

LAB CHRONICLE

OrderID:	Q1122	OrderDate:	1/17/2025 8:43:00 AM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	E11,M11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1122-01	RW10A-20250116	WATER	PCB	8082A	01/16/25	01/17/25	01/20/25	01/16/25
			Pesticide-TCL	8081B		01/17/25	01/20/25	

Hit Summary Sheet
SW-846

SDG No.: Q1122

Order ID: Q1122

Client: Tetra Tech NUS, Inc.

Project ID: NWIRP Bethpage 112G08005-WE13

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

Total Concentration: 0.000



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	01/16/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	01/16/25	
Client Sample ID:	RW10A-20250116		SDG No.:	Q1122	
Lab Sample ID:	Q1122-01		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	490	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093705.D	1	01/17/25 11:25	01/20/25 13:28	PB166101

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.026	U	0.0062	0.026	0.051	ug/L
319-85-7	beta-BHC	0.026	U	0.014	0.026	0.051	ug/L
319-86-8	delta-BHC	0.026	U	0.015	0.026	0.051	ug/L
58-89-9	gamma-BHC (Lindane)	0.026	U	0.0050	0.026	0.051	ug/L
76-44-8	Heptachlor	0.026	U	0.0055	0.026	0.051	ug/L
309-00-2	Aldrin	0.026	U	0.0045	0.026	0.051	ug/L
1024-57-3	Heptachlor epoxide	0.026	U	0.0092	0.026	0.051	ug/L
959-98-8	Endosulfan I	0.026	U	0.0051	0.026	0.051	ug/L
60-57-1	Dieldrin	0.026	U	0.0048	0.026	0.051	ug/L
72-55-9	4,4-DDE	0.026	U	0.0046	0.026	0.051	ug/L
72-20-8	Endrin	0.010	U	0.0044	0.010	0.051	ug/L
33213-65-9	Endosulfan II	0.026	U	0.0077	0.026	0.051	ug/L
72-54-8	4,4-DDD	0.026	U	0.0094	0.026	0.051	ug/L
1031-07-8	Endosulfan Sulfate	0.026	U	0.0036	0.026	0.051	ug/L
50-29-3	4,4-DDT	0.026	U	0.0045	0.026	0.051	ug/L
72-43-5	Methoxychlor	0.026	U	0.011	0.026	0.051	ug/L
53494-70-5	Endrin ketone	0.026	U	0.0099	0.026	0.051	ug/L
7421-93-4	Endrin aldehyde	0.026	U	0.010	0.026	0.051	ug/L
5103-71-9	alpha-Chlordane	0.026	U	0.0061	0.026	0.051	ug/L
5103-74-2	gamma-Chlordane	0.026	U	0.0061	0.026	0.051	ug/L
8001-35-2	Toxaphene	0.51	U	0.15	0.51	1.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	23.0		30 - 135		115%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.3		44 - 124		106%	SPK: 20

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	01/16/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	01/16/25	
Client Sample ID:	RW10A-20250116		SDG No.:	Q1122	
Lab Sample ID:	Q1122-01		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	490	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093705.D	1	01/17/25 11:25	01/20/25 13:28	PB166101

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit



QC SUMMARY

Surrogate Summary

SDG No.: Q1122

Client: Tetra Tech NUS, Inc.

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PL093481.D	PIBLK-PL093481.D	Decachlorobiphenyl	1	20	22.0	110		30	135
		Tetrachloro-m-xylene	1	20	20.5	102		44	124
		Decachlorobiphenyl	2	20	21.4	107		30	135
		Tetrachloro-m-xylene	2	20	19.9	100		44	124
I.BLK-PL093694.D	PIBLK-PL093694.D	Decachlorobiphenyl	1	20	21.9	110		30	135
		Tetrachloro-m-xylene	1	20	21.7	109		44	124
		Decachlorobiphenyl	2	20	19.4	97		30	135
		Tetrachloro-m-xylene	2	20	21.5	107		44	124
PB166101BL	PB166101BL	Decachlorobiphenyl	1	20	22.2	111		30	135
		Tetrachloro-m-xylene	1	20	20.0	100		44	124
		Decachlorobiphenyl	2	20	21.1	105		30	135
		Tetrachloro-m-xylene	2	20	19.2	96		44	124
PB166101BS	PB166101BS	Decachlorobiphenyl	1	20	20.4	102		30	135
		Tetrachloro-m-xylene	1	20	18.4	92		44	124
		Decachlorobiphenyl	2	20	19.7	99		30	135
		Tetrachloro-m-xylene	2	20	17.9	90		44	124
PB166101BSD	PB166101BSD	Decachlorobiphenyl	1	20	20.4	102		30	135
		Tetrachloro-m-xylene	1	20	18.1	90		44	124
		Decachlorobiphenyl	2	20	19.7	99		30	135
		Tetrachloro-m-xylene	2	20	17.3	87		44	124
Q1122-01	RW10A-20250116	Decachlorobiphenyl	1	20	23.0	115		30	135
		Tetrachloro-m-xylene	1	20	21.0	105		44	124
		Decachlorobiphenyl	2	20	22.8	114		30	135
		Tetrachloro-m-xylene	2	20	21.3	106		44	124
I.BLK-PL093706.D	PIBLK-PL093706.D	Decachlorobiphenyl	1	20	23.3	117		30	135
		Tetrachloro-m-xylene	1	20	21.6	108		44	124
		Decachlorobiphenyl	2	20	23.0	115		30	135
		Tetrachloro-m-xylene	2	20	21.1	105		44	124

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1122

Client: Tetra Tech NUS, Inc.

Analytical Method: **8081B** Datafile : PL093702.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB166101BS	alpha-BHC	0.5	0.49	ug/L	97				54	138	
	beta-BHC	0.5	0.50	ug/L	100				56	136	
	delta-BHC	0.5	0.48	ug/L	95				52	142	
	gamma-BHC (Lindane)	0.5	0.48	ug/L	96				59	134	
	Heptachlor	0.5	0.49	ug/L	98				54	130	
	Aldrin	0.5	0.47	ug/L	95				45	134	
	Heptachlor epoxide	0.5	0.48	ug/L	97				61	133	
	Endosulfan I	0.5	0.51	ug/L	101				62	126	
	Dieldrin	0.5	0.50	ug/L	100				60	136	
	4,4'-DDE	0.5	0.51	ug/L	102				57	135	
	Endrin	0.5	0.50	ug/L	100				60	138	
	Endosulfan II	0.5	0.53	ug/L	105				52	135	
	4,4'-DDD	0.5	0.55	ug/L	109				56	143	
	Endosulfan sulfate	0.5	0.51	ug/L	103				62	133	
	4,4'-DDT	0.5	0.51	ug/L	102				51	143	
	Methoxychlor	0.5	0.48	ug/L	97				54	145	
	Endrin ketone	0.5	0.52	ug/L	105				58	134	
	Endrin aldehyde	0.5	0.50	ug/L	100				51	132	
	alpha-Chlordane	0.5	0.50	ug/L	100				60	129	
	gamma-Chlordane	0.5	0.51	ug/L	101				56	136	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1122

Client: Tetra Tech NUS, Inc.

