



LAB CHRONICLE

OrderID:	P5316	OrderDate:	12/17/2024 3:44:00 PM
Client:	Tetra Tech NUS, Inc.	Project:	CTO WE13
Contact:	Ernie Wu	Location:	L51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5316-01	TT-304-IDWSO-20241 217-1	SOIL			12/17/24			12/17/24
			PCB Group1	8082A		12/18/24	12/19/24	
			PESTICIDE Group1	8081B		12/18/24	12/18/24	

Hit Summary Sheet
SW-846

SDG No.: P5316

Order ID: P5316

Client: Tetra Tech NUS, Inc.

Project ID: CTO 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:	12/17/24	
Project:	CTO WE13		Date Received:	12/17/24	
Client Sample ID:	TT-304-IDWSO-20241217-1		SDG No.:	P5316	
Lab Sample ID:	P5316-01		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	68.6	Decanted:
Sample Wt/Vol:	30.05	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093420.D	1	12/18/24 08:10	12/18/24 16:45	PB165704

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	1.20	U	0.26	1.20	2.50	ug/kg
319-85-7	beta-BHC	1.20	U	0.71	1.20	2.50	ug/kg
319-86-8	delta-BHC	1.20	U	0.68	1.20	2.50	ug/kg
58-89-9	gamma-BHC (Lindane)	1.20	U	0.28	1.20	2.50	ug/kg
76-44-8	Heptachlor	1.20	U	0.25	1.20	2.50	ug/kg
309-00-2	Aldrin	1.20	U	0.20	1.20	2.50	ug/kg
959-98-8	Endosulfan I	1.20	U	0.25	1.20	2.50	ug/kg
60-57-1	Dieldrin	1.20	U	0.22	1.20	2.50	ug/kg
72-55-9	4,4-DDE	1.20	U	0.19	1.20	2.50	ug/kg
72-20-8	Endrin	1.20	U	0.23	1.20	2.50	ug/kg
33213-65-9	Endosulfan II	1.20	U	0.44	1.20	2.50	ug/kg
72-54-8	4,4-DDD	1.20	U	0.28	1.20	2.50	ug/kg
1031-07-8	Endosulfan Sulfate	1.20	U	0.19	1.20	2.50	ug/kg
50-29-3	4,4-DDT	1.20	U	0.25	1.20	2.50	ug/kg
5103-71-9	alpha-Chlordane	1.20	U	0.25	1.20	2.50	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	17.3		55 - 130		86%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.2		42 - 129		86%	SPK: 20

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	12/17/24	
Project:	CTO WE13		Date Received:	12/17/24	
Client Sample ID:	TT-304-IDWSO-20241217-1		SDG No.:	P5316	
Lab Sample ID:	P5316-01		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	68.6	Decanted:
Sample Wt/Vol:	30.05	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093420.D	1	12/18/24 08:10	12/18/24 16:45	PB165704

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.: **P5316**

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

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PL093230.D	PIBLK-PL093230.D	Decachlorobiphenyl	1	20	21.6	108		30	135
		Tetrachloro-m-xylene	1	20	21.2	106		44	124
		Decachlorobiphenyl	2	20	21.5	107		30	135
		Tetrachloro-m-xylene	2	20	20.4	102		44	124
I.BLK-PL093414.D	PIBLK-PL093414.D	Decachlorobiphenyl	1	20	24.8	124		30	135
		Tetrachloro-m-xylene	1	20	20.3	102		44	124
		Decachlorobiphenyl	2	20	23.4	117		30	135
		Tetrachloro-m-xylene	2	20	19.5	98		44	124
PB165704BL	PB165704BL	Decachlorobiphenyl	1	20	23.3	117		55	130
		Tetrachloro-m-xylene	1	20	19.2	96		42	129
		Decachlorobiphenyl	2	20	22.4	112		55	130
		Tetrachloro-m-xylene	2	20	18.4	92		42	129
PB165704BS	PB165704BS	Decachlorobiphenyl	1	20	23.6	118		55	130
		Tetrachloro-m-xylene	1	20	19.2	96		42	129
		Decachlorobiphenyl	2	20	22.6	113		55	130
		Tetrachloro-m-xylene	2	20	18.6	93		42	129
P5316-01	TT-304-IDWSO-20241217-1	Decachlorobiphenyl	1	20	17.3	86		55	130
		Tetrachloro-m-xylene	1	20	17.1	85		42	129
		Decachlorobiphenyl	2	20	15.9	80		55	130
		Tetrachloro-m-xylene	2	20	17.2	86		42	129
P5306-01MS	OU4-VSL-07-121224MS	Decachlorobiphenyl	1	20	21.2	106		55	130
		Tetrachloro-m-xylene	1	20	18.9	94		42	129
		Decachlorobiphenyl	2	20	19.7	99		55	130
		Tetrachloro-m-xylene	2	20	18.7	93		42	129
P5306-01MSD	OU4-VSL-07-121224MSD	Decachlorobiphenyl	1	20	21.1	106		55	130
		Tetrachloro-m-xylene	1	20	19.1	96		42	129
		Decachlorobiphenyl	2	20	19.8	99		55	130
		Tetrachloro-m-xylene	2	20	18.8	94		42	129
I.BLK-PL093426.D	PIBLK-PL093426.D	Decachlorobiphenyl	1	20	23.9	119		30	135
		Tetrachloro-m-xylene	1	20	20.5	103		44	124
		Decachlorobiphenyl	2	20	22.9	115		30	135
		Tetrachloro-m-xylene	2	20	19.8	99		44	124

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5316

Client: Tetra Tech NUS, Inc.

Analytical Method: 8081B

DataFile : PL093422.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: P5306-01MS	OU4-VSL-07-121224MS											
	alpha-BHC	18.31	0	18.3	ug/kg	100				45	137	
	beta-BHC	18.31	0	18.5	ug/kg	101				50	136	
	delta-BHC	18.31	0	17.3	ug/kg	94				47	139	
	gamma-BHC (Lindane)	18.31	0	18.0	ug/kg	98				49	135	
	Heptachlor	18.31	0	19.1	ug/kg	104				47	136	
	Aldrin	18.31	0	18.1	ug/kg	99				45	136	
	Endosulfan I	18.31	0	19.0	ug/kg	104				53	132	
	Dieