806	121711620	129052960	116030082	8
Aroclor-1254-2	(2)	90612135	96205700	96079760	105129084	115091100	100623556	10
Aroclor-1254-3	(3)	142515413	152219476	152099148	162118636	163279600	154446455	6
Aroclor-1254-4	(4)	86996505	93901768	94351020	100389560	97157080	94559187	5
Aroclor-1254-5	(5)	123596587	131044949	130737444	141046724	140798600	133444861	6
Decachlorobiphenyl		1348192280	1398430560	1372338640	1507697520	1377457800	1400823360	4
Tetrachloro-m-xylene		1809940380	1949806187	1892015400	1932532480	1944382600	1905735409	3
Aroclor-1268-1	(1)	290584667	307587391	307795276	323603296	307313580	307376842	4

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	254148086	267727805	267575410	282961968	256026000	265687854	4
Aroclor-1268-3	(3)	211648098	225837245	227309934	242217372	220889640	225580458	5
Aroclor-1268-4	(4)	89640321	95098047	95218176	99881904	85000720	92967834	6
Aroclor-1268-5	(5)	595257746	637650785	622434144	650778188	576631820	616550537	5
Decachlorobiphenyl		2396229270	2556860227	2535017940	2683507840	2355689000	2505460855	5
Tetrachloro-m-xylene		1866286350	1953909840	1937791560	2021719520	1790813600	1914104174	5

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

Instrument ID: ECD_P **Date(s) Analyzed:** 07/07/2025 07/08/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.69	4.59	4.79	17866400
		2	4.78	4.68	4.88	13504500
		3	4.85	4.75	4.95	41604800
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.85	4.75	4.95	32650800
		2	5.37	5.27	5.47	16254700
		3	5.66	5.56	5.76	32993400
		4	5.82	5.72	5.92	16445200
		5	5.91	5.81	6.01	10570400
Aroclor-1262	500	1	8.07	7.97	8.17	87027200
		2	8.38	8.28	8.48	198028000
		3	8.70	8.60	8.80	125725000
		4	8.78	8.68	8.88	93262800
		5	9.43	9.33	9.53	63389400

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

Instrument ID: ECD_P **Date(s) Analyzed:** 07/07/2025 07/08/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	3.99	3.89	4.09	27045000
		2	4.08	3.98	4.18	20360400
		3	4.15	4.05	4.25	61448600
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.15	4.05	4.25	46614400
		2	4.88	4.78	4.98	47659800
		3	5.05	4.95	5.15	25029000
		4	5.14	5.04	5.24	21656200
		5	5.31	5.21	5.41	22563400
Aroclor-1262	500	1	6.89	6.79	6.99	147692000
		2	7.15	7.05	7.25	127829000
		3	7.67	7.57	7.77	114019000
		4	7.74	7.64	7.84	184049000
		5	8.23	8.13	8.33	84435600

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

Continuing Calib Date: 07/21/2025 **Initial Calibration Date(s):** 07/08/2025 07/08/2025

Continuing Calib Time: 10:15 **Initial Calibration Time(s):** 14:06 22:16

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.76	4.76	4.66	4.86	0.00
Aroclor-1016-2	(2)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-3	(3)	4.83	4.84	4.74	4.94	0.01
Aroclor-1016-4	(4)	4.95	4.96	4.86	5.06	0.01
Aroclor-1016-5	(5)	5.21	5.21	5.11	5.31	0.00
Aroclor-1260-1	(1)	6.25	6.25	6.15	6.35	0.00
Aroclor-1260-2	(2)	6.44	6.44	6.34	6.54	0.00
Aroclor-1260-3	(3)	6.80	6.81	6.71	6.91	0.01
Aroclor-1260-4	(4)	7.06	7.07	6.97	7.17	0.01
Aroclor-1260-5	(5)	7.31	7.31	7.21	7.41	0.00
Tetrachloro-m-xylene		3.67	3.67	3.57	3.77	0.00
Decachlorobiphenyl		8.70	8.70	8.60	8.80	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

Continuing Calib Date: 07/21/2025 **Initial Calibration Date(s):** 07/08/2025 07/08/2025

Continuing Calib Time: 10:15 **Initial Calibration Time(s):** 14:06 22:16

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.74	4.76	4.66	4.86	0.02
Aroclor-1016-2	(2)	4.76	4.78	4.68	4.88	0.02
Aroclor-1016-3	(3)	4.93	4.95	4.85	5.05	0.02
Aroclor-1016-4	(4)	4.98	5.00	4.90	5.10	0.03
Aroclor-1016-5	(5)	5.19	5.21	5.11	5.31	0.02
Aroclor-1260-1	(1)	6.22	6.24	6.14	6.34	0.02
Aroclor-1260-2	(2)	6.40	6.43	6.33	6.53	0.03
Aroclor-1260-3	(3)	6.56	6.58	6.48	6.68	0.02
Aroclor-1260-4	(4)	7.03	7.05	6.95	7.15	0.02
Aroclor-1260-5	(5)	7.27	7.29	7.19	7.39	0.02
Tetrachloro-m-xylene		3.66	3.68	3.58	3.78	0.02
Decachlorobiphenyl		8.65	8.67	8.57	8.77	0.02

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/08/2025 07/08/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/21/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO112332.D **Time Analyzed:** 10:15

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.757	4.661	4.861	557.420	500.000	11.5
Aroclor-1016-2	4.776	4.680	4.880	558.820	500.000	11.8
Aroclor-1016-3	4.833	4.736	4.936	540.410	500.000	8.1
Aroclor-1016-4	4.953	4.856	5.056	557.830	500.000	11.6
Aroclor-1016-5	5.210	5.113	5.313	536.030	500.000	7.2
Aroclor-1260-1	6.247	6.151	6.351	512.290	500.000	2.5
Aroclor-1260-2	6.437	6.341	6.541	503.430	500.000	0.7
Aroclor-1260-3	6.804	6.707	6.907	494.730	500.000	-1.1
Aroclor-1260-4	7.063	6.967	7.167	504.090	500.000	0.8
Aroclor-1260-5	7.307	7.209	7.409	490.290	500.000	-1.9
Decachlorobiphenyl	8.699	8.603	8.803	47.230	50.000	-5.5
Tetrachloro-m-xylene	3.670	3.573	3.773	59.910	50.000	19.8

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/08/2025 07/08/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/21/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO112332.D **Time Analyzed:** 10:15

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.738	4.661	4.861	497.080	500.000	-0.6
Aroclor-1016-2	4.757	4.679	4.879	506.560	500.000	1.3
Aroclor-1016-3	4.932	4.854	5.054	517.340	500.000	3.5
Aroclor-1016-4	4.975	4.897	5.097	523.900	500.000	4.8
Aroclor-1016-5	5.187	5.109	5.309	527.390	500.000	5.5
Aroclor-1260-1	6.216	6.138	6.338	494.430	500.000	-1.1
Aroclor-1260-2	6.404	6.326	6.526	498.700	500.000	-0.3
Aroclor-1260-3	6.556	6.478	6.678	493.670	500.000	-1.3
Aroclor-1260-4	7.026	6.948	7.148	448.420	500.000	-10.3
Aroclor-1260-5	7.268	7.190	7.390	436.750	500.000	-12.7
Decachlorobiphenyl	8.645	8.568	8.768	44.140	50.000	-11.7
Tetrachloro-m-xylene	3.663	3.584	3.784	54.830	50.000	9.7

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

Continuing Calib Date: 07/21/2025 **Initial Calibration Date(s):** 07/08/2025 07/08/2025

Continuing Calib Time: 16:10 **Initial Calibration Time(s):** 14:06 22:16

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.76	4.76	4.66	4.86	0.00
Aroclor-1016-2	(2)	4.77	4.78	4.68	4.88	0.01
Aroclor-1016-3	(3)	4.83	4.84	4.74	4.94	0.01
Aroclor-1016-4	(4)	4.95	4.96	4.86	5.06	0.01
Aroclor-1016-5	(5)	5.21	5.21	5.11	5.31	0.00
Aroclor-1260-1	(1)	6.25	6.25	6.15	6.35	0.01
Aroclor-1260-2	(2)	6.44	6.44	6.34	6.54	0.01
Aroclor-1260-3	(3)	6.80	6.81	6.71	6.91	0.01
Aroclor-1260-4	(4)	7.06	7.07	6.97	7.17	0.01
Aroclor-1260-5	(5)	7.30	7.31	7.21	7.41	0.01
Tetrachloro-m-xylene		3.67	3.67	3.57	3.77	0.00
Decachlorobiphenyl		8.70	8.70	8.60	8.80	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

Continuing Calib Date: 07/21/2025 **Initial Calibration Date(s):** 07/08/2025 07/08/2025

Continuing Calib Time: 16:10 **Initial Calibration Time(s):** 14:06 22:16

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.74	4.76	4.66	4.86	0.02
Aroclor-1016-2	(2)	4.76	4.78	4.68	4.88	0.02
Aroclor-1016-3	(3)	4.93	4.95	4.85	5.05	0.02
Aroclor-1016-4	(4)	4.97	5.00	4.90	5.10	0.03
Aroclor-1016-5	(5)	5.19	5.21	5.11	5.31	0.02
Aroclor-1260-1	(1)	6.22	6.24	6.14	6.34	0.02
Aroclor-1260-2	(2)	6.40	6.43	6.33	6.53	0.03
Aroclor-1260-3	(3)	6.56	6.58	6.48	6.68	0.03
Aroclor-1260-4	(4)	7.03	7.05	6.95	7.15	0.02
Aroclor-1260-5	(5)	7.27	7.29	7.19	7.39	0.02
Tetrachloro-m-xylene		3.66	3.68	3.58	3.78	0.02
Decachlorobiphenyl		8.65	8.67	8.57	8.77	0.02

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/08/2025 07/08/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/21/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO112346.D **Time Analyzed:** 16:10

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.755	4.661	4.861	493.200	500.000	-1.4
Aroclor-1016-2	4.774	4.680	4.880	504.490	500.000	0.9
Aroclor-1016-3	4.831	4.736	4.936	485.600	500.000	-2.9
Aroclor-1016-4	4.950	4.856	5.056	494.510	500.000	-1.1
Aroclor-1016-5	5.208	5.113	5.313	517.120	500.000	3.4
Aroclor-1260-1	6.245	6.151	6.351	450.880	500.000	-9.8
Aroclor-1260-2	6.435	6.341	6.541	453.990	500.000	-9.2
Aroclor-1260-3	6.801	6.707	6.907	449.210	500.000	-10.2
Aroclor-1260-4	7.061	6.967	7.167	455.120	500.000	-9.0
Aroclor-1260-5	7.304	7.209	7.409	444.970	500.000	-11.0
Decachlorobiphenyl	8.697	8.603	8.803	44.760	50.000	-10.5
Tetrachloro-m-xylene	3.669	3.573	3.773	53.590	50.000	7.2

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/08/2025 07/08/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/21/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO112346.D **Time Analyzed:** 16:10

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.738	4.661	4.861	440.050	500.000	-12.0
Aroclor-1016-2	4.757	4.679	4.879	439.280	500.000	-12.1
Aroclor-1016-3	4.931	4.854	5.054	457.420	500.000	-8.5
Aroclor-1016-4	4.974	4.897	5.097	450.520	500.000	-9.9
Aroclor-1016-5	5.186	5.109	5.309	472.360	500.000	-5.5
Aroclor-1260-1	6.215	6.138	6.338	447.760	500.000	-10.4
Aroclor-1260-2	6.404	6.326	6.526	468.060	500.000	-6.4
Aroclor-1260-3	6.555	6.478	6.678	465.510	500.000	-6.9
Aroclor-1260-4	7.025	6.948	7.148	436.340	500.000	-12.7
Aroclor-1260-5	7.268	7.190	7.390	459.070	500.000	-8.2
Decachlorobiphenyl	8.645	8.568	8.768	43.200	50.000	-13.6
Tetrachloro-m-xylene	3.663	3.584	3.784	49.080	50.000	-1.8

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

Continuing Calib Date: 07/22/2025 **Initial Calibration Date(s):** 07/08/2025 07/08/2025

Continuing Calib Time: 08:57 **Initial Calibration Time(s):** 14:06 22:16

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.76	4.76	4.66	4.86	0.00
Aroclor-1016-2	(2)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-3	(3)	4.84	4.84	4.74	4.94	0.00
Aroclor-1016-4	(4)	4.95	4.96	4.86	5.06	0.01
Aroclor-1016-5	(5)	5.21	5.21	5.11	5.31	0.00
Aroclor-1260-1	(1)	6.25	6.25	6.15	6.35	0.00
Aroclor-1260-2	(2)	6.44	6.44	6.34	6.54	0.00
Aroclor-1260-3	(3)	6.81	6.81	6.71	6.91	0.01
Aroclor-1260-4	(4)	7.06	7.07	6.97	7.17	0.01
Aroclor-1260-5	(5)	7.31	7.31	7.21	7.41	0.00
Tetrachloro-m-xylene		3.67	3.67	3.57	3.77	0.00
Decachlorobiphenyl		8.70	8.70	8.60	8.80	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

Continuing Calib Date: 07/22/2025 **Initial Calibration Date(s):** 07/08/2025 07/08/2025

Continuing Calib Time: 08:57 **Initial Calibration Time(s):** 14:06 22:16

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.74	4.76	4.66	4.86	0.02
Aroclor-1016-2	(2)	4.76	4.78	4.68	4.88	0.02
Aroclor-1016-3	(3)	4.93	4.95	4.85	5.05	0.02
Aroclor-1016-4	(4)	4.97	5.00	4.90	5.10	0.03
Aroclor-1016-5	(5)	5.19	5.21	5.11	5.31	0.03
Aroclor-1260-1	(1)	6.21	6.24	6.14	6.34	0.03
Aroclor-1260-2	(2)	6.40	6.43	6.33	6.53	0.03
Aroclor-1260-3	(3)	6.55	6.58	6.48	6.68	0.03
Aroclor-1260-4	(4)	7.02	7.05	6.95	7.15	0.03
Aroclor-1260-5	(5)	7.27	7.29	7.19	7.39	0.02
Tetrachloro-m-xylene		3.66	3.68	3.58	3.78	0.02
Decachlorobiphenyl		8.64	8.67	8.57	8.77	0.03

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/08/2025 07/08/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/22/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO112366.D **Time Analyzed:** 08:57

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.759	4.661	4.861	518.970	500.000	3.8
Aroclor-1016-2	4.778	4.680	4.880	532.520	500.000	6.5
Aroclor-1016-3	4.835	4.736	4.936	514.470	500.000	2.9
Aroclor-1016-4	4.954	4.856	5.056	522.410	500.000	4.5
Aroclor-1016-5	5.211	5.113	5.313	511.450	500.000	2.3
Aroclor-1260-1	6.249	6.151	6.351	493.780	500.000	-1.2
Aroclor-1260-2	6.439	6.341	6.541	495.000	500.000	-1.0
Aroclor-1260-3	6.805	6.707	6.907	500.210	500.000	0.0
Aroclor-1260-4	7.064	6.967	7.167	503.510	500.000	0.7
Aroclor-1260-5	7.307	7.209	7.409	486.250	500.000	-2.8
Decachlorobiphenyl	8.700	8.603	8.803	49.980	50.000	0.0
Tetrachloro-m-xylene	3.672	3.573	3.773	57.200	50.000	14.4

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/08/2025 07/08/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/22/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO112366.D **Time Analyzed:** 08:57

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.737	4.661	4.861	471.470	500.000	-5.7
Aroclor-1016-2	4.756	4.679	4.879	469.570	500.000	-6.1
Aroclor-1016-3	4.930	4.854	5.054	484.320	500.000	-3.1
Aroclor-1016-4	4.973	4.897	5.097	496.800	500.000	-0.6
Aroclor-1016-5	5.185	5.109	5.309	472.560	500.000	-5.5
Aroclor-1260-1	6.214	6.138	6.338	482.800	500.000	-3.4
Aroclor-1260-2	6.403	6.326	6.526	514.630	500.000	2.9
Aroclor-1260-3	6.554	6.478	6.678	517.520	500.000	3.5
Aroclor-1260-4	7.024	6.948	7.148	501.240	500.000	0.2
Aroclor-1260-5	7.267	7.190	7.390	519.750	500.000	4.0
Decachlorobiphenyl	8.643	8.568	8.768	47.160	50.000	-5.7
Tetrachloro-m-xylene	3.662	3.584	3.784	51.060	50.000	2.1

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

Continuing Calib Date: 07/22/2025 **Initial Calibration Date(s):** 07/08/2025 07/08/2025

Continuing Calib Time: 16:21 **Initial Calibration Time(s):** 14:06 22:16

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.76	4.76	4.66	4.86	0.00
Aroclor-1016-2	(2)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-3	(3)	4.83	4.84	4.74	4.94	0.01
Aroclor-1016-4	(4)	4.95	4.96	4.86	5.06	0.01
Aroclor-1016-5	(5)	5.21	5.21	5.11	5.31	0.00
Aroclor-1260-1	(1)	6.25	6.25	6.15	6.35	0.00
Aroclor-1260-2	(2)	6.44	6.44	6.34	6.54	0.00
Aroclor-1260-3	(3)	6.80	6.81	6.71	6.91	0.01
Aroclor-1260-4	(4)	7.06	7.07	6.97	7.17	0.01
Aroclor-1260-5	(5)	7.30	7.31	7.21	7.41	0.01
Tetrachloro-m-xylene		3.67	3.67	3.57	3.77	0.00
Decachlorobiphenyl		8.70	8.70	8.60	8.80	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

Continuing Calib Date: 07/22/2025 **Initial Calibration Date(s):** 07/08/2025 07/08/2025

Continuing Calib Time: 16:21 **Initial Calibration Time(s):** 14:06 22:16

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.74	4.76	4.66	4.86	0.02
Aroclor-1016-2	(2)	4.76	4.78	4.68	4.88	0.02
Aroclor-1016-3	(3)	4.93	4.95	4.85	5.05	0.02
Aroclor-1016-4	(4)	4.97	5.00	4.90	5.10	0.03
Aroclor-1016-5	(5)	5.19	5.21	5.11	5.31	0.02
Aroclor-1260-1	(1)	6.22	6.24	6.14	6.34	0.02
Aroclor-1260-2	(2)	6.40	6.43	6.33	6.53	0.03
Aroclor-1260-3	(3)	6.55	6.58	6.48	6.68	0.03
Aroclor-1260-4	(4)	7.02	7.05	6.95	7.15	0.03
Aroclor-1260-5	(5)	7.27	7.29	7.19	7.39	0.02
Tetrachloro-m-xylene		3.66	3.68	3.58	3.78	0.02
Decachlorobiphenyl		8.64	8.67	8.57	8.77	0.03

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/08/2025 07/08/2025

Client Sample No.: CCAL04 **Date Analyzed:** 07/22/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO112381.D **Time Analyzed:** 16:21

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.756	4.661	4.861	531.760	500.000	6.4
Aroclor-1016-2	4.775	4.680	4.880	537.930	500.000	7.6
Aroclor-1016-3	4.832	4.736	4.936	518.230	500.000	3.6
Aroclor-1016-4	4.951	4.856	5.056	526.680	500.000	5.3
Aroclor-1016-5	5.209	5.113	5.313	549.170	500.000	9.8
Aroclor-1260-1	6.246	6.151	6.351	488.230	500.000	-2.4
Aroclor-1260-2	6.436	6.341	6.541	488.260	500.000	-2.3
Aroclor-1260-3	6.801	6.707	6.907	477.960	500.000	-4.4
Aroclor-1260-4	7.061	6.967	7.167	504.140	500.000	0.8
Aroclor-1260-5	7.304	7.209	7.409	501.750	500.000	0.4
Decachlorobiphenyl	8.695	8.603	8.803	49.550	50.000	-0.9
Tetrachloro-m-xylene	3.670	3.573	3.773	58.470	50.000	16.9

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/08/2025 07/08/2025

Client Sample No.: CCAL04 **Date Analyzed:** 07/22/2025

Lab Sample No.: AR1660CCC500 **Data File :** PO112381.D **Time Analyzed:** 16:21

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.738	4.661	4.861	492.160	500.000	-1.6
Aroclor-1016-2	4.756	4.679	4.879	479.070	500.000	-4.2
Aroclor-1016-3	4.931	4.854	5.054	496.440	500.000	-0.7
Aroclor-1016-4	4.974	4.897	5.097	492.160	500.000	-1.6
Aroclor-1016-5	5.186	5.109	5.309	516.450	500.000	3.3
Aroclor-1260-1	6.215	6.138	6.338	481.700	500.000	-3.7
Aroclor-1260-2	6.404	6.326	6.526	499.280	500.000	-0.1
Aroclor-1260-3	6.554	6.478	6.678	492.460	500.000	-1.5
Aroclor-1260-4	7.024	6.948	7.148	455.250	500.000	-9.0
Aroclor-1260-5	7.266	7.190	7.390	459.270	500.000	-8.1
Decachlorobiphenyl	8.642	8.568	8.768	46.920	50.000	-6.2
Tetrachloro-m-xylene	3.662	3.584	3.784	53.080	50.000	6.2

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

Continuing Calib Date: 07/21/2025 **Initial Calibration Date(s):** 07/07/2025 07/08/2025

Continuing Calib Time: 08:51 **Initial Calibration Time(s):** 21:03 04:24

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.63	5.64	5.54	5.74	0.01
Aroclor-1016-2	(2)	5.65	5.66	5.56	5.76	0.01
Aroclor-1016-3	(3)	5.72	5.72	5.62	5.82	0.00
Aroclor-1016-4	(4)	5.81	5.82	5.72	5.92	0.01
Aroclor-1016-5	(5)	6.11	6.11	6.01	6.21	0.00
Aroclor-1260-1	(1)	7.22	7.23	7.13	7.33	0.01
Aroclor-1260-2	(2)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-3	(3)	7.83	7.84	7.74	7.94	0.01
Aroclor-1260-4	(4)	8.06	8.06	7.96	8.16	0.00
Aroclor-1260-5	(5)	8.38	8.38	8.28	8.48	0.00
Tetrachloro-m-xylene		4.48	4.49	4.39	4.59	0.01
Decachlorobiphenyl		10.17	10.18	10.08	10.28	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

Continuing Calib Date: 07/21/2025 **Initial Calibration Date(s):** 07/07/2025 07/08/2025

Continuing Calib Time: 08:51 **Initial Calibration Time(s):** 21:03 04:24

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.85	4.86	4.76	4.96	0.01
Aroclor-1016-2	(2)	4.87	4.88	4.78	4.98	0.01
Aroclor-1016-3	(3)	5.04	5.05	4.95	5.15	0.01
Aroclor-1016-4	(4)	5.09	5.09	4.99	5.19	0.00
Aroclor-1016-5	(5)	5.30	5.31	5.21	5.41	0.01
Aroclor-1260-1	(1)	6.33	6.34	6.24	6.44	0.01
Aroclor-1260-2	(2)	6.52	6.53	6.43	6.63	0.01
Aroclor-1260-3	(3)	6.67	6.68	6.58	6.78	0.01
Aroclor-1260-4	(4)	7.14	7.15	7.05	7.25	0.01
Aroclor-1260-5	(5)	7.38	7.39	7.29	7.49	0.01
Tetrachloro-m-xylene		3.77	3.78	3.68	3.88	0.01
Decachlorobiphenyl		8.77	8.78	8.68	8.88	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL05 **Date Analyzed:** 07/21/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP073972.D **Time Analyzed:** 08:51

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.633	5.539	5.739	451.720	500.000	-9.7
Aroclor-1016-2	5.654	5.560	5.760	488.530	500.000	-2.3
Aroclor-1016-3	5.716	5.622	5.822	479.600	500.000	-4.1
Aroclor-1016-4	5.814	5.720	5.920	483.450	500.000	-3.3
Aroclor-1016-5	6.106	6.012	6.212	488.110	500.000	-2.4
Aroclor-1260-1	7.223	7.129	7.329	470.410	500.000	-5.9
Aroclor-1260-2	7.476	7.383	7.583	429.810	500.000	-14.0
Aroclor-1260-3	7.834	7.740	7.940	494.290	500.000	-1.1
Aroclor-1260-4	8.057	7.964	8.164	508.080	500.000	1.6
Aroclor-1260-5	8.375	8.283	8.483	513.090	500.000	2.6
Decachlorobiphenyl	10.166	10.076	10.276	53.820	50.000	7.6
Tetrachloro-m-xylene	4.482	4.388	4.588	51.200	50.000	2.4

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL05 **Date Analyzed:** 07/21/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP073972.D **Time Analyzed:** 08:51

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.849	4.758	4.958	471.860	500.000	-5.6
Aroclor-1016-2	4.867	4.775	4.975	478.870	500.000	-4.2
Aroclor-1016-3	5.043	4.951	5.151	489.440	500.000	-2.1
Aroclor-1016-4	5.085	4.993	5.193	487.850	500.000	-2.4
Aroclor-1016-5	5.298	5.207	5.407	494.440	500.000	-1.1
Aroclor-1260-1	6.328	6.237	6.437	472.030	500.000	-5.6
Aroclor-1260-2	6.516	6.425	6.625	470.640	500.000	-5.9
Aroclor-1260-3	6.668	6.577	6.777	469.520	500.000	-6.1
Aroclor-1260-4	7.137	7.046	7.246	489.920	500.000	-2.0
Aroclor-1260-5	7.379	7.289	7.489	491.630	500.000	-1.7
Decachlorobiphenyl	8.769	8.680	8.880	55.590	50.000	11.2
Tetrachloro-m-xylene	3.772	3.678	3.878	48.690	50.000	-2.6