Analytical Method: **8081B** Datafile : PL093703.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB166101BSD	alpha-BHC	0.5	0.47	ug/L	93	4			54	138	20
	beta-BHC	0.5	0.48	ug/L	96	4			56	136	20
	delta-BHC	0.5	0.47	ug/L	93	2			52	142	20
	gamma-BHC (Lindane)	0.5	0.46	ug/L	92	4			59	134	20
	Heptachlor	0.5	0.48	ug/L	95	3			54	130	20
	Aldrin	0.5	0.46	ug/L	91	4			45	134	20
	Heptachlor epoxide	0.5	0.47	ug/L	94	3			61	133	20
	Endosulfan I	0.5	0.49	ug/L	98	3			62	126	20
	Dieldrin	0.5	0.49	ug/L	98	2			60	136	20
	4,4'-DDE	0.5	0.49	ug/L	99	3			57	135	20
	Endrin	0.5	0.49	ug/L	98	2			60	138	20
	Endosulfan II	0.5	0.52	ug/L	104	1			52	135	20
	4,4'-DDD	0.5	0.54	ug/L	107	2			56	143	20
	Endosulfan sulfate	0.5	0.51	ug/L	102	1			62	133	20
	4,4'-DDT	0.5	0.50	ug/L	100	2			51	143	20
	Methoxychlor	0.5	0.48	ug/L	96	1			54	145	20
	Endrin ketone	0.5	0.52	ug/L	104	1			58	134	20
	Endrin aldehyde	0.5	0.49	ug/L	99	1			51	132	20
	alpha-Chlordane	0.5	0.49	ug/L	97	3			60	129	20
	gamma-Chlordane	0.5	0.49	ug/L	98	3			56	136	20

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166101BL

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: Q1122

SAS No.: Q1122 SDG NO.: Q1122

Lab Sample ID: PB166101BL

Lab File ID: PL093701.D

Matrix: (soil/water) WATER

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 01/17/2025

Date Analyzed (1): 01/20/2025

Date Analyzed (2): 01/20/2025

Time Analyzed (1): 12:22

Time Analyzed (2): 12:22

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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
PB166101BS	PB166101BS	PL093702.D	01/20/2025	01/20/2025
PB166101BSD	PB166101BSD	PL093703.D	01/20/2025	01/20/2025
RW10A-20250116	Q1122-01	PL093705.D	01/20/2025	01/20/2025

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:		
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:		
Client Sample ID:	PB166101BL		SDG No.:	Q1122	
Lab Sample ID:	PB166101BL		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093701.D	1	01/17/25 11:25	01/20/25 12:22	PB166101

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.025	U	0.0061	0.025	0.050	ug/L
319-85-7	beta-BHC	0.025	U	0.014	0.025	0.050	ug/L
319-86-8	delta-BHC	0.025	U	0.015	0.025	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.025	U	0.0049	0.025	0.050	ug/L
76-44-8	Heptachlor	0.025	U	0.0054	0.025	0.050	ug/L
309-00-2	Aldrin	0.025	U	0.0044	0.025	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0090	0.025	0.050	ug/L
959-98-8	Endosulfan I	0.025	U	0.0050	0.025	0.050	ug/L
60-57-1	Dieldrin	0.025	U	0.0047	0.025	0.050	ug/L
72-55-9	4,4-DDE	0.025	U	0.0045	0.025	0.050	ug/L
72-20-8	Endrin	0.010	U	0.0043	0.010	0.050	ug/L
33213-65-9	Endosulfan II	0.025	U	0.0075	0.025	0.050	ug/L
72-54-8	4,4-DDD	0.025	U	0.0092	0.025	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.025	U	0.0035	0.025	0.050	ug/L
50-29-3	4,4-DDT	0.025	U	0.0044	0.025	0.050	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.050	ug/L
53494-70-5	Endrin ketone	0.025	U	0.0097	0.025	0.050	ug/L
7421-93-4	Endrin aldehyde	0.025	U	0.0099	0.025	0.050	ug/L
5103-71-9	alpha-Chlordane	0.025	U	0.0060	0.025	0.050	ug/L
5103-74-2	gamma-Chlordane	0.025	U	0.0060	0.025	0.050	ug/L
8001-35-2	Toxaphene	0.20	J	0.15	0.50	1.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	22.2		30 - 135		111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.0		44 - 124		100%	SPK: 20

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:		
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:		
Client Sample ID:	PB166101BL		SDG No.:	Q1122	
Lab Sample ID:	PB166101BL		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093701.D	1	01/17/25 11:25	01/20/25 12:22	PB166101

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	12/23/24	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	12/23/24	
Client Sample ID:	PIBLK-PL093481.D		SDG No.:	Q1122	
Lab Sample ID:	I.BLK-PL093481.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093481.D	1		12/23/24	PL122324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.025	U	0.0061	0.025	0.050	ug/L
319-85-7	beta-BHC	0.025	U	0.014	0.025	0.050	ug/L
319-86-8	delta-BHC	0.025	U	0.015	0.025	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.025	U	0.0049	0.025	0.050	ug/L
76-44-8	Heptachlor	0.025	U	0.0054	0.025	0.050	ug/L
309-00-2	Aldrin	0.025	U	0.0044	0.025	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0090	0.025	0.050	ug/L
959-98-8	Endosulfan I	0.025	U	0.0050	0.025	0.050	ug/L
60-57-1	Dieldrin	0.025	U	0.0047	0.025	0.050	ug/L
72-55-9	4,4-DDE	0.025	U	0.0045	0.025	0.050	ug/L
72-20-8	Endrin	0.010	U	0.0043	0.010	0.050	ug/L
33213-65-9	Endosulfan II	0.025	U	0.0075	0.025	0.050	ug/L
72-54-8	4,4-DDD	0.025	U	0.0092	0.025	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.025	U	0.0035	0.025	0.050	ug/L
50-29-3	4,4-DDT	0.025	U	0.0044	0.025	0.050	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.050	ug/L
53494-70-5	Endrin ketone	0.025	U	0.0097	0.025	0.050	ug/L
7421-93-4	Endrin aldehyde	0.025	U	0.0099	0.025	0.050	ug/L
5103-71-9	alpha-Chlordane	0.025	U	0.0060	0.025	0.050	ug/L
5103-74-2	gamma-Chlordane	0.025	U	0.0060	0.025	0.050	ug/L
8001-35-2	Toxaphene	0.50	U	0.15	0.50	1.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	22.0		30 - 135		110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.5		44 - 124		102%	SPK: 20