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

Continuing Calib Date: 07/21/2025 **Initial Calibration Date(s):** 07/07/2025 07/08/2025

Continuing Calib Time: 15:18 **Initial Calibration Time(s):** 21:03 04:24

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.63	5.64	5.54	5.74	0.01
Aroclor-1016-2	(2)	5.66	5.66	5.56	5.76	0.00
Aroclor-1016-3	(3)	5.72	5.72	5.62	5.82	0.00
Aroclor-1016-4	(4)	5.82	5.82	5.72	5.92	0.00
Aroclor-1016-5	(5)	6.11	6.11	6.01	6.21	0.00
Aroclor-1260-1	(1)	7.22	7.23	7.13	7.33	0.01
Aroclor-1260-2	(2)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-3	(3)	7.84	7.84	7.74	7.94	0.00
Aroclor-1260-4	(4)	8.06	8.06	7.96	8.16	0.00
Aroclor-1260-5	(5)	8.38	8.38	8.28	8.48	0.00
Tetrachloro-m-xylene		4.48	4.49	4.39	4.59	0.01
Decachlorobiphenyl		10.17	10.18	10.08	10.28	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

Continuing Calib Date: 07/21/2025 **Initial Calibration Date(s):** 07/07/2025 07/08/2025

Continuing Calib Time: 15:18 **Initial Calibration Time(s):** 21:03 04:24

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.85	4.86	4.76	4.96	0.01
Aroclor-1016-2	(2)	4.87	4.88	4.78	4.98	0.01
Aroclor-1016-3	(3)	5.05	5.05	4.95	5.15	0.00
Aroclor-1016-4	(4)	5.09	5.09	4.99	5.19	0.00
Aroclor-1016-5	(5)	5.30	5.31	5.21	5.41	0.01
Aroclor-1260-1	(1)	6.33	6.34	6.24	6.44	0.01
Aroclor-1260-2	(2)	6.52	6.53	6.43	6.63	0.01
Aroclor-1260-3	(3)	6.67	6.68	6.58	6.78	0.01
Aroclor-1260-4	(4)	7.14	7.15	7.05	7.25	0.01
Aroclor-1260-5	(5)	7.38	7.39	7.29	7.49	0.01
Tetrachloro-m-xylene		3.77	3.78	3.68	3.88	0.01
Decachlorobiphenyl		8.77	8.78	8.68	8.88	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL06 **Date Analyzed:** 07/21/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP073987.D **Time Analyzed:** 15:18

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.634	5.539	5.739	447.980	500.000	-10.4
Aroclor-1016-2	5.655	5.560	5.760	488.950	500.000	-2.2
Aroclor-1016-3	5.717	5.622	5.822	483.620	500.000	-3.3
Aroclor-1016-4	5.815	5.720	5.920	487.720	500.000	-2.5
Aroclor-1016-5	6.107	6.012	6.212	490.820	500.000	-1.8
Aroclor-1260-1	7.223	7.129	7.329	477.040	500.000	-4.6
Aroclor-1260-2	7.477	7.383	7.583	431.310	500.000	-13.7
Aroclor-1260-3	7.835	7.740	7.940	484.320	500.000	-3.1
Aroclor-1260-4	8.058	7.964	8.164	499.440	500.000	-0.1
Aroclor-1260-5	8.376	8.283	8.483	502.480	500.000	0.5
Decachlorobiphenyl	10.168	10.076	10.276	53.680	50.000	7.4
Tetrachloro-m-xylene	4.482	4.388	4.588	50.840	50.000	1.7

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL06 **Date Analyzed:** 07/21/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP073987.D **Time Analyzed:** 15:18

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.851	4.758	4.958	523.290	500.000	4.7
Aroclor-1016-2	4.869	4.775	4.975	525.770	500.000	5.2
Aroclor-1016-3	5.045	4.951	5.151	530.150	500.000	6.0
Aroclor-1016-4	5.086	4.993	5.193	529.020	500.000	5.8
Aroclor-1016-5	5.301	5.207	5.407	537.530	500.000	7.5
Aroclor-1260-1	6.330	6.237	6.437	529.710	500.000	5.9
Aroclor-1260-2	6.519	6.425	6.625	534.970	500.000	7.0
Aroclor-1260-3	6.670	6.577	6.777	517.150	500.000	3.4
Aroclor-1260-4	7.139	7.046	7.246	539.350	500.000	7.9
Aroclor-1260-5	7.382	7.289	7.489	536.370	500.000	7.3
Decachlorobiphenyl	8.772	8.680	8.880	60.720	50.000	21.4
Tetrachloro-m-xylene	3.774	3.678	3.878	53.660	50.000	7.3

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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

Continuing Calib Date: 07/21/2025 **Initial Calibration Date(s):** 07/07/2025 07/08/2025

Continuing Calib Time: 20:12 **Initial Calibration Time(s):** 21:03 04:24

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	5.63	5.64	5.54	5.74	0.01
Aroclor-1016-2	(2)	5.66	5.66	5.56	5.76	0.00
Aroclor-1016-3	(3)	5.72	5.72	5.62	5.82	0.00
Aroclor-1016-4	(4)	5.81	5.82	5.72	5.92	0.01
Aroclor-1016-5	(5)	6.11	6.11	6.01	6.21	0.00
Aroclor-1260-1	(1)	7.22	7.23	7.13	7.33	0.01
Aroclor-1260-2	(2)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-3	(3)	7.84	7.84	7.74	7.94	0.00
Aroclor-1260-4	(4)	8.06	8.06	7.96	8.16	0.00
Aroclor-1260-5	(5)	8.38	8.38	8.28	8.48	0.00
Tetrachloro-m-xylene		4.48	4.49	4.39	4.59	0.01
Decachlorobiphenyl		10.17	10.18	10.08	10.28	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

Continuing Calib Date: 07/21/2025 **Initial Calibration Date(s):** 07/07/2025 07/08/2025

Continuing Calib Time: 20:12 **Initial Calibration Time(s):** 21:03 04:24

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.85	4.86	4.76	4.96	0.01
Aroclor-1016-2	(2)	4.87	4.88	4.78	4.98	0.01
Aroclor-1016-3	(3)	5.05	5.05	4.95	5.15	0.00
Aroclor-1016-4	(4)	5.09	5.09	4.99	5.19	0.00
Aroclor-1016-5	(5)	5.30	5.31	5.21	5.41	0.01
Aroclor-1260-1	(1)	6.33	6.34	6.24	6.44	0.01
Aroclor-1260-2	(2)	6.52	6.53	6.43	6.63	0.01
Aroclor-1260-3	(3)	6.67	6.68	6.58	6.78	0.01
Aroclor-1260-4	(4)	7.14	7.15	7.05	7.25	0.01
Aroclor-1260-5	(5)	7.38	7.39	7.29	7.49	0.01
Tetrachloro-m-xylene		3.77	3.78	3.68	3.88	0.01
Decachlorobiphenyl		8.77	8.78	8.68	8.88	0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL07 **Date Analyzed:** 07/21/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP074002.D **Time Analyzed:** 20:12

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.633	5.539	5.739	417.670	500.000	-16.5
Aroclor-1016-2	5.655	5.560	5.760	441.230	500.000	-11.8
Aroclor-1016-3	5.717	5.622	5.822	440.930	500.000	-11.8
Aroclor-1016-4	5.814	5.720	5.920	447.640	500.000	-10.5
Aroclor-1016-5	6.106	6.012	6.212	447.640	500.000	-10.5
Aroclor-1260-1	7.223	7.129	7.329	436.450	500.000	-12.7
Aroclor-1260-2	7.476	7.383	7.583	388.210	500.000	-22.4
Aroclor-1260-3	7.835	7.740	7.940	446.560	500.000	-10.7
Aroclor-1260-4	8.058	7.964	8.164	457.200	500.000	-8.6
Aroclor-1260-5	8.375	8.283	8.483	463.250	500.000	-7.4
Decachlorobiphenyl	10.167	10.076	10.276	49.370	50.000	-1.3
Tetrachloro-m-xylene	4.482	4.388	4.588	46.140	50.000	-7.7

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **SDG NO.:** Q2645

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/07/2025 07/07/2025

Client Sample No.: CCAL07 **Date Analyzed:** 07/21/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP074002.D **Time Analyzed:** 20:12

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.851	4.758	4.958	493.890	500.000	-1.2
Aroclor-1016-2	4.868	4.775	4.975	499.810	500.000	0.0
Aroclor-1016-3	5.045	4.951	5.151	503.470	500.000	0.7
Aroclor-1016-4	5.086	4.993	5.193	504.400	500.000	0.9
Aroclor-1016-5	5.300	5.207	5.407	538.420	500.000	7.7
Aroclor-1260-1	6.328	6.237	6.437	491.430	500.000	-1.7
Aroclor-1260-2	6.518	6.425	6.625	498.630	500.000	-0.3
Aroclor-1260-3	6.669	6.577	6.777	486.440	500.000	-2.7
Aroclor-1260-4	7.138	7.046	7.246	498.710	500.000	-0.3
Aroclor-1260-5	7.381	7.289	7.489	492.290	500.000	-1.5
Decachlorobiphenyl	8.770	8.680	8.880	55.670	50.000	11.3
Tetrachloro-m-xylene	3.774	3.678	3.878	49.390	50.000	-1.2

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Analytical Sequence

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2645

Project: NWIRP Bethpage 112G08005-WE13 **Instrument ID:** ECD_O

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 07/08/2025 07/08/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	07/08/2025	13:49	PO112087.D	8.70	3.67
AR1660ICC1000	AR1660ICC1000	07/08/2025	14:06	PO112088.D	8.70	3.67
AR1660ICC750	AR1660ICC750	07/08/2025	14:25	PO112089.D	8.70	3.67
AR1660ICC500	AR1660ICC500	07/08/2025	14:43	PO112090.D	8.70	3.67
AR1660ICC250	AR1660ICC250	07/08/2025	15:02	PO112091.D	8.70	3.67
AR1660ICC050	AR1660ICC050	07/08/2025	15:21	PO112092.D	8.70	3.67
AR1221ICC500	AR1221ICC500	07/08/2025	15:38	PO112093.D	8.70	3.67
AR1232ICC500	AR1232ICC500	07/08/2025	15:57	PO112094.D	8.70	3.67
AR1242ICC1000	AR1242ICC1000	07/08/2025	16:15	PO112095.D	8.70	3.67
AR1242ICC750	AR1242ICC750	07/08/2025	16:34	PO112096.D	8.70	3.67
AR1242ICC500	AR1242ICC500	07/08/2025	16:52	PO112097.D	8.70	3.67
AR1242ICC250	AR1242ICC250	07/08/2025	17:11	PO112098.D	8.70	3.67
AR1242ICC050	AR1242ICC050	07/08/2025	17:29	PO112099.D	8.70	3.67
AR1248ICC1000	AR1248ICC1000	07/08/2025	17:48	PO112100.D	8.70	3.67
AR1248ICC750	AR1248ICC750	07/08/2025	18:05	PO112101.D	8.70	3.67
AR1248ICC500	AR1248ICC500	07/08/2025	18:24	PO112102.D	8.70	3.67
AR1248ICC250	AR1248ICC250	07/08/2025	18:41	PO112103.D	8.70	3.67
AR1248ICC050	AR1248ICC050	07/08/2025	18:59	PO112104.D	8.70	3.67
AR1254ICC1000	AR1254ICC1000	07/08/2025	19:18	PO112105.D	8.70	3.67
AR1254ICC750	AR1254ICC750	07/08/2025	19:35	PO112106.D	8.70	3.67
AR1254ICC500	AR1254ICC500	07/08/2025	19:54	PO112107.D	8.70	3.67
AR1254ICC250	AR1254ICC250	07/08/2025	20:11	PO112108.D	8.70	3.67
AR1254ICC050	AR1254ICC050	07/08/2025	20:28	PO112109.D	8.70	3.67
AR1262ICC500	AR1262ICC500	07/08/2025	20:47	PO112110.D	8.70	3.67
AR1268ICC1000	AR1268ICC1000	07/08/2025	21:04	PO112111.D	8.70	3.67
AR1268ICC750	AR1268ICC750	07/08/2025	21:22	PO112112.D	8.70	3.67
AR1268ICC500	AR1268ICC500	07/08/2025	21:39	PO112113.D	8.70	3.67
AR1268ICC250	AR1268ICC250	07/08/2025	21:57	PO112114.D	8.70	3.67
AR1268ICC050	AR1268ICC050	07/08/2025	22:16	PO112115.D	8.70	3.67
AR1660CCC500	AR1660CCC500	07/21/2025	10:15	PO112332.D	8.70	3.67
I.BLK	I.BLK	07/21/2025	12:34	PO112336.D	8.70	3.67
RW5B-CARBON-20250716	Q2645-02	07/21/2025	15:16	PO112345.D	8.70	3.67
AR1660CCC500	AR1660CCC500	07/21/2025	16:10	PO112346.D	8.70	3.67
I.BLK	I.BLK	07/21/2025	17:38	PO112350.D	8.70	3.67
AR1660CCC500	AR1660CCC500	07/22/2025	08:57	PO112366.D	8.70	3.67
I.BLK	I.BLK	07/22/2025	10:08	PO112370.D	8.70	3.67
PB168946BL	PB168946BL	07/22/2025	13:35	PO112375.D	8.70	3.67
PB168946BS	PB168946BS	07/22/2025	13:53	PO112376.D	8.69	3.67
RW5B-CARBON-20250716RX	Q2645-02RX	07/22/2025	14:12	PO112377.D	8.70	3.67
WC-1MS	Q2649-01MS	07/22/2025	14:48	PO112379.D	8.69	3.67
WC-1MSD	Q2649-01MSD	07/22/2025	15:07	PO112380.D	8.70	3.67
AR1660CCC500	AR1660CCC500	07/22/2025	16:21	PO112381.D	8.70	3.67

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Fax : 908 789 8922

Analytical Sequence

I.BLK	I.BLK	07/22/2025	17:32	PO112385.D	8.70	3.67
I.BLK	I.BLK	07/07/2025	20:30	PP073553.D	10.18	4.49
AR1660ICC1000	AR1660ICC1000	07/07/2025	21:03	PP073554.D	10.18	4.49
AR1660ICC750	AR1660ICC750	07/07/2025	21:19	PP073555.D	10.18	4.49
AR1660ICC500	AR1660ICC500	07/07/2025	21:35	PP073556.D	10.18	4.49
AR1660ICC250	AR1660ICC250	07/07/2025	21:52	PP073557.D	10.18	4.49
AR1660ICC050	AR1660ICC050	07/07/2025	22:08	PP073558.D	10.17	4.49
AR1221ICC500	AR1221ICC500	07/07/2025	22:24	PP073559.D	10.18	4.49
AR1232ICC500	AR1232ICC500	07/07/2025	22:41	PP073560.D	10.18	4.49
AR1242ICC1000	AR1242ICC1000	07/07/2025	22:57	PP073561.D	10.18	4.49
AR1242ICC750	AR1242ICC750	07/07/2025	23:14	PP073562.D	10.18	4.49
AR1242ICC500	AR1242ICC500	07/07/2025	23:30	PP073563.D	10.17	4.49
AR1242ICC250	AR1242ICC250	07/07/2025	23:46	PP073564.D	10.18	4.49
AR1242ICC050	AR1242ICC050	07/08/2025	00:03	PP073565.D	10.17	4.49
AR1248ICC1000	AR1248ICC1000	07/08/2025	00:19	PP073566.D	10.18	4.49
AR1248ICC750	AR1248ICC750	07/08/2025	00:35	PP073567.D	10.18	4.49
AR1248ICC500	AR1248ICC500	07/08/2025	00:52	PP073568.D	10.17	4.49
AR1248ICC250	AR1248ICC250	07/08/2025	01:08	PP073569.D	10.18	4.49
AR1248ICC050	AR1248ICC050	07/08/2025	01:25	PP073570.D	10.17	4.49
AR1254ICC1000	AR1254ICC1000	07/08/2025	01:41	PP073571.D	10.18	4.49
AR1254ICC750	AR1254ICC750	07/08/2025	01:57	PP073572.D	10.18	4.49
AR1254ICC500	AR1254ICC500	07/08/2025	02:14	PP073573.D	10.17	4.49
AR1254ICC250	AR1254ICC250	07/08/2025	02:30	PP073574.D	10.18	4.49
AR1254ICC050	AR1254ICC050	07/08/2025	02:46	PP073575.D	10.18	4.49
AR1262ICC500	AR1262ICC500	07/08/2025	03:03	PP073576.D	10.18	4.49
AR1268ICC1000	AR1268ICC1000	07/08/2025	03:19	PP073577.D	10.18	4.49
AR1268ICC750	AR1268ICC750	07/08/2025	03:35	PP073578.D	10.18	4.49
AR1268ICC500	AR1268ICC500	07/08/2025	03:52	PP073579.D	10.18	4.49
AR1268ICC250	AR1268ICC250	07/08/2025	04:08	PP073580.D	10.17	4.49
AR1268ICC050	AR1268ICC050	07/08/2025	04:24	PP073581.D	10.18	4.49
AR1660CCC500	AR1660CCC500	07/21/2025	08:51	PP073972.D	10.17	4.48
I.BLK	I.BLK	07/21/2025	09:56	PP073976.D	10.17	4.48
RT2286MS	Q2635-01MS	07/21/2025	13:40	PP073984.D	10.17	4.48
RT2286MSD	Q2635-01MSD	07/21/2025	13:56	PP073985.D	10.17	4.49
AR1660CCC500	AR1660CCC500	07/21/2025	15:18	PP073987.D	10.17	4.48
I.BLK	I.BLK	07/21/2025	16:23	PP073991.D	10.17	4.48
PB168927BL	PB168927BL	07/21/2025	16:39	PP073992.D	10.17	4.48
PB168927BS	PB168927BS	07/21/2025	16:56	PP073993.D	10.17	4.49
AR1660CCC500	AR1660CCC500	07/21/2025	20:12	PP074002.D	10.17	4.48
I.BLK	I.BLK	07/21/2025	21:34	PP074006.D	10.16	4.48

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

Analytical Sequence

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2645

Project: NWIRP Bethpage 112G08005-WE13 **Instrument ID:** ECD_O

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 07/08/2025 07/08/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	07/08/2025	13:49	PO112087.D	8.65	3.67
AR1660ICC1000	AR1660ICC1000	07/08/2025	14:06	PO112088.D	8.65	3.67
AR1660ICC750	AR1660ICC750	07/08/2025	14:25	PO112089.D	8.65	3.67
AR1660ICC500	AR1660ICC500	07/08/2025	14:43	PO112090.D	8.67	3.68
AR1660ICC250	AR1660ICC250	07/08/2025	15:02	PO112091.D	8.65	3.67
AR1660ICC050	AR1660ICC050	07/08/2025	15:21	PO112092.D	8.65	3.67
AR1221ICC500	AR1221ICC500	07/08/2025	15:38	PO112093.D	8.65	3.67
AR1232ICC500	AR1232ICC500	07/08/2025	15:57	PO112094.D	8.65	3.67
AR1242ICC1000	AR1242ICC1000	07/08/2025	16:15	PO112095.D	8.65	3.67
AR1242ICC750	AR1242ICC750	07/08/2025	16:34	PO112096.D	8.65	3.67
AR1242ICC500	AR1242ICC500	07/08/2025	16:52	PO112097.D	8.65	3.67
AR1242ICC250	AR1242ICC250	07/08/2025	17:11	PO112098.D	8.65	3.67
AR1242ICC050	AR1242ICC050	07/08/2025	17:29	PO112099.D	8.65	3.67
AR1248ICC1000	AR1248ICC1000	07/08/2025	17:48	PO112100.D	8.65	3.67
AR1248ICC750	AR1248ICC750	07/08/2025	18:05	PO112101.D	8.65	3.67
AR1248ICC500	AR1248ICC500	07/08/2025	18:24	PO112102.D	8.65	3.67
AR1248ICC250	AR1248ICC250	07/08/2025	18:41	PO112103.D	8.65	3.67
AR1248ICC050	AR1248ICC050	07/08/2025	18:59	PO112104.D	8.65	3.67
AR1254ICC1000	AR1254ICC1000	07/08/2025	19:18	PO112105.D	8.65	3.67
AR1254ICC750	AR1254ICC750	07/08/2025	19:35	PO112106.D	8.65	3.67
AR1254ICC500	AR1254ICC500	07/08/2025	19:54	PO112107.D	8.65	3.67
AR1254ICC250	AR1254ICC250	07/08/2025	20:11	PO112108.D	8.65	3.67
AR1254ICC050	AR1254ICC050	07/08/2025	20:28	PO112109.D	8.65	3.67
AR1262ICC500	AR1262ICC500	07/08/2025	20:47	PO112110.D	8.65	3.67
AR1268ICC1000	AR1268ICC1000	07/08/2025	21:04	PO112111.D	8.65	3.67
AR1268ICC750	AR1268ICC750	07/08/2025	21:22	PO112112.D	8.65	3.67
AR1268ICC500	AR1268ICC500	07/08/2025	21:39	PO112113.D	8.65	3.67
AR1268ICC250	AR1268ICC250	07/08/2025	21:57	PO112114.D	8.65	3.67
AR1268ICC050	AR1268ICC050	07/08/2025	22:16	PO112115.D	8.65	3.67
AR1660CCC500	AR1660CCC500	07/21/2025	10:15	PO112332.D	8.65	3.66
I.BLK	I.BLK	07/21/2025	12:34	PO112336.D	8.65	3.66
RW5B-CARBON-20250716	Q2645-02	07/21/2025	15:16	PO112345.D	8.64	3.66
AR1660CCC500	AR1660CCC500	07/21/2025	16:10	PO112346.D	8.65	3.66
I.BLK	I.BLK	07/21/2025	17:38	PO112350.D	8.65	3.66
AR1660CCC500	AR1660CCC500	07/22/2025	08:57	PO112366.D	8.64	3.66
I.BLK	I.BLK	07/22/2025	10:08	PO112370.D	8.64	3.66
PB168946BL	PB168946BL	07/22/2025	13:35	PO112375.D	8.64	3.66
PB168946BS	PB168946BS	07/22/2025	13:53	PO112376.D	8.64	3.66
RW5B-CARBON-20250716RX	Q2645-02RX	07/22/2025	14:12	PO112377.D	8.67	3.66
WC-1MS	Q2649-01MS	07/22/2025	14:48	PO112379.D	8.64	3.66
WC-1MSD	Q2649-01MSD	07/22/2025	15:07	PO112380.D	8.64	3.66
AR1660CCC500	AR1660CCC500	07/22/2025	16:21	PO112381.D	8.64	3.66

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Analytical Sequence

I.BLK	I.BLK	07/22/2025	17:32	PO112385.D	8.64	3.66
I.BLK	I.BLK	07/07/2025	20:30	PP073553.D	8.78	3.78
AR1660ICC1000	AR1660ICC1000	07/07/2025	21:03	PP073554.D	8.78	3.78
AR1660ICC750	AR1660ICC750	07/07/2025	21:19	PP073555.D	8.78	3.78
AR1660ICC500	AR1660ICC500	07/07/2025	21:35	PP073556.D	8.78	3.78
AR1660ICC250	AR1660ICC250	07/07/2025	21:52	PP073557.D	8.78	3.78
AR1660ICC050	AR1660ICC050	07/07/2025	22:08	PP073558.D	8.78	3.78
AR1221ICC500	AR1221ICC500	07/07/2025	22:24	PP073559.D	8.78	3.78
AR1232ICC500	AR1232ICC500	07/07/2025	22:41	PP073560.D	8.78	3.78
AR1242ICC1000	AR1242ICC1000	07/07/2025	22:57	PP073561.D	8.78	3.78
AR1242ICC750	AR1242ICC750	07/07/2025	23:14	PP073562.D	8.78	3.78
AR1242ICC500	AR1242ICC500	07/07/2025	23:30	PP073563.D	8.78	3.78
AR1242ICC250	AR1242ICC250	07/07/2025	23:46	PP073564.D	8.78	3.78
AR1242ICC050	AR1242ICC050	07/08/2025	00:03	PP073565.D	8.78	3.78
AR1248ICC1000	AR1248ICC1000	07/08/2025	00:19	PP073566.D	8.78	3.78
AR1248ICC750	AR1248ICC750	07/08/2025	00:35	PP073567.D	8.78	3.78
AR1248ICC500	AR1248ICC500	07/08/2025	00:52	PP073568.D	8.78	3.78
AR1248ICC250	AR1248ICC250	07/08/2025	01:08	PP073569.D	8.78	3.78
AR1248ICC050	AR1248ICC050	07/08/2025	01:25	PP073570.D	8.78	3.78
AR1254ICC1000	AR1254ICC1000	07/08/2025	01:41	PP073571.D	8.78	3.78
AR1254ICC750	AR1254ICC750	07/08/2025	01:57	PP073572.D	8.78	3.78
AR1254ICC500	AR1254ICC500	07/08/2025	02:14	PP073573.D	8.78	3.78
AR1254ICC250	AR1254ICC250	07/08/2025	02:30	PP073574.D	8.78	3.78
AR1254ICC050	AR1254ICC050	07/08/2025	02:46	PP073575.D	8.78	3.78
AR1262ICC500	AR1262ICC500	07/08/2025	03:03	PP073576.D	8.78	3.78
AR1268ICC1000	AR1268ICC1000	07/08/2025	03:19	PP073577.D	8.78	3.78
AR1268ICC750	AR1268ICC750	07/08/2025	03:35	PP073578.D	8.78	3.78
AR1268ICC500	AR1268ICC500	07/08/2025	03:52	PP073579.D	8.78	3.78
AR1268ICC250	AR1268ICC250	07/08/2025	04:08	PP073580.D	8.78	3.78
AR1268ICC050	AR1268ICC050	07/08/2025	04:24	PP073581.D	8.78	3.78
AR1660CCC500	AR1660CCC500	07/21/2025	08:51	PP073972.D	8.77	3.77
I.BLK	I.BLK	07/21/2025	09:56	PP073976.D	8.77	3.77
RT2286MS	Q2635-01MS	07/21/2025	13:40	PP073984.D	8.77	3.77
RT2286MSD	Q2635-01MSD	07/21/2025	13:56	PP073985.D	8.77	3.77
AR1660CCC500	AR1660CCC500	07/21/2025	15:18	PP073987.D	8.77	3.77
I.BLK	I.BLK	07/21/2025	16:23	PP073991.D	8.77	3.77
PB168927BL	PB168927BL	07/21/2025	16:39	PP073992.D	8.77	3.78
PB168927BS	PB168927BS	07/21/2025	16:56	PP073993.D	8.77	3.78
AR1660CCC500	AR1660CCC500	07/21/2025	20:12	PP074002.D	8.77	3.77
I.BLK	I.BLK	07/21/2025	21:34	PP074006.D	8.77	3.77