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	12/23/24	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	12/23/24	
Client Sample ID:	PIBLK-PL093481.D		SDG No.:	Q1122	
Lab Sample ID:	I.BLK-PL093481.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093481.D	1		12/23/24	PL122324

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

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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

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	01/20/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	01/20/25	
Client Sample ID:	PIBLK-PL093694.D		SDG No.:	Q1122	
Lab Sample ID:	I.BLK-PL093694.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093694.D	1		01/20/25	PL012025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.025	U	0.0061	0.025	0.050	ug/L
319-85-7	beta-BHC	0.025	U	0.014	0.025	0.050	ug/L
319-86-8	delta-BHC	0.025	U	0.015	0.025	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.025	U	0.0049	0.025	0.050	ug/L
76-44-8	Heptachlor	0.025	U	0.0054	0.025	0.050	ug/L
309-00-2	Aldrin	0.025	U	0.0044	0.025	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0090	0.025	0.050	ug/L
959-98-8	Endosulfan I	0.025	U	0.0050	0.025	0.050	ug/L
60-57-1	Dieldrin	0.025	U	0.0047	0.025	0.050	ug/L
72-55-9	4,4-DDE	0.025	U	0.0045	0.025	0.050	ug/L
72-20-8	Endrin	0.010	U	0.0043	0.010	0.050	ug/L
33213-65-9	Endosulfan II	0.025	U	0.0075	0.025	0.050	ug/L
72-54-8	4,4-DDD	0.025	U	0.0092	0.025	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.025	U	0.0035	0.025	0.050	ug/L
50-29-3	4,4-DDT	0.025	U	0.0044	0.025	0.050	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.050	ug/L
53494-70-5	Endrin ketone	0.025	U	0.0097	0.025	0.050	ug/L
7421-93-4	Endrin aldehyde	0.025	U	0.0099	0.025	0.050	ug/L
5103-71-9	alpha-Chlordane	0.025	U	0.0060	0.025	0.050	ug/L
5103-74-2	gamma-Chlordane	0.025	U	0.0060	0.025	0.050	ug/L
8001-35-2	Toxaphene	0.50	U	0.15	0.50	1.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	21.9		30 - 135		110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.7		44 - 124		109%	SPK: 20

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	01/20/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	01/20/25	
Client Sample ID:	PIBLK-PL093694.D		SDG No.:	Q1122	
Lab Sample ID:	I.BLK-PL093694.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093694.D	1		01/20/25	PL012025

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	01/20/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	01/20/25	
Client Sample ID:	PIBLK-PL093706.D		SDG No.:	Q1122	
Lab Sample ID:	I.BLK-PL093706.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093706.D	1		01/20/25	PL012025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.025	U	0.0061	0.025	0.050	ug/L
319-85-7	beta-BHC	0.025	U	0.014	0.025	0.050	ug/L
319-86-8	delta-BHC	0.025	U	0.015	0.025	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.025	U	0.0049	0.025	0.050	ug/L
76-44-8	Heptachlor	0.025	U	0.0054	0.025	0.050	ug/L
309-00-2	Aldrin	0.025	U	0.0044	0.025	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.025	U	0.0090	0.025	0.050	ug/L
959-98-8	Endosulfan I	0.025	U	0.0050	0.025	0.050	ug/L
60-57-1	Dieldrin	0.025	U	0.0047	0.025	0.050	ug/L
72-55-9	4,4-DDE	0.025	U	0.0045	0.025	0.050	ug/L
72-20-8	Endrin	0.010	U	0.0043	0.010	0.050	ug/L
33213-65-9	Endosulfan II	0.025	U	0.0075	0.025	0.050	ug/L
72-54-8	4,4-DDD	0.025	U	0.0092	0.025	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.025	U	0.0035	0.025	0.050	ug/L
50-29-3	4,4-DDT	0.025	U	0.0044	0.025	0.050	ug/L
72-43-5	Methoxychlor	0.025	U	0.011	0.025	0.050	ug/L
53494-70-5	Endrin ketone	0.025	U	0.0097	0.025	0.050	ug/L
7421-93-4	Endrin aldehyde	0.025	U	0.0099	0.025	0.050	ug/L
5103-71-9	alpha-Chlordane	0.025	U	0.0060	0.025	0.050	ug/L
5103-74-2	gamma-Chlordane	0.025	U	0.0060	0.025	0.050	ug/L
8001-35-2	Toxaphene	0.50	U	0.15	0.50	1.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	23.3		30 - 135		117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		44 - 124		108%	SPK: 20

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	01/20/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	01/20/25	
Client Sample ID:	PIBLK-PL093706.D		SDG No.:	Q1122	
Lab Sample ID:	I.BLK-PL093706.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093706.D	1		01/20/25	PL012025

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:		
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:		
Client Sample ID:	PB166101BS		SDG No.:	Q1122	
Lab Sample ID:	PB166101BS		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093702.D	1	01/17/25 11:25	01/20/25 12:35	PB166101

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.49		0.0061	0.025	0.050	ug/L
319-85-7	beta-BHC	0.50		0.014	0.025	0.050	ug/L
319-86-8	delta-BHC	0.48		0.015	0.025	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.48		0.0049	0.025	0.050	ug/L
76-44-8	Heptachlor	0.49		0.0054	0.025	0.050	ug/L
309-00-2	Aldrin	0.47		0.0044	0.025	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.48		0.0090	0.025	0.050	ug/L
959-98-8	Endosulfan I	0.51		0.0050	0.025	0.050	ug/L
60-57-1	Dieldrin	0.50		0.0047	0.025	0.050	ug/L
72-55-9	4,4-DDE	0.51		0.0045	0.025	0.050	ug/L
72-20-8	Endrin	0.50		0.0043	0.010	0.050	ug/L
33213-65-9	Endosulfan II	0.53		0.0075	0.025	0.050	ug/L
72-54-8	4,4-DDD	0.55		0.0092	0.025	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.51		0.0035	0.025	0.050	ug/L
50-29-3	4,4-DDT	0.51		0.0044	0.025	0.050	ug/L
72-43-5	Methoxychlor	0.48		0.011	0.025	0.050	ug/L
53494-70-5	Endrin ketone	0.52		0.0097	0.025	0.050	ug/L
7421-93-4	Endrin aldehyde	0.50		0.0099	0.025	0.050	ug/L
5103-71-9	alpha-Chlordane	0.50		0.0060	0.025	0.050	ug/L
5103-74-2	gamma-Chlordane	0.51		0.0060	0.025	0.050	ug/L
8001-35-2	Toxaphene	0.50	U	0.15	0.50	1.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	20.4		30 - 135		102%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.4		44 - 124		92%	SPK: 20