QC SAMPLE DATA

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB168927BL	SDG No.:	Q2645
Lab Sample ID:	PB168927BL	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073992.D	1	07/21/25 08:30	07/21/25 16:39	PB168927

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	8.30	U	3.90	8.30	17.0	ug/kg
11104-28-2	Aroclor-1221	13.0	U	4.00	13.0	17.0	ug/kg
11141-16-5	Aroclor-1232	8.30	U	3.70	8.30	17.0	ug/kg
53469-21-9	Aroclor-1242	8.30	U	4.00	8.30	17.0	ug/kg
12672-29-6	Aroclor-1248	13.0	U	5.90	13.0	17.0	ug/kg
11097-69-1	Aroclor-1254	8.30	U	3.20	8.30	17.0	ug/kg
37324-23-5	Aroclor-1262	13.0	U	5.00	13.0	17.0	ug/kg
11100-14-4	Aroclor-1268	8.30	U	3.60	8.30	17.0	ug/kg
11096-82-5	Aroclor-1260	8.30	U	3.20	8.30	17.0	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	18.9		44 - 130		94%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.9		60 - 125		109%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB168946BL	SDG No.:	Q2645
Lab Sample ID:	PB168946BL	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112375.D	1	07/22/25 09:40	07/22/25 13:35	PB168946

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	8.30	U	3.90	8.30	17.0	ug/kg
11104-28-2	Aroclor-1221	13.0	U	4.00	13.0	17.0	ug/kg
11141-16-5	Aroclor-1232	8.30	U	3.70	8.30	17.0	ug/kg
53469-21-9	Aroclor-1242	8.30	U	4.00	8.30	17.0	ug/kg
12672-29-6	Aroclor-1248	13.0	U	5.90	13.0	17.0	ug/kg
11097-69-1	Aroclor-1254	8.30	U	3.20	8.30	17.0	ug/kg
37324-23-5	Aroclor-1262	13.0	U	5.00	13.0	17.0	ug/kg
11100-14-4	Aroclor-1268	8.30	U	3.60	8.30	17.0	ug/kg
11096-82-5	Aroclor-1260	8.30	U	3.20	8.30	17.0	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	20.9		44 - 130		104%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.6		60 - 125		98%	SPK: 20

Comments:

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MDL = Method Detection Limit
LOD = Limit of Detection
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P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/08/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/08/25
Client Sample ID:	PIBLK-PO112087.D	SDG No.:	Q2645
Lab Sample ID:	I.BLK-PO112087.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112087.D	1		07/08/25	po070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.097	0.25	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.13	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.096	0.25	0.50	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.12	0.25	0.50	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.071	0.25	0.50	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.094	0.25	0.50	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.25	U	0.11	0.25	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	19.4		60 - 140		97%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.8		60 - 140		94%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

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() = Laboratory InHouse Limit

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/21/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/21/25
Client Sample ID:	PIBLK-PO112336.D	SDG No.:	Q2645
Lab Sample ID:	I.BLK-PO112336.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112336.D	1		07/21/25	po072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.097	0.25	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.13	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.096	0.25	0.50	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.12	0.25	0.50	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.071	0.25	0.50	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.094	0.25	0.50	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.25	U	0.11	0.25	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	20.7		60 - 140		104%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.7		60 - 140		88%	SPK: 20

Comments:

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M = MS/MSD acceptance criteria did not meet requirements

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B = Analyte Found in Associated Method Blank
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/21/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/21/25
Client Sample ID:	PIBLK-PO112350.D	SDG No.:	Q2645
Lab Sample ID:	I.BLK-PO112350.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112350.D	1		07/21/25	po072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.097	0.25	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.13	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.096	0.25	0.50	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.12	0.25	0.50	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.071	0.25	0.50	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.094	0.25	0.50	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.25	U	0.11	0.25	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	19.0		60 - 140		95%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.4		60 - 140		87%	SPK: 20

Comments:

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() = Laboratory InHouse Limit

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/22/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/22/25
Client Sample ID:	PIBLK-PO112370.D	SDG No.:	Q2645
Lab Sample ID:	I.BLK-PO112370.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112370.D	1		07/22/25	po072225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.097	0.25	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.13	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.096	0.25	0.50	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.12	0.25	0.50	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.071	0.25	0.50	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.094	0.25	0.50	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.25	U	0.11	0.25	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	18.3		60 - 140		91%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.4		60 - 140		87%	SPK: 20

Comments:

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() = Laboratory InHouse Limit

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/22/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/22/25
Client Sample ID:	PIBLK-PO112385.D	SDG No.:	Q2645
Lab Sample ID:	I.BLK-PO112385.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112385.D	1		07/22/25	po072225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.097	0.25	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.13	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.096	0.25	0.50	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.12	0.25	0.50	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.071	0.25	0.50	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.094	0.25	0.50	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.25	U	0.11	0.25	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	18.1		60 - 140		90%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.4		60 - 140		87%	SPK: 20

Comments:

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/07/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/07/25
Client Sample ID:	PIBLK-PP073553.D	SDG No.:	Q2645
Lab Sample ID:	I.BLK-PP073553.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073553.D	1		07/07/25	pp070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.097	0.25	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.13	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.096	0.25	0.50	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.12	0.25	0.50	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.071	0.25	0.50	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.094	0.25	0.50	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.25	U	0.11	0.25	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	16.2		60 - 140		81%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.1		60 - 140		85%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/21/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/21/25
Client Sample ID:	PIBLK-PP073976.D	SDG No.:	Q2645
Lab Sample ID:	I.BLK-PP073976.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073976.D	1		07/21/25	pp072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.097	0.25	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.13	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.096	0.25	0.50	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.12	0.25	0.50	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.071	0.25	0.50	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.094	0.25	0.50	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.25	U	0.11	0.25	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	16.8		60 - 140		84%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.6		60 - 140		88%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
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() = Laboratory InHouse Limit

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/21/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/21/25
Client Sample ID:	PIBLK-PP073991.D	SDG No.:	Q2645
Lab Sample ID:	I.BLK-PP073991.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073991.D	1		07/21/25	pp072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.097	0.25	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.13	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.096	0.25	0.50	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.12	0.25	0.50	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.071	0.25	0.50	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.094	0.25	0.50	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.25	U	0.11	0.25	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	15.8		60 - 140		79%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.7		60 - 140		83%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
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E = Value Exceeds Calibration Range
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() = Laboratory InHouse Limit

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/21/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/21/25
Client Sample ID:	PIBLK-PP074006.D	SDG No.:	Q2645
Lab Sample ID:	I.BLK-PP074006.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP074006.D	1		07/21/25	pp072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.097	0.25	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.13	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.096	0.25	0.50	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.12	0.25	0.50	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.071	0.25	0.50	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.094	0.25	0.50	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.25	U	0.11	0.25	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	15.8		60 - 140		79%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.1		60 - 140		85%	SPK: 20

Comments:

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() = Laboratory InHouse Limit

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB168927BS	SDG No.:	Q2645
Lab Sample ID:	PB168927BS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073993.D	1	07/21/25 08:30	07/21/25 16:56	PB168927

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	153		3.90	8.30	17.0	ug/kg
11104-28-2	Aroclor-1221	13.0	U	4.00	13.0	17.0	ug/kg
11141-16-5	Aroclor-1232	8.30	U	3.70	8.30	17.0	ug/kg
53469-21-9	Aroclor-1242	8.30	U	4.00	8.30	17.0	ug/kg
12672-29-6	Aroclor-1248	13.0	U	5.90	13.0	17.0	ug/kg
11097-69-1	Aroclor-1254	8.30	U	3.20	8.30	17.0	ug/kg
37324-23-5	Aroclor-1262	13.0	U	5.00	13.0	17.0	ug/kg
11100-14-4	Aroclor-1268	8.30	U	3.60	8.30	17.0	ug/kg
11096-82-5	Aroclor-1260	154		3.20	8.30	17.0	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	19.3		44 - 130		96%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.9		60 - 125		120%	SPK: 20

Comments:

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB168946BS	SDG No.:	Q2645
Lab Sample ID:	PB168946BS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112376.D	1	07/22/25 09:40	07/22/25 13:53	PB168946

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	163		3.90	8.30	17.0	ug/kg
11104-28-2	Aroclor-1221	13.0	U	4.00	13.0	17.0	ug/kg
11141-16-5	Aroclor-1232	8.30	U	3.70	8.30	17.0	ug/kg
53469-21-9	Aroclor-1242	8.30	U	4.00	8.30	17.0	ug/kg
12672-29-6	Aroclor-1248	13.0	U	5.90	13.0	17.0	ug/kg
11097-69-1	Aroclor-1254	8.30	U	3.20	8.30	17.0	ug/kg
37324-23-5	Aroclor-1262	13.0	U	5.00	13.0	17.0	ug/kg
11100-14-4	Aroclor-1268	8.30	U	3.60	8.30	17.0	ug/kg
11096-82-5	Aroclor-1260	153		3.20	8.30	17.0	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	20.1		44 - 130		101%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.3		60 - 125		102%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/17/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/17/25
Client Sample ID:	RT2286MS	SDG No.:	Q2645
Lab Sample ID:	Q2635-01MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	84.8 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073984.D	1	07/21/25 08:30	07/21/25 13:40	PB168927

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	177		4.70	9.80	20.0	ug/kg
11104-28-2	Aroclor-1221	15.3	U	4.70	15.3	20.0	ug/kg
11141-16-5	Aroclor-1232	9.80	U	4.40	9.80	20.0	ug/kg
53469-21-9	Aroclor-1242	9.80	U	4.70	9.80	20.0	ug/kg
12672-29-6	Aroclor-1248	15.3	U	7.00	15.3	20.0	ug/kg
11097-69-1	Aroclor-1254	9.80	U	3.80	9.80	20.0	ug/kg
37324-23-5	Aroclor-1262	15.3	U	5.90	15.3	20.0	ug/kg
11100-14-4	Aroclor-1268	9.80	U	4.20	9.80	20.0	ug/kg
11096-82-5	Aroclor-1260	214		3.80	9.80	20.0	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	17.9		44 - 130		89%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.9		60 - 125		99%	SPK: 20

Comments:

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Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/18/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/18/25
Client Sample ID:	WC-1MS	SDG No.:	Q2645
Lab Sample ID:	Q2649-01MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	89.3 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112379.D	1	07/22/25 09:40	07/22/25 14:48	PB168946

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	197		4.40	9.30	19.0	ug/kg
11104-28-2	Aroclor-1221	14.5	U	4.50	14.5	19.0	ug/kg
11141-16-5	Aroclor-1232	9.30	U	4.20	9.30	19.0	ug/kg
53469-21-9	Aroclor-1242	9.30	U	4.50	9.30	19.0	ug/kg
12672-29-6	Aroclor-1248	14.5	U	6.60	14.5	19.0	ug/kg
11097-69-1	Aroclor-1254	9.30	U	3.60	9.30	19.0	ug/kg
37324-23-5	Aroclor-1262	14.5	U	5.60	14.5	19.0	ug/kg
11100-14-4	Aroclor-1268	9.30	U	4.00	9.30	19.0	ug/kg
11096-82-5	Aroclor-1260	168		3.60	9.30	19.0	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	24.5		44 - 130		122%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.6		60 - 125		88%	SPK: 20

Comments:

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LOD = Limit of Detection
E = Value Exceeds Calibration Range
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Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/17/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/17/25
Client Sample ID:	RT2286MSD	SDG No.:	Q2645
Lab Sample ID:	Q2635-01MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	84.8 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP073985.D	1	07/21/25 08:30	07/21/25 13:56	PB168927

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	177		4.70	9.80	20.0	ug/kg
11104-28-2	Aroclor-1221	15.3	U	4.70	15.3	20.0	ug/kg
11141-16-5	Aroclor-1232	9.80	U	4.40	9.80	20.0	ug/kg
53469-21-9	Aroclor-1242	9.80	U	4.70	9.80	20.0	ug/kg
12672-29-6	Aroclor-1248	15.3	U	7.00	15.3	20.0	ug/kg
11097-69-1	Aroclor-1254	9.80	U	3.80	9.80	20.0	ug/kg
37324-23-5	Aroclor-1262	15.3	U	5.90	15.3	20.0	ug/kg
11100-14-4	Aroclor-1268	9.80	U	4.20	9.80	20.0	ug/kg
11096-82-5	Aroclor-1260	211		3.80	9.80	20.0	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	17.9		44 - 130		89%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.4		60 - 125		97%	SPK: 20

Comments:

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/18/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/18/25
Client Sample ID:	WC-1MSD	SDG No.:	Q2645
Lab Sample ID:	Q2649-01MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	89.3 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO112380.D	1	07/22/25 09:40	07/22/25 15:07	PB168946

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	161		4.40	9.30	19.0	ug/kg
11104-28-2	Aroclor-1221	14.5	U	4.50	14.5	19.0	ug/kg
11141-16-5	Aroclor-1232	9.30	U	4.20	9.30	19.0	ug/kg
53469-21-9	Aroclor-1242	9.30	U	4.50	9.30	19.0	ug/kg
12672-29-6	Aroclor-1248	14.5	U	6.60	14.5	19.0	ug/kg
11097-69-1	Aroclor-1254	9.30	U	3.60	9.30	19.0	ug/kg
37324-23-5	Aroclor-1262	14.5	U	5.60	14.5	19.0	ug/kg
11100-14-4	Aroclor-1268	9.30	U	4.00	9.30	19.0	ug/kg
11096-82-5	Aroclor-1260	155		3.60	9.30	19.0	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	19.6		44 - 130		98%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.8		60 - 125		89%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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LAB CHRONICLE

OrderID:	Q2645	**OrderDate:**	7/18/2025 11:25:00 AM
Client:	Tetra Tech NUS, Inc.	**Project:**	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	**Location:**	--Select--,O41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2645-03	**RW5B-CARBON-20250716**	**TCLP**			**07/16/25**			**07/18/25**
			TCLP Mercury	7470A		07/21/25	07/22/25	
			TCLPMetals Group1	6010D		07/21/25	07/22/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2645 **Order ID:** Q2645

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 : RW5B-CARBON-20250716									
Q2645-03	RW5B-CARBON-20250716	TCLP	Barium	647		72.8	125	500	ug/L

SAMPLE DATA

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/16/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/18/25
Client Sample ID:	RW5B-CARBON-20250716	SDG No.:	Q2645
Lab Sample ID:	Q2645-03	Matrix:	TCLP
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	75.0	U	1	25.6	75.0	100	ug/L	07/21/25 12:30	07/22/25 13:20	6010D	SW3050
7440-39-3	Barium	647	N	1	72.8	125	500	ug/L	07/21/25 12:30	07/22/25 13:20	6010D	SW3050
7440-43-9	Cadmium	7.50	U	1	2.50	7.50	30.0	ug/L	07/21/25 12:30	07/22/25 13:20	6010D	SW3050
7440-47-3	Chromium	25.0	U	1	10.6	25.0	50.0	ug/L	07/21/25 12:30	07/22/25 13:20	6010D	SW3050
7439-92-1	Lead	48.0	U	1	11.5	48.0	60.0	ug/L	07/21/25 12:30	07/22/25 13:20	6010D	SW3050
7439-97-6	Mercury	1.60	UN	1	0.76	1.60	2.00	ug/L	07/21/25 14:10	07/22/25 16:46	7470A	
7782-49-2	Selenium	80.0	U	1	48.2	80.0	100	ug/L	07/21/25 12:30	07/22/25 13:20	6010D	SW3050
7440-22-4	Silver	25.0	U	1	8.10	25.0	50.0	ug/L	07/21/25 12:30	07/22/25 13:20	6010D	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	TCLP Mercury				

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

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

METAL CALIBRATION DATA

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2645

Contract: TETR06 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV36	Mercury	3.82	4.0	96	90 - 110	CV	07/22/2025	15:13	LB136570

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2645

Contract: TETR06 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV34	Mercury	4.50	5.0	90	90 - 110	CV	07/22/2025	15:17	LB136570
CCV35	Mercury	4.91	5.0	98	90 - 110	CV	07/22/2025	15:54	LB136570
CCV36	Mercury	5.27	5.0	105	90 - 110	CV	07/22/2025	16:28	LB136570
CCV37	Mercury	5.14	5.0	103	90 - 110	CV	07/22/2025	16:58	LB136570
CCV38	Mercury	4.98	5.0	100	90 - 110	CV	07/22/2025	17:31	LB136570
CCV39	Mercury	4.96	5.0	99	90 - 110	CV	07/22/2025	18:15	LB136570
CCV40	Mercury	5.05	5.0	101	90 - 110	CV	07/22/2025	18:56	LB136570

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2645

Contract: TETR06 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Arsenic	3880	4000	97	90 - 110	P	07/22/2025	12:03	LB136571
	Barium	8140	8000	102	90 - 110	P	07/22/2025	12:03	LB136571
	Cadmium	1950	2000	98	90 - 110	P	07/22/2025	12:03	LB136571
	Chromium	819	800	102	90 - 110	P	07/22/2025	12:03	LB136571
	Lead	3800	4000	95	90 - 110	P	07/22/2025	12:03	LB136571
	Selenium	3880	4000	97	90 - 110	P	07/22/2025	12:03	LB136571
	Silver	1040	1000	104	90 - 110	P	07/22/2025	12:03	LB136571

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2645

Contract: TETR06 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Arsenic	21.8	20.0	109	80 - 120	P	07/22/2025	12:10	LB136571
	Barium	101	100	102	80 - 120	P	07/22/2025	12:10	LB136571
	Cadmium	5.75	6.0	96	80 - 120	P	07/22/2025	12:10	LB136571
	Chromium	10.8	10.0	108	80 - 120	P	07/22/2025	12:10	LB136571
	Lead	13.2	12.0	110	80 - 120	P	07/22/2025	12:10	LB136571
	Selenium	21.7	20.0	109	80 - 120	P	07/22/2025	12:10	LB136571
	Silver	10.4	10.0	104	80 - 120	P	07/22/2025	12:10	LB136571

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2645

Contract: TETR06 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Arsenic	5010	5000	100	90 - 110	P	07/22/2025	13:00	LB136571
	Barium	10100	10000	101	90 - 110	P	07/22/2025	13:00	LB136571
	Cadmium	2470	2500	99	90 - 110	P	07/22/2025	13:00	LB136571
	Chromium	984	1000	98	90 - 110	P	07/22/2025	13:00	LB136571
	Lead	4920	5000	98	90 - 110	P	07/22/2025	13:00	LB136571
	Selenium	5030	5000	101	90 - 110	P	07/22/2025	13:00	LB136571
	Silver	1260	1250	100	90 - 110	P	07/22/2025	13:00	LB136571
CCV02	Arsenic	5090	5000	102	90 - 110	P	07/22/2025	14:05	LB136571
	Barium	10500	10000	105	90 - 110	P	07/22/2025	14:05	LB136571
	Cadmium	2490	2500	100	90 - 110	P	07/22/2025	14:05	LB136571
	Chromium	976	1000	98	90 - 110	P	07/22/2025	14:05	LB136571
	Lead	4970	5000	99	90 - 110	P	07/22/2025	14:05	LB136571
	Selenium	5100	5000	102	90 - 110	P	07/22/2025	14:05	LB136571
	Silver	1280	1250	102	90 - 110	P	07/22/2025	14:05	LB136571
CCV03	Arsenic	5210	5000	104	90 - 110	P	07/22/2025	15:20	LB136571
	Barium	10600	10000	106	90 - 110	P	07/22/2025	15:20	LB136571
	Cadmium	2560	2500	102	90 - 110	P	07/22/2025	15:20	LB136571
	Chromium	1010	1000	101	90 - 110	P	07/22/2025	15:20	LB136571
	Lead	5110	5000	102	90 - 110	P	07/22/2025	15:20	LB136571
	Selenium	5230	5000	104	90 - 110	P	07/22/2025	15:20	LB136571
	Silver	1310	1250	105	90 - 110	P	07/22/2025	15:20	LB136571
CCV04	Arsenic	5220	5000	104	90 - 110	P	07/22/2025	16:13	LB136571
	Barium	10800	10000	108	90 - 110	P	07/22/2025	16:13	LB136571
	Cadmium	2560	2500	102	90 - 110	P	07/22/2025	16:13	LB136571
	Chromium	1010	1000	101	90 - 110	P	07/22/2025	16:13	LB136571
	Lead	5100	5000	102	90 - 110	P	07/22/2025	16:13	LB136571
	Selenium	5240	5000	105	90 - 110	P	07/22/2025	16:13	LB136571
	Silver	1320	1250	105	90 - 110	P	07/22/2025	16:13	LB136571
CCV05	Arsenic	5170	5000	104	90 - 110	P	07/22/2025	17:14	LB136571
	Barium	10700	10000	107	90 - 110	P	07/22/2025	17:14	LB136571
	Cadmium	2560	2500	102	90 - 110	P	07/22/2025	17:14	LB136571
	Chromium	1020	1000	102	90 - 110	P	07/22/2025	17:14	LB136571
	Lead	5120	5000	102	90 - 110	P	07/22/2025	17:14	LB136571
	Selenium	5180	5000	104	90 - 110	P	07/22/2025	17:14	LB136571

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2645

Contract: TETR06 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Silver	1320	1250	106	90 - 110	P	07/22/2025	17:14	LB136571
CCV06	Arsenic	5170	5000	103	90 - 110	P	07/22/2025	18:05	LB136571
	Barium	10700	10000	107	90 - 110	P	07/22/2025	18:05	LB136571
	Cadmium	2560	2500	102	90 - 110	P	07/22/2025	18:05	LB136571
	Chromium	1040	1000	104	90 - 110	P	07/22/2025	18:05	LB136571
	Lead	5120	5000	102	90 - 110	P	07/22/2025	18:05	LB136571
	Selenium	5170	5000	103	90 - 110	P	07/22/2025	18:05	LB136571
	Silver	1330	1250	107	90 - 110	P	07/22/2025	18:05	LB136571
CCV07	Arsenic	5190	5000	104	90 - 110	P	07/22/2025	18:54	LB136571
	Barium	10600	10000	106	90 - 110	P	07/22/2025	18:54	LB136571
	Cadmium	2570	2500	103	90 - 110	P	07/22/2025	18:54	LB136571
	Chromium	1010	1000	101	90 - 110	P	07/22/2025	18:54	LB136571
	Lead	5130	5000	103	90 - 110	P	07/22/2025	18:54	LB136571
	Selenium	5190	5000	104	90 - 110	P	07/22/2025	18:54	LB136571
	Silver	1320	1250	105	90 - 110	P	07/22/2025	18:54	LB136571
CCV08	Arsenic	5260	5000	105	90 - 110	P	07/22/2025	19:19	LB136571
	Barium	10800	10000	108	90 - 110	P	07/22/2025	19:19	LB136571
	Cadmium	2580	2500	103	90 - 110	P	07/22/2025	19:19	LB136571
	Chromium	1050	1000	105	90 - 110	P	07/22/2025	19:19	LB136571
	Lead	5150	5000	103	90 - 110	P	07/22/2025	19:19	LB136571
	Selenium	5290	5000	106	90 - 110	P	07/22/2025	19:19	LB136571
	Silver	1330	1250	107	90 - 110	P	07/22/2025	19:19	LB136571

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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2645