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	
Client Sample ID:	PB166101BS		SDG No.:	Q1122
Lab Sample ID:	PB166101BS		Matrix:	WATER
Analytical Method:	SW8081		% Solid:	0
Sample Wt/Vol:	1000	Units: mL	Decanted:	
Soil Aliquot Vol:		uL	Final Vol:	10000 uL
Extraction Type:			Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	Injection Volume :	
Prep Method :	3510C			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093702.D	1	01/17/25 11:25	01/20/25 12:35	PB166101

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:		
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:		
Client Sample ID:	PB166101BSD		SDG No.:	Q1122	
Lab Sample ID:	PB166101BSD		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093703.D	1	01/17/25 11:25	01/20/25 13:01	PB166101

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
319-84-6	alpha-BHC	0.47		0.0061	0.025	0.050	ug/L
319-85-7	beta-BHC	0.48		0.014	0.025	0.050	ug/L
319-86-8	delta-BHC	0.47		0.015	0.025	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.46		0.0049	0.025	0.050	ug/L
76-44-8	Heptachlor	0.48		0.0054	0.025	0.050	ug/L
309-00-2	Aldrin	0.46		0.0044	0.025	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.47		0.0090	0.025	0.050	ug/L
959-98-8	Endosulfan I	0.49		0.0050	0.025	0.050	ug/L
60-57-1	Dieldrin	0.49		0.0047	0.025	0.050	ug/L
72-55-9	4,4-DDE	0.49		0.0045	0.025	0.050	ug/L
72-20-8	Endrin	0.49		0.0043	0.010	0.050	ug/L
33213-65-9	Endosulfan II	0.52		0.0075	0.025	0.050	ug/L
72-54-8	4,4-DDD	0.54		0.0092	0.025	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.51		0.0035	0.025	0.050	ug/L
50-29-3	4,4-DDT	0.50		0.0044	0.025	0.050	ug/L
72-43-5	Methoxychlor	0.48		0.011	0.025	0.050	ug/L
53494-70-5	Endrin ketone	0.52		0.0097	0.025	0.050	ug/L
7421-93-4	Endrin aldehyde	0.49		0.0099	0.025	0.050	ug/L
5103-71-9	alpha-Chlordane	0.49		0.0060	0.025	0.050	ug/L
5103-74-2	gamma-Chlordane	0.49		0.0060	0.025	0.050	ug/L
8001-35-2	Toxaphene	0.50	U	0.15	0.50	1.00	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	20.4		30 - 135		102%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.1		44 - 124		90%	SPK: 20

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:		
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:		
Client Sample ID:	PB166101BSD		SDG No.:	Q1122	
Lab Sample ID:	PB166101BSD		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093703.D	1	01/17/25 11:25	01/20/25 13:01	PB166101

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

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MDL = Method Detection Limit

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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



CALIBRATION SUMMARY

A
B
C
D
E
F
G
H

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

[illegible]

A
B
C
D
E
F
G
H

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

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: TETR06

Lab Code: CHEM **Case No.:** Q1122 **SAS No.:** Q1122 **SDG NO.:** Q1122

Instrument ID: ECD_L

Calibration Date(s): 12/23/2024 12/23/2024

Calibration Times: 13:15 14:09

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

LAB FILE ID:		CF 100 =	<u>PL093484.D</u>	CF 075 =	<u>PL093485.D</u>		
CF 050 =		<u>PL093486.D</u>	CF 025 =	<u>PL093487.D</u>	CF 005 =	<u>PL093488.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	1621940000	1601100000	1685020000	1757890000	2113830000	1755960000	12
4,4'-DDE	2097720000	2040360000	2142990000	2234520000	2703690000	2243860000	12
4,4'-DDT	1736630000	1688550000	1784110000	1855870000	2177460000	1848520000	10
Aldrin	2739480000	2644310000	2770490000	2873720000	3516330000	2908860000	12
alpha-BHC	3477660000	3206020000	3340110000	3364880000	3873240000	3452380000	7
alpha-Chlordane	2320790000	2264920000	2384480000	2497660000	3046700000	2502910000	13
beta-BHC	1321620000	1298650000	1378880000	1446620000	1762170000	1441590000	13
Decachlorobiphenyl	1661260000	1649170000	1775440000	1867730000	2291490000	1849020000	14
delta-BHC	3024560000	2885810000	2967810000	2997880000	3436900000	3062590000	7
Dieldrin	2323630000	2259870000	2374580000	2480210000	3037140000	2495090000	13
Endosulfan I	2169790000	2119850000	2246090000	2359490000	2901070000	2359260000	13
Endosulfan II	2079450000	1967950000	2094960000	2244490000	2979500000	2273270000	18
Endosulfan sulfate	1819170000	1796010000	1919480000	2039270000	2521220000	2019030000	15
Endrin	1980610000	1930990000	2046720000	2145760000	2658130000	2152440000	14
Endrin aldehyde	1590580000	1583320000	1679660000	1797120000	2221970000	1774530000	15
Endrin ketone	2063700000	2025470000	2127570000	2251850000	2750680000	2243850000	13
gamma-BHC (Lindane)	3189620000	3052290000	3180150000	3224710000	3750380000	3279430000	8
gamma-Chlordane	2340050000	2281170000	2403320000	2499810000	3041090000	2513090000	12
Heptachlor	2746960000	2670120000	2802230000	2919950000	3502290000	2928310000	11
Heptachlor epoxide	2426470000	2365400000	2505620000	2624560000	3249710000	2634350000	14
Methoxychlor	902299000	897910000	965987000	1022970000	1209220000	999678000	13
Tetrachloro-m-xylene	2318290000	2256280000	2391520000	2493110000	2919250000	2475690000	11