Contract: TETR06 **Lab Code:** ACE

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Arsenic	20.5	20.0	103	65 - 135	P	07/22/2025	12:32	LB136571
	Barium	99.5	100	100	65 - 135	P	07/22/2025	12:32	LB136571
	Cadmium	5.65	6.0	94	65 - 135	P	07/22/2025	12:32	LB136571
	Chromium	10.5	10.0	106	65 - 135	P	07/22/2025	12:32	LB136571
	Lead	12.4	12.0	103	65 - 135	P	07/22/2025	12:32	LB136571
	Selenium	21.2	20.0	106	65 - 135	P	07/22/2025	12:32	LB136571
	Silver	9.69	10.0	97	65 - 135	P	07/22/2025	12:32	LB136571
CRA	Mercury	0.19	0.2	93	70 - 130	CV	07/22/2025	15:22	LB136570

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2645

Contract: TETR06 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB36	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/22/2025	15:15	LB136570

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2645

Contract: TETR06 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB34	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/22/2025	15:20	LB136570
CCB35	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/22/2025	15:59	LB136570
CCB36	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/22/2025	16:30	LB136570
CCB37	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/22/2025	17:00	LB136570
CCB38	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/22/2025	17:33	LB136570
CCB39	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/22/2025	18:20	LB136570
CCB40	Mercury	0.076	+/-0.2	U	0.16	0.20	CV	07/22/2025	18:58	LB136570

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2645

Contract: TETR06 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	5.12	+/-10	U	15.0	20.0	P	07/22/2025	12:27	LB136571
	Barium	14.6	+/-50	U	25.0	100	P	07/22/2025	12:27	LB136571
	Cadmium	0.50	+/-3	U	1.50	6.00	P	07/22/2025	12:27	LB136571
	Chromium	2.12	+/-5	U	5.00	10.0	P	07/22/2025	12:27	LB136571
	Lead	2.30	+/-6	U	9.60	12.0	P	07/22/2025	12:27	LB136571
	Selenium	9.64	+/-10	U	16.0	20.0	P	07/22/2025	12:27	LB136571
	Silver	1.62	+/-5	U	5.00	10.0	P	07/22/2025	12:27	LB136571

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2645

Contract: TETR06 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	5.12	+/-10	U	15.0	20.0	P	07/22/2025	13:05	LB136571
	Barium	14.6	+/-50	U	25.0	100	P	07/22/2025	13:05	LB136571
	Cadmium	0.50	+/-3	U	1.50	6.00	P	07/22/2025	13:05	LB136571
	Chromium	2.12	+/-5	U	5.00	10.0	P	07/22/2025	13:05	LB136571
	Lead	2.30	+/-6	U	9.60	12.0	P	07/22/2025	13:05	LB136571
	Selenium	9.64	+/-10	U	16.0	20.0	P	07/22/2025	13:05	LB136571
	Silver	1.62	+/-5	U	5.00	10.0	P	07/22/2025	13:05	LB136571
CCB02	Arsenic	5.12	+/-10	U	15.0	20.0	P	07/22/2025	14:09	LB136571
	Barium	14.6	+/-50	U	25.0	100	P	07/22/2025	14:09	LB136571
	Cadmium	0.50	+/-3	U	1.50	6.00	P	07/22/2025	14:09	LB136571
	Chromium	2.12	+/-5	U	5.00	10.0	P	07/22/2025	14:09	LB136571
	Lead	2.30	+/-6	U	9.60	12.0	P	07/22/2025	14:09	LB136571
	Selenium	9.64	+/-10	U	16.0	20.0	P	07/22/2025	14:09	LB136571
	Silver	1.62	+/-5	U	5.00	10.0	P	07/22/2025	14:09	LB136571
CCB03	Arsenic	5.12	+/-10	U	15.0	20.0	P	07/22/2025	15:26	LB136571
	Barium	14.6	+/-50	U	25.0	100	P	07/22/2025	15:26	LB136571
	Cadmium	0.50	+/-3	U	1.50	6.00	P	07/22/2025	15:26	LB136571
	Chromium	2.12	+/-5	U	5.00	10.0	P	07/22/2025	15:26	LB136571
	Lead	2.30	+/-6	U	9.60	12.0	P	07/22/2025	15:26	LB136571
	Selenium	9.64	+/-10	U	16.0	20.0	P	07/22/2025	15:26	LB136571
	Silver	1.62	+/-5	U	5.00	10.0	P	07/22/2025	15:26	LB136571
CCB04	Arsenic	5.12	+/-10	U	15.0	20.0	P	07/22/2025	16:17	LB136571
	Barium	14.6	+/-50	U	25.0	100	P	07/22/2025	16:17	LB136571
	Cadmium	0.50	+/-3	U	1.50	6.00	P	07/22/2025	16:17	LB136571
	Chromium	2.12	+/-5	U	5.00	10.0	P	07/22/2025	16:17	LB136571
	Lead	2.30	+/-6	U	9.60	12.0	P	07/22/2025	16:17	LB136571
	Selenium	9.64	+/-10	U	16.0	20.0	P	07/22/2025	16:17	LB136571
	Silver	1.62	+/-5	U	5.00	10.0	P	07/22/2025	16:17	LB136571
CCB05	Arsenic	5.12	+/-10	U	15.0	20.0	P	07/22/2025	17:18	LB136571
	Barium	14.6	+/-50	U	25.0	100	P	07/22/2025	17:18	LB136571
	Cadmium	0.50	+/-3	U	1.50	6.00	P	07/22/2025	17:18	LB136571
	Chromium	2.12	+/-5	U	5.00	10.0	P	07/22/2025	17:18	LB136571
	Lead	2.30	+/-6	U	9.60	12.0	P	07/22/2025	17:18	LB136571
	Selenium	9.64	+/-10	U	16.0	20.0	P	07/22/2025	17:18	LB136571
	Silver	1.62	+/-5	U	5.00	10.0	P	07/22/2025	17:18	LB136571
CCB06	Arsenic	5.12	+/-10	U	15.0	20.0	P	07/22/2025	18:09	LB136571
	Barium	14.6	+/-50	U	25.0	100	P	07/22/2025	18:09	LB136571
	Cadmium	0.50	+/-3	U	1.50	6.00	P	07/22/2025	18:09	LB136571
	Chromium	2.12	+/-5	U	5.00	10.0	P	07/22/2025	18:09	LB136571

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2645

Contract: TETR06 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Lead	2.30	+/-6	U	9.60	12.0	P	07/22/2025	18:09	LB136571
	Selenium	9.64	+/-10	U	16.0	20.0	P	07/22/2025	18:09	LB136571
	Silver	1.62	+/-5	U	5.00	10.0	P	07/22/2025	18:09	LB136571
CCB07	Arsenic	5.12	+/-10	U	15.0	20.0	P	07/22/2025	18:58	LB136571
	Barium	14.6	+/-50	U	25.0	100	P	07/22/2025	18:58	LB136571
	Cadmium	0.50	+/-3	U	1.50	6.00	P	07/22/2025	18:58	LB136571
	Chromium	2.12	+/-5	U	5.00	10.0	P	07/22/2025	18:58	LB136571
	Lead	2.30	+/-6	U	9.60	12.0	P	07/22/2025	18:58	LB136571
	Selenium	9.64	+/-10	U	16.0	20.0	P	07/22/2025	18:58	LB136571
	Silver	1.62	+/-5	U	5.00	10.0	P	07/22/2025	18:58	LB136571
CCB08	Arsenic	5.12	+/-10	U	15.0	20.0	P	07/22/2025	19:23	LB136571
	Barium	14.6	+/-50	U	25.0	100	P	07/22/2025	19:23	LB136571
	Cadmium	0.50	+/-3	U	1.50	6.00	P	07/22/2025	19:23	LB136571
	Chromium	2.12	+/-5	U	5.00	10.0	P	07/22/2025	19:23	LB136571
	Lead	2.30	+/-6	U	9.60	12.0	P	07/22/2025	19:23	LB136571
	Selenium	9.64	+/-10	U	16.0	20.0	P	07/22/2025	19:23	LB136571
	Silver	1.62	+/-5	U	5.00	10.0	P	07/22/2025	19:23	LB136571

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2645

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168919TB		**WATER**		**Batch Number:**		**PB168960**		**Prep Date:**	**07/21/2025**	
	Mercury	0.76	<2	U	1.60	2.00	CV	07/22/2025	17:55	LB136570

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168960BL		**WATER**		**Batch Number:**		**PB168960**		**Prep Date:**	**07/21/2025**	
	Mercury	0.076	<0.2	U	0.16	0.20	CV	07/22/2025	16:37	LB136570

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Metals
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PREPARATION BLANK SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2645

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168919TB		**WATER**		**Batch Number:**		**PB168941**		**Prep Date:**	**07/21/2025**	
	Arsenic	25.6	<50	U	75.0	100	P	07/22/2025	14:47	LB136571
	Barium	72.8	<250	U	125	500	P	07/22/2025	14:47	LB136571
	Cadmium	2.50	<15	U	7.50	30.0	P	07/22/2025	14:47	LB136571
	Chromium	10.6	<25	U	25.0	50.0	P	07/22/2025	14:47	LB136571
	Lead	11.5	<30	U	48.0	60.0	P	07/22/2025	14:47	LB136571
	Selenium	48.2	<50	U	80.0	100	P	07/22/2025	14:47	LB136571
	Silver	8.10	<25	U	25.0	50.0	P	07/22/2025	14:47	LB136571

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB168941BL		**WATER**		**Batch Number:**		**PB168941**		**Prep Date:**	**07/21/2025**	
	Arsenic	25.6	<50	U	75.0	100	P	07/22/2025	14:56	LB136571
	Barium	72.8	<250	U	125	500	P	07/22/2025	14:56	LB136571
	Cadmium	2.50	<15	U	7.50	30.0	P	07/22/2025	14:56	LB136571
	Chromium	10.6	<25	U	25.0	50.0	P	07/22/2025	14:56	LB136571
	Lead	11.5	<30	U	48.0	60.0	P	07/22/2025	14:56	LB136571
	Selenium	48.2	<50	U	80.0	100	P	07/22/2025	14:56	LB136571
	Silver	8.10	<25	U	25.0	50.0	P	07/22/2025	14:56	LB136571

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INTERFERENCE CHECK SAMPLE

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2645

Contract: TETR06 **Lab Code:** ACE

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

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Arsenic	10.7			-20	20	07/22/2025	12:37	LB136571
	Barium	2.26	6.0	38	-94	106	07/22/2025	12:37	LB136571
	Cadmium	-1.25	1.0	125	-5	7	07/22/2025	12:37	LB136571
	Chromium	55.9	52.0	108	42	62	07/22/2025	12:37	LB136571
	Lead	-3.81			-12	12	07/22/2025	12:37	LB136571
	Selenium	-9.01			-20	20	07/22/2025	12:37	LB136571
	Silver	3.81			-10	10	07/22/2025	12:37	LB136571
ICSAB01	Arsenic	103	104	99	88.4	120	07/22/2025	12:48	LB136571
	Barium	494	537	92	437	637	07/22/2025	12:48	LB136571
	Cadmium	914	972	94	826	1120	07/22/2025	12:48	LB136571
	Chromium	536	542	99	460	624	07/22/2025	12:48	LB136571
	Lead	42.1	49.0	86	37	61	07/22/2025	12:48	LB136571
	Selenium	40.7	46.0	88	26	66	07/22/2025	12:48	LB136571
	Silver	210	201	104	170	232	07/22/2025	12:48	LB136571

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: Tetra Tech NUS, Inc. **level:** low **sdg no.:** Q2645

contract: TETR06 **lab code:** ACE

matrix: Water **sample id:** Q2649-24 **client id:** WC-6MS

Percent Solids for Sample: NA **Spiked ID:** Q2649-24MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	87 - 113	4230		100	U	4000	106		P
Barium	ug/L	88 - 113	2520		1260		1000	127	N	P
Cadmium	ug/L	88 - 113	1010		30.0	U	1000	101		P
Chromium	ug/L	90 - 113	2030		50.0	U	2000	102		P
Lead	ug/L	86 - 113	4900		64.2		5000	97		P
Mercury	ug/L	82 - 119	26.3		2.00	U	40.0	66	N	CV
Selenium	ug/L	83 - 114	10700		100	U	10000	107		P
Silver	ug/L	84 - 115	394		50.0	U	380	104		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Tetra Tech NUS, Inc. **level:** low **sdg no.:** Q2645

contract: TETR06 **lab code:** ACE

matrix: Water **sample id:** Q2649-24 **client id:** WC-6MSD

Percent Solids for Sample: NA **Spiked ID:** Q2649-24MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	87 - 113	4100		100	U	4000	102		P
Barium	ug/L	88 - 113	2690		1260		1000	144	N	P
Cadmium	ug/L	88 - 113	984		30.0	U	1000	98		P
Chromium	ug/L	90 - 113	2000		50.0	U	2000	100		P
Lead	ug/L	86 - 113	4770		64.2		5000	94		P
Mercury	ug/L	82 - 119	27.3		2.00	U	40.0	68	N	CV
Selenium	ug/L	83 - 114	10300		100	U	10000	103		P
Silver	ug/L	84 - 115	388		50.0	U	380	102		P