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: TETR06

Lab Code: CHEM **Case No.:** Q1122 **SAS No.:** Q1122 **SDG NO.:** Q1122

Instrument ID: ECD_L

Calibration Date(s): 12/23/2024 12/23/2024

Calibration Times: 13:15 14:09

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

LAB FILE ID:		CF 100 =	PL093484.D	CF 075 =	PL093485.D		
CF 050 =		PL093486.D	CF 025 =	PL093487.D	CF 005 =	PL093488.D	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2969360000	2852140000	2831690000	2714170000	2783370000	2830150000	3
4,4'-DDE	3832650000	3639420000	3656470000	3546590000	3711090000	3677240000	3
4,4'-DDT	3215060000	3041820000	3039820000	2905500000	2899310000	3020300000	4
Aldrin	4345680000	4106320000	4115460000	3936670000	4007300000	4102290000	4
alpha-BHC	4680470000	4391020000	4405830000	4157300000	4099330000	4346790000	5
alpha-Chlordane	3914230000	3727230000	3759980000	3681520000	3954030000	3807400000	3
beta-BHC	1797540000	1726560000	1774070000	1776440000	1912840000	1797490000	4
Decachlorobiphenyl	2956580000	2818470000	2885080000	2902790000	3366620000	2985910000	7
delta-BHC	4528040000	4258650000	4266310000	4044840000	4046510000	4228870000	5
Dieldrin	4043510000	3835610000	3838300000	3694190000	3857790000	3853880000	3
Endosulfan I	3574790000	3428030000	3460070000	3382390000	3624490000	3493950000	3
Endosulfan II	3311470000	3237660000	3254890000	3188220000	3252500000	3248950000	1
Endosulfan sulfate	3216080000	3076010000	3113450000	3066780000	3299740000	3154410000	3
Endrin	3457020000	3288270000	3315120000	3193900000	3287350000	3308330000	3
Endrin aldehyde	2707870000	2610810000	2655280000	2645600000	2845870000	2693090000	3
Endrin ketone	3680660000	3542340000	3618450000	3559240000	3801270000	3640390000	3
gamma-BHC (Lindane)	4493780000	4228750000	4260470000	4062450000	4051390000	4219370000	4
gamma-Chlordane	3989810000	3780300000	3791390000	3703680000	3999910000	3853020000	3
Heptachlor	4294490000	4097760000	4159520000	4029940000	4197880000	4155920000	2
Heptachlor epoxide	3890040000	3699480000	3757900000	3697650000	4098450000	3828700000	4
Methoxychlor	1579690000	1538710000	1589880000	1595910000	1744000000	1609640000	5
Tetrachloro-m-xylene	2947220000	2813690000	2902100000	2859340000	3033640000	2911200000	3

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

Instrument ID: ECD_L Date(s) Analyzed: 12/23/2024 12/23/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	6.24	6.14	6.34	22764900
		2	6.44	6.34	6.54	15272800
		3	7.06	6.96	7.16	73123800
		4	7.15	7.05	7.25	54576200
		5	7.93	7.83	8.03	41166400

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

Instrument ID: ECD_L Date(s) Analyzed: 12/23/2024 12/23/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	5.00	4.90	5.10	23243100
		2	5.33	5.23	5.43	22807400
		3	5.69	5.59	5.79	25158900
		4	6.60	6.50	6.70	81574800
		5	7.04	6.94	7.14	75247700

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

Continuing Calib Date: 01/20/2025 Initial Calibration Date(s): 12/23/2024 12/23/2024

Continuing Calib Time: 09:18 Initial Calibration Time(s): 13:15 14:09

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.01
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.77	4.78	4.68	4.88	0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.01
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.69	5.59	5.79	0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.35	6.25	6.45	0.01
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.58	6.48	6.68	0.01
Endosulfan II	6.79	6.80	6.70	6.90	0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.02	7.03	6.93	7.13	0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.65	7.55	7.75	0.01
Endrin aldehyde	6.92	6.93	6.83	7.03	0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

Continuing Calib Date: 01/20/2025 Initial Calibration Date(s): 12/23/2024 12/23/2024

Continuing Calib Time: 09:18 Initial Calibration Time(s): 13:15 14:09

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.91	7.91	7.81	8.01	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.01
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.36	5.36	5.26	5.46	0.00
4,4'-DDE	5.23	5.23	5.13	5.33	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.93	5.93	5.83	6.03	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.01
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.61	6.61	6.51	6.71	0.00
Endrin ketone	6.84	6.84	6.74	6.94	0.00
Endrin aldehyde	6.11	6.11	6.01	6.21	0.00
alpha-Chlordane	5.04	5.04	4.94	5.14	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 12/23/2024 12/23/2024

Client Sample No.: CCAL01 Date Analyzed: 01/20/2025

Lab Sample No.: PSTDCCC050 Data File : PL093696.D Time Analyzed: 09:18

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.709	6.611	6.811	54.950	50.000	9.9
4,4'-DDE	6.192	6.094	6.294	54.540	50.000	9.1
4,4'-DDT	7.023	6.925	7.125	52.940	50.000	5.9
Aldrin	5.257	5.159	5.359	54.320	50.000	8.6
alpha-BHC	3.995	3.897	4.097	54.630	50.000	9.3
alpha-Chlordane	6.018	5.920	6.120	53.040	50.000	6.1
beta-BHC	4.526	4.427	4.627	54.770	50.000	9.5
Decachlorobiphenyl	9.055	8.956	9.156	51.380	50.000	2.8
delta-BHC	4.773	4.675	4.875	56.090	50.000	12.2
Dieldrin	6.344	6.246	6.446	52.250	50.000	4.5
Endosulfan I	6.069	5.971	6.171	52.590	50.000	5.2
Endosulfan II	6.794	6.695	6.895	48.700	50.000	-2.6
Endosulfan sulfate	7.159	7.060	7.260	51.640	50.000	3.3
Endrin	6.574	6.475	6.675	50.760	50.000	1.5
Endrin aldehyde	6.924	6.826	7.026	51.170	50.000	2.3
Endrin ketone	7.643	7.545	7.745	51.750	50.000	3.5
gamma-BHC (Lindane)	4.327	4.229	4.429	55.380	50.000	10.8
gamma-Chlordane	5.939	5.841	6.041	52.690	50.000	5.4
Heptachlor	4.915	4.818	5.018	54.020	50.000	8.0
Heptachlor epoxide	5.683	5.586	5.786	53.050	50.000	6.1
Methoxychlor	7.500	7.400	7.600	53.310	50.000	6.6
Tetrachloro-m-xylene	3.539	3.442	3.642	53.940	50.000	7.9

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 12/23/2024 12/23/2024

Client Sample No.: CCAL01 Date Analyzed: 01/20/2025

Lab Sample No.: PSTDCCC050 Data File : PL093696.D Time Analyzed: 09:18

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.785	5.688	5.888	59.400	50.000	18.8
4,4'-DDE	5.231	5.133	5.333	56.910	50.000	13.8
4,4'-DDT	6.036	5.937	6.137	54.630	50.000	9.3
Aldrin	4.225	4.128	4.328	56.960	50.000	13.9
alpha-BHC	3.278	3.180	3.380	57.770	50.000	15.5
alpha-Chlordane	5.042	4.944	5.144	55.720	50.000	11.4
beta-BHC	3.908	3.810	4.010	57.160	50.000	14.3
Decachlorobiphenyl	7.911	7.812	8.012	51.060	50.000	2.1
delta-BHC	4.136	4.038	4.238	57.910	50.000	15.8
Dieldrin	5.362	5.264	5.464	55.890	50.000	11.8
Endosulfan I	5.098	5.000	5.200	56.110	50.000	12.2
Endosulfan II	5.932	5.834	6.034	56.610	50.000	13.2
Endosulfan sulfate	6.335	6.237	6.437	54.250	50.000	8.5
Endrin	5.638	5.540	5.740	55.140	50.000	10.3
Endrin aldehyde	6.112	6.013	6.213	54.790	50.000	9.6
Endrin ketone	6.840	6.742	6.942	54.250	50.000	8.5
gamma-BHC (Lindane)	3.608	3.510	3.710	57.510	50.000	15.0
gamma-Chlordane	4.978	4.880	5.080	56.100	50.000	12.2
Heptachlor	3.946	3.848	4.048	55.070	50.000	10.1
Heptachlor epoxide	4.728	4.630	4.830	55.340	50.000	10.7
Methoxychlor	6.610	6.512	6.712	51.220	50.000	2.4
Tetrachloro-m-xylene	2.776	2.677	2.877	56.460	50.000	12.9

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

Continuing Calib Date: 01/20/2025 Initial Calibration Date(s): 12/23/2024 12/23/2024

Continuing Calib Time: 14:19 Initial Calibration Time(s): 13:15 14:09

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.78	4.78	4.68	4.88	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.01
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.58	6.58	6.48	6.68	0.01
Endosulfan II	6.79	6.80	6.70	6.90	0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.02	7.03	6.93	7.13	0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.65	7.55	7.75	0.01
Endrin aldehyde	6.93	6.93	6.83	7.03	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

Continuing Calib Date: 01/20/2025 Initial Calibration Date(s): 12/23/2024 12/23/2024

Continuing Calib Time: 14:19 Initial Calibration Time(s): 13:15 14:09

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.91	7.91	7.81	8.01	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.01
Aldrin	4.23	4.23	4.13	4.33	0.01
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.36	5.36	5.26	5.46	0.00
4,4'-DDE	5.23	5.23	5.13	5.33	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.93	5.93	5.83	6.03	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.01
Endosulfan sulfate	6.33	6.34	6.24	6.44	0.01
4,4'-DDT	6.04	6.04	5.94	6.14	0.01
Methoxychlor	6.61	6.61	6.51	6.71	0.00
Endrin ketone	6.84	6.84	6.74	6.94	0.00
Endrin aldehyde	6.11	6.11	6.01	6.21	0.00
alpha-Chlordane	5.04	5.04	4.94	5.14	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 12/23/2024 12/23/2024

Client Sample No.: CCAL02 Date Analyzed: 01/20/2025

Lab Sample No.: PSTDCCC050 Data File : PL093707.D Time Analyzed: 14:19

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.711	6.611	6.811	52.780	50.000	5.6
4,4'-DDE	6.194	6.094	6.294	51.170	50.000	2.3
4,4'-DDT	7.024	6.925	7.125	49.700	50.000	-0.6
Aldrin	5.258	5.159	5.359	50.490	50.000	1.0
alpha-BHC	3.997	3.897	4.097	50.180	50.000	0.4
alpha-Chlordane	6.020	5.920	6.120	50.180	50.000	0.4
beta-BHC	4.527	4.427	4.627	50.410	50.000	0.8
Decachlorobiphenyl	9.056	8.956	9.156	49.920	50.000	-0.2
delta-BHC	4.775	4.675	4.875	51.660	50.000	3.3
Dieldrin	6.345	6.246	6.446	49.620	50.000	-0.8
Endosulfan I	6.070	5.971	6.171	49.700	50.000	-0.6
Endosulfan II	6.794	6.695	6.895	46.600	50.000	-6.8
Endosulfan sulfate	7.159	7.060	7.260	49.490	50.000	-1.0
Endrin	6.575	6.475	6.675	48.570	50.000	-2.9
Endrin aldehyde	6.925	6.826	7.026	49.150	50.000	-1.7
Endrin ketone	7.644	7.545	7.745	50.150	50.000	0.3
gamma-BHC (Lindane)	4.329	4.229	4.429	50.910	50.000	1.8
gamma-Chlordane	5.941	5.841	6.041	49.910	50.000	-0.2
Heptachlor	4.917	4.818	5.018	50.540	50.000	1.1
Heptachlor epoxide	5.685	5.586	5.786	50.010	50.000	0.0
Methoxychlor	7.501	7.400	7.600	50.580	50.000	1.2
Tetrachloro-m-xylene	3.541	3.442	3.642	49.520	50.000	-1.0

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 12/23/2024 12/23/2024

Client Sample No.: CCAL02 Date Analyzed: 01/20/2025

Lab Sample No.: PSTDCCC050 Data File : PL093707.D Time Analyzed: 14:19

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.785	5.688	5.888	56.740	50.000	13.5
4,4'-DDE	5.230	5.133	5.333	53.040	50.000	6.1
4,4'-DDT	6.035	5.937	6.137	51.990	50.000	4.0
Aldrin	4.225	4.128	4.328	52.470	50.000	4.9
alpha-BHC	3.278	3.180	3.380	53.090	50.000	6.2
alpha-Chlordane	5.041	4.944	5.144	51.950	50.000	3.9
beta-BHC	3.907	3.810	4.010	52.560	50.000	5.1
Decachlorobiphenyl	7.910	7.812	8.012	51.660	50.000	3.3
delta-BHC	4.136	4.038	4.238	53.490	50.000	7.0
Dieldrin	5.361	5.264	5.464	52.340	50.000	4.7
Endosulfan I	5.097	5.000	5.200	51.810	50.000	3.6
Endosulfan II	5.932	5.834	6.034	53.950	50.000	7.9
Endosulfan sulfate	6.334	6.237	6.437	53.050	50.000	6.1
Endrin	5.637	5.540	5.740	51.990	50.000	4.0
Endrin aldehyde	6.111	6.013	6.213	52.670	50.000	5.3
Endrin ketone	6.839	6.742	6.942	53.330	50.000	6.7
gamma-BHC (Lindane)	3.607	3.510	3.710	53.020	50.000	6.0
gamma-Chlordane	4.978	4.880	5.080	52.110	50.000	4.2
Heptachlor	3.945	3.848	4.048	51.780	50.000	3.6
Heptachlor epoxide	4.728	4.630	4.830	51.410	50.000	2.8
Methoxychlor	6.610	6.512	6.712	51.530	50.000	3.1
Tetrachloro-m-xylene	2.775	2.677	2.877	52.000	50.000	4.0