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Metals
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POST DIGEST SPIKE SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2645

Contract: TETR06 **Lab Code:** ACE

Matrix: Water **Level:** LOW **Client ID:** WC-6A

Sample ID: Q2649-24 **Spiked ID:** Q2649-24A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Barium	ug/L	88 - 113	2410		1260		1000	115	N	P
Mercury	ug/L	82 - 119	32.6		2.00	U	40.0	82		CV

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc. **Level:** LOW **SDG No.:** Q2645

Contract: TETR06 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2649-24 **Client ID:** WC-6DUP

Percent Solids for Sample: NA **Duplicate ID** Q2649-24DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	100	U	100	U			P
Barium	ug/L	20	1260		1470		15		P
Cadmium	ug/L	20	30.0	U	30.0	U			P
Chromium	ug/L	20	50.0	U	50.0	U			P
Lead	ug/L	20	64.2		75.6		16		P
Mercury	ug/L	20	2.00	U	2.00	U			CV
Selenium	ug/L	20	100	U	100	U			P
Silver	ug/L	20	50.0	U	50.0	U			P

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

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc. **Level:** LOW **SDG No.:** Q2645

Contract: TETR06 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2649-24MS **Client ID:** WC-6MSD

Percent Solids for Sample: NA **Duplicate ID** Q2649-24MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	4230		4100		3		P
Barium	ug/L	20	2520		2690		7		P
Cadmium	ug/L	20	1010		984		3		P
Chromium	ug/L	20	2030		2000		1		P
Lead	ug/L	20	4900		4770		3		P
Mercury	ug/L	20	26.3		27.3		4		CV
Selenium	ug/L	20	10700		10300		4		P
Silver	ug/L	20	394		388		2		P

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

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2645

Contract: TETR06 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168941BS							
Arsenic	ug/L	4000	3990		100	87 - 113	P
Barium	ug/L	1000	1080		108	88 - 113	P
Cadmium	ug/L	1000	976		98	88 - 113	P
Chromium	ug/L	2000	2050		102	90 - 113	P
Lead	ug/L	5000	4910		98	86 - 113	P
Selenium	ug/L	10000	10100		101	83 - 114	P
Silver	ug/L	380	398		105	84 - 115	P

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2645

Contract: TETR06 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168960BS							
Mercury	ug/L	4.0	4.00		100	82 - 119	CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

WC-6L

Lab Name: Alliance **Contract:** TETR06

Lab Code: ACE **Lb No.:** lb136571 **Lab Sample ID :** Q2649-24L **SDG No.:** Q2645

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
Arsenic	100	U	500	U			P
Barium	1260		1300	J	3		P
Cadmium	30.0	U	150	U			P
Chromium	50.0	U	250	U			P
Lead	64.2		89.1	J	39		P
Mercury	2.00	U	10.0	U			CV
Selenium	100	U	500	U			P
Silver	50.0	U	250	U			P

METAL PREPARATION & INSTRUMENT DATA

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc.

SDG No.: Q2645

Contract: TETR06

Lab Code: ACE

Instrument ID:

Date:

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
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
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	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

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2645

Contract: TETR06 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
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
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0003170	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

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2645

Contract: TETR06 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
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
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
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

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2645

Contract: TETR06 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
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
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
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

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2645

Contract: TETR06 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
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
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Lead	220.353	0.0000000	-0.0003610	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

METAL PREPARATION & ANALYICAL SUMMARY

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SAMPLE PREPARATION SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2645

Contract: TETR06 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB168941**						
PB168919TB	PB168919TB	MB	WATER	07/21/2025	5.0	25.0	
PB168941BL	PB168941BL	MB	WATER	07/21/2025	5.0	25.0	
PB168941BS	PB168941BS	LCS	WATER	07/21/2025	5.0	25.0	
Q2645-03	RW5B-CARBON-20250716	SAM	WATER	07/21/2025	5.0	25.0	
Q2649-24DUP	WC-6DUP	DUP	WATER	07/21/2025	5.0	25.0	
Q2649-24MS	WC-6MS	MS	WATER	07/21/2025	5.0	25.0	
Q2649-24MSD	WC-6MSD	MSD	WATER	07/21/2025	5.0	25.0	

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SAMPLE PREPARATION SUMMARY

Client: Tetra Tech NUS, Inc. **SDG No.:** Q2645

Contract: TETR06 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB168960**						
PB168919TB	PB168919TB	MB	WATER	07/21/2025	3.0	30.0	
PB168960BL	PB168960BL	MB	WATER	07/21/2025	30.0	30.0	
PB168960BS	PB168960BS	LCS	WATER	07/21/2025	30.0	30.0	
Q2645-03	RW5B-CARBON-20250716	SAM	WATER	07/21/2025	3.0	30.0	
Q2649-24DUP	WC-6DUP	DUP	WATER	07/21/2025	3.0	30.0	
Q2649-24MS	WC-6MS	MS	WATER	07/21/2025	3.0	30.0	
Q2649-24MSD	WC-6MSD	MSD	WATER	07/21/2025	3.0	30.0	

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metals
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ANALYSIS RUN LOG

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

Lab code: ACE **Sdg no.:** Q2645

Instrument id number: **Method:** **Run number:** LB136570

Start date: 07/22/2025 **End date:** 07/22/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1429	HG
S0.2	S0.2	1	1431	HG
S2.5	S2.5	1	1434	HG
S5	S5	1	1436	HG
S7.5	S7.5	1	1438	HG
S10	S10	1	1452	HG
ICV36	ICV36	1	1513	HG
ICB36	ICB36	1	1515	HG
CCV34	CCV34	1	1517	HG
CCB34	CCB34	1	1520	HG
CRA	CRA	1	1522	HG
CCV35	CCV35	1	1554	HG
CCB35	CCB35	1	1559	HG
CCV36	CCV36	1	1628	HG
CCB36	CCB36	1	1630	HG
PB168960BL	PB168960BL	1	1637	HG
PB168960BS	PB168960BS	1	1642	HG
Q2645-03	RW5B-CARBON-20250716	1	1646	HG
CCV37	CCV37	1	1658	HG
CCB37	CCB37	1	1700	HG
Q2649-24DUP	WC-6DUP	1	1709	HG
Q2649-24MS	WC-6MS	1	1711	HG
Q2649-24MSD	WC-6MSD	1	1714	HG
CCV38	CCV38	1	1731	HG
CCB38	CCB38	1	1733	HG
PB168919TB	PB168919TB	1	1755	HG
CCV39	CCV39	1	1815	HG
CCB39	CCB39	1	1820	HG
Q2649-24L	WC-6L	5	1827	HG
Q2649-24A	WC-6A	1	1829	HG
CCV40	CCV40	1	1856	HG
CCB40	CCB40	1	1858	HG

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metals
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ANALYSIS RUN LOG

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

Lab code: ACE **Sdg no.:** Q2645

Instrument id number: **Method:** **Run number:** LB136571

Start date: 07/22/2025 **End date:** 07/22/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1111	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1116	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1120	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1124	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1128	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1133	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1203	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1210	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1227	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1232	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1237	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1248	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1300	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1305	Ag,As,Ba,Cd,Cr,Pb,Se
Q2645-03	RW5B-CARBON-20250716	1	1320	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1405	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1409	Ag,As,Ba,Cd,Cr,Pb,Se
Q2649-24DUP	WC-6DUP	1	1425	Ag,As,Ba,Cd,Cr,Pb,Se
Q2649-24L	WC-6L	5	1430	Ag,As,Ba,Cd,Cr,Pb,Se
Q2649-24MS	WC-6MS	1	1434	Ag,As,Ba,Cd,Cr,Pb,Se
Q2649-24MSD	WC-6MSD	1	1438	Ag,As,Ba,Cd,Cr,Pb,Se
Q2649-24A	WC-6A	1	1442	Ba
PB168919TB	PB168919TB	1	1447	Ag,As,Ba,Cd,Cr,Pb,Se
PB168941BL	PB168941BL	1	1456	Ag,As,Ba,Cd,Cr,Pb,Se
PB168941BS	PB168941BS	1	1501	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	1520	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	1526	Ag,As,Ba,Cd,Cr,Pb,Se
CCV04	CCV04	1	1613	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	1617	Ag,As,Ba,Cd,Cr,Pb,Se
CCV05	CCV05	1	1714	Ag,As,Ba,Cd,Cr,Pb,Se
CCB05	CCB05	1	1718	Ag,As,Ba,Cd,Cr,Pb,Se
CCV06	CCV06	1	1805	Ag,As,Ba,Cd,Cr,Pb,Se
CCB06	CCB06	1	1809	Ag,As,Ba,Cd,Cr,Pb,Se
CCV07	CCV07	1	1854	Ag,As,Ba,Cd,Cr,Pb,Se
CCB07	CCB07	1	1858	Ag,As,Ba,Cd,Cr,Pb,Se
CCV08	CCV08	1	1919	Ag,As,Ba,Cd,Cr,Pb,Se
CCB08	CCB08	1	1923	Ag,As,Ba,Cd,Cr,Pb,Se

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LAB CHRONICLE

OrderID:	Q2645	**OrderDate:**	7/18/2025 11:25:00 AM
Client:	Tetra Tech NUS, Inc.	**Project:**	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	**Location:**	--Select--,O41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2645-02	**RW5B-CARBON-20250716**	**SOIL**			**07/16/25 09:15**			**07/18/25**
			Ignitability	1030			07/22/25 11:20	
			pH	9045D			07/21/25 10:00	

SAMPLE DATA

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	07/16/25 09:15
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	07/18/25
Client Sample ID:	RW5B-CARBON-20250716	SDG No.:	Q2645
Lab Sample ID:	Q2645-02	Matrix:	SOIL
		% Solid:	68.6

Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ignitability	NO		1	0	0	0	oC		07/22/25 11:20	1030
pH	4.76	H	1	0	0	0	pH		07/21/25 10:00	9045D

Comments: pH result reported at temperature 20.7 °C

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

QC RESULT SUMMARY

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Initial and Continuing Calibration Verification

Client:	Tetra Tech NUS, Inc.	**SDG No.:**	Q2645
Project:	NWIRP Bethpage 112G08005-WE13	**RunNo.:**	LB136550

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV**						
pH		pH	7.01	7	100	90-110	07/21/2025
Sample ID:	**CCV1**						
pH		pH	2.01	2.00	101	90-110	07/21/2025
Sample ID:	**CCV2**						
pH		pH	12.02	12.00	100	90-110	07/21/2025

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Duplicate Sample Summary

Client: Tetra Tech NUS, Inc.
SDG No.: Q2645
Project: NWIRP Bethpage 112G08005-WE13
Sample ID: Q2645-02
Client ID: RW5B-CARBON-20250716DUP
Percent Solids for Spike Sample: 68.6

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
pH	pH	+/-20	4.76		4.77		1	0.21		07/21/2025
Ignitability	oC	+/-20	NO		NO		1	0		07/22/2025

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

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

Chemtech Project Number: Q2645

COC Number:

CLIENT INFORMATION	PROJECT INFORMATION	BILLING INFORMATION
COMPANY: Tetra Tech	PROJECT NAME: NWIRP Bethpage	BILL TO: SEE CONTRACT PO#
ADDRESS: 4433 Corporation Ln, Suite 300	PROJECT #: 112G08005-WE13 LOCATION: Carbon IDW	ADDRESS:
CITY: Virginia Beach STATE: VA ZIP: 23462	PROJECT MANAGER: Dave Brayack	CITY: STATE: ZIP:
ATTENTION: Ernie Wu	E-MAIL: david.brayack@tetratech.com	ATTENTION: PHONE:
PHONE: 757-466-4901 FAX: 757-461-4148	PHONE: 757-466-4909 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
TCL SVOC (total)	Flash point	TCLP VOC	TCLP Metals (RCRA 8)	PCB	pH			

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	RW5B-Carbon-20250716	Granular Activated Carbon		X	7/16/25	9:15	6	1	1	1	1	1	1				<-- Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1.	7/17/25/1400	1.
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2.	7/18/25 9:55	2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3.		3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 2.1°C
MeOH extraction requires an additional 4oz. Jar for percent solid ☐ Ice in Cooler?: yes
Comments: 5 Day TAT - CTO-WE13 RW5B Carbon Sampling

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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

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

Laboratory Certification

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