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 12/23/2024 12/23/2024

Client Sample No. (PEM): PEM - PL093482.D Date Analyzed: 12/23/2024

Lab Sample No.(PEM): PEM Time Analyzed: 12:47

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.054	8.950	9.150	19.460	20.000	-2.7
Tetrachloro-m-xylene	3.541	3.490	3.590	19.200	20.000	-4.0
alpha-BHC	3.997	3.950	4.050	9.900	10.000	-1.0
beta-BHC	4.528	4.480	4.580	9.800	10.000	-2.0
gamma-BHC (Lindane)	4.329	4.280	4.380	9.720	10.000	-2.8
Endrin	6.575	6.500	6.650	42.660	50.000	-14.7
4,4'-DDT	7.025	6.950	7.100	85.450	100.000	-14.6
Methoxychlor	7.501	7.430	7.570	195.970	250.000	-21.6

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 12/23/2024 12/23/2024

Client Sample No. (PEM): PEM - PL093482.D Date Analyzed: 12/23/2024

Lab Sample No.(PEM): PEM Time Analyzed: 12:47

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.912	7.810	8.010	18.580	20.000	-7.1
Tetrachloro-m-xylene	2.777	2.730	2.830	18.650	20.000	-6.8
alpha-BHC	3.280	3.230	3.330	8.850	10.000	-11.5
beta-BHC	3.910	3.860	3.960	9.830	10.000	-1.7
gamma-BHC (Lindane)	3.609	3.560	3.660	8.480	10.000	-15.2
Endrin	5.639	5.570	5.710	44.360	50.000	-11.3
4,4'-DDT	6.038	5.970	6.110	99.160	100.000	-0.8
Methoxychlor	6.612	6.540	6.680	219.190	250.000	-12.3

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **TETR06**

Lab Code: **CHEM** Case No.: **Q1122** SAS No.: **Q1122** SDG NO.: **Q1122**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **12/23/2024** **12/23/2024**

Client Sample No. (PEM): **PEM - PL093695.D** Date Analyzed: **01/20/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **09:05**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.055	8.950	9.160	22.130	20.000	10.7
Tetrachloro-m-xylene	3.540	3.490	3.590	23.190	20.000	16.0
alpha-BHC	3.995	3.940	4.050	12.040	10.000	20.4
beta-BHC	4.526	4.480	4.580	12.800	10.000	28.0
gamma-BHC (Lindane)	4.328	4.280	4.380	12.070	10.000	20.7
Endrin	6.574	6.500	6.640	47.580	50.000	-4.8
4,4'-DDT	7.024	6.950	7.090	100.200	100.000	0.2
Methoxychlor	7.500	7.430	7.570	228.710	250.000	-8.5

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **12/23/2024** **12/23/2024**

Client Sample No. (PEM): **PEM - PL093695.D** Date Analyzed: **01/20/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **09:05**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.911	7.810	8.010	20.550	20.000	2.8
Tetrachloro-m-xylene	2.776	2.730	2.830	22.760	20.000	13.8
alpha-BHC	3.277	3.230	3.330	10.900	10.000	9.0
beta-BHC	3.908	3.860	3.960	12.260	10.000	22.6
gamma-BHC (Lindane)	3.608	3.560	3.660	10.570	10.000	5.7
Endrin	5.637	5.570	5.710	52.210	50.000	4.4
4,4'-DDT	6.036	5.970	6.110	112.910	100.000	12.9
Methoxychlor	6.610	6.540	6.680	233.340	250.000	-6.7

Analytical Sequence

Client: Tetra Tech NUS, Inc.	SDG No.: Q1122
Project: NWIRP Bethpage 112G08005-WE13	Instrument ID: ECD_L
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 12/23/2024 12/23/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	12/23/2024	12:34	PL093481.D	9.06	3.54
PEM	PEM	12/23/2024	12:47	PL093482.D	9.05	3.54
RESCHK	RESCHK	12/23/2024	13:01	PL093483.D	9.06	3.54
PSTDICC100	PSTDICC100	12/23/2024	13:15	PL093484.D	9.06	3.54
PSTDICC075	PSTDICC075	12/23/2024	13:28	PL093485.D	9.06	3.54
PSTDICC050	PSTDICC050	12/23/2024	13:42	PL093486.D	9.06	3.54
PSTDICC025	PSTDICC025	12/23/2024	13:55	PL093487.D	9.05	3.54
PSTDICC005	PSTDICC005	12/23/2024	14:09	PL093488.D	9.05	3.54
PCHLORICC500	PCHLORICC500	12/23/2024	14:50	PL093491.D	9.06	3.54
PTOXICC500	PTOXICC500	12/23/2024	15:58	PL093496.D	9.06	3.54
IBLK	IBLK	01/20/2025	08:51	PL093694.D	9.06	3.54
PEM	PEM	01/20/2025	09:05	PL093695.D	9.06	3.54
PSTDCCC050	PSTDCCC050	01/20/2025	09:18	PL093696.D	9.06	3.54
PB166101BL	PB166101BL	01/20/2025	12:22	PL093701.D	9.06	3.54
PB166101BS	PB166101BS	01/20/2025	12:35	PL093702.D	9.06	3.54
PB166101BSD	PB166101BSD	01/20/2025	13:01	PL093703.D	9.06	3.55
RW10A-20250116	Q1122-01	01/20/2025	13:28	PL093705.D	9.05	3.54
IBLK	IBLK	01/20/2025	13:50	PL093706.D	9.08	3.57
PSTDCCC050	PSTDCCC050	01/20/2025	14:19	PL093707.D	9.06	3.54

Analytical Sequence

Client: Tetra Tech NUS, Inc.	SDG No.: Q1122
Project: NWIRP Bethpage 112G08005-WE13	Instrument ID: ECD_L
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 12/23/2024 12/23/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	12/23/2024	12:34	PL093481.D	7.91	2.78
PEM	PEM	12/23/2024	12:47	PL093482.D	7.91	2.78
RESCHK	RESCHK	12/23/2024	13:01	PL093483.D	7.91	2.78
PSTDICC100	PSTDICC100	12/23/2024	13:15	PL093484.D	7.91	2.78
PSTDICC075	PSTDICC075	12/23/2024	13:28	PL093485.D	7.91	2.78
PSTDICC050	PSTDICC050	12/23/2024	13:42	PL093486.D	7.91	2.78
PSTDICC025	PSTDICC025	12/23/2024	13:55	PL093487.D	7.91	2.78
PSTDICC005	PSTDICC005	12/23/2024	14:09	PL093488.D	7.91	2.78
PCHLORICC500	PCHLORICC500	12/23/2024	14:50	PL093491.D	7.91	2.78
PTOXICC500	PTOXICC500	12/23/2024	15:58	PL093496.D	7.91	2.78
IBLK	IBLK	01/20/2025	08:51	PL093694.D	7.91	2.78
PEM	PEM	01/20/2025	09:05	PL093695.D	7.91	2.78
PSTDCCC050	PSTDCCC050	01/20/2025	09:18	PL093696.D	7.91	2.78
PB166101BL	PB166101BL	01/20/2025	12:22	PL093701.D	7.91	2.78
PB166101BS	PB166101BS	01/20/2025	12:35	PL093702.D	7.91	2.78
PB166101BSD	PB166101BSD	01/20/2025	13:01	PL093703.D	7.91	2.78
RW10A-20250116	Q1122-01	01/20/2025	13:28	PL093705.D	7.91	2.78
IBLK	IBLK	01/20/2025	13:50	PL093706.D	7.91	2.78
PSTDCCC050	PSTDCCC050	01/20/2025	14:19	PL093707.D	7.91	2.78

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB166101BS

Contract: TETR06

Lab Code: CHEM

Case No.: Q1122

SAS No.: Q1122

SDG NO.: Q1122

Lab Sample ID: PB166101BS

Date(s) Analyzed: 01/20/2025

01/20/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.79	6.74	6.84	0.46	14.1
	2	5.93	5.88	5.98	0.53	
4,4'-DDD	1	6.71	6.66	6.76	0.52	5.7
	2	5.79	5.74	5.84	0.55	
4,4'-DDT	1	7.02	6.97	7.07	0.50	1.9
	2	6.04	5.99	6.09	0.51	
Endrin aldehyde	1	6.92	6.87	6.97	0.47	6.4
	2	6.11	6.06	6.16	0.50	
Endosulfan sulfate	1	7.16	7.11	7.21	0.48	6.4
	2	6.33	6.28	6.38	0.51	
Methoxychlor	1	7.50	7.45	7.55	0.48	0.1
	2	6.61	6.56	6.66	0.48	
Endrin ketone	1	7.64	7.59	7.69	0.49	7.1
	2	6.84	6.79	6.89	0.52	
alpha-BHC	1	3.99	3.94	4.04	0.47	4.4
	2	3.28	3.23	3.33	0.49	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.46	3
	2	3.61	3.56	3.66	0.48	
Heptachlor	1	4.92	4.87	4.97	0.48	1.8
	2	3.95	3.90	4.00	0.49	
Aldrin	1	5.26	5.21	5.31	0.46	2.7
	2	4.23	4.18	4.28	0.47	
beta-BHC	1	4.53	4.48	4.58	0.48	3.2
	2	3.91	3.86	3.96	0.50	
delta-BHC	1	4.77	4.72	4.82	0.47	0.5
	2	4.14	4.09	4.19	0.48	
Heptachlor epoxide	1	5.68	5.63	5.73	0.47	3
	2	4.73	4.68	4.78	0.48	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB166101BS

Contract: TETR06

Lab Code: CHEM

Case No.: Q1122

SAS No.: Q1122

SDG NO.: Q1122

Lab Sample ID: PB166101BS

Date(s) Analyzed: 01/20/2025

01/20/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan I	1	6.07	6.02	6.12	0.48	5.6
	2	5.10	5.05	5.15	0.51	
gamma-Chlordane	1	5.94	5.89	5.99	0.48	5
	2	4.98	4.93	5.03	0.51	
alpha-Chlordane	1	6.02	5.97	6.07	0.48	3.8
	2	5.04	4.99	5.09	0.50	
4,4'-DDE	1	6.19	6.14	6.24	0.50	2.4
	2	5.23	5.18	5.28	0.51	
Dieldrin	1	6.34	6.29	6.39	0.48	5.4
	2	5.36	5.31	5.41	0.50	
Endrin	1	6.57	6.52	6.62	0.46	8.6
	2	5.64	5.59	5.69	0.50	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB166101BSD

Contract: TETR06

Lab Code: CHEM

Case No.: Q1122

SAS No.: Q1122

SDG NO.: Q1122

Lab Sample ID: PB166101BSD

Date(s) Analyzed: 01/20/2025

01/20/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.72	6.67	6.77	0.51	5.7
	2	5.79	5.74	5.84	0.54	
4,4'-DDT	1	7.03	6.98	7.08	0.49	1.9
	2	6.04	5.99	6.09	0.50	
Aldrin	1	5.26	5.21	5.31	0.45	0.7
	2	4.23	4.18	4.28	0.46	
4,4'-DDE	1	6.20	6.15	6.25	0.49	1.1
	2	5.23	5.18	5.28	0.49	
Endosulfan II	1	6.80	6.75	6.85	0.45	13.9
	2	5.93	5.88	5.98	0.52	
Endrin aldehyde	1	6.93	6.88	6.98	0.47	6
	2	6.11	6.06	6.16	0.49	
Endosulfan sulfate	1	7.16	7.11	7.21	0.48	6.2
	2	6.34	6.29	6.39	0.51	
Methoxychlor	1	7.51	7.46	7.56	0.48	0
	2	6.61	6.56	6.66	0.48	
Endrin ketone	1	7.65	7.60	7.70	0.49	6.3
	2	6.84	6.79	6.89	0.52	
alpha-BHC	1	4.00	3.95	4.05	0.45	2.5
	2	3.28	3.23	3.33	0.47	
gamma-BHC (Lindane)	1	4.34	4.29	4.39	0.45	1.1
	2	3.61	3.56	3.66	0.46	
Heptachlor	1	4.92	4.87	4.97	0.48	0.8
	2	3.95	3.90	4.00	0.47	
beta-BHC	1	4.53	4.48	4.58	0.47	2.5
	2	3.91	3.86	3.96	0.48	
delta-BHC	1	4.78	4.73	4.83	0.47	1.8
	2	4.14	4.09	4.19	0.46	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB166101BSD

Contract: TETR06

Lab Code: CHEM

Case No.: Q1122

SAS No.: Q1122

SDG NO.: Q1122

Lab Sample ID: PB166101BSD

Date(s) Analyzed: 01/20/2025

01/20/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Heptachlor epoxide	1	5.69	5.64	5.74	0.46	1
	2	4.73	4.68	4.78	0.47	
Endosulfan I	1	6.08	6.03	6.13	0.47	3.6
	2	5.10	5.05	5.15	0.49	
gamma-Chlordane	1	5.95	5.90	6.00	0.47	3.6
	2	4.98	4.93	5.03	0.49	
alpha-Chlordane	1	6.03	5.98	6.08	0.48	1.7
	2	5.04	4.99	5.09	0.49	
Dieldrin	1	6.35	6.30	6.40	0.47	3.6
	2	5.36	5.31	5.41	0.49	
Endrin	1	6.58	6.53	6.63	0.46	7.2
	2	5.64	5.59	5.69	0.49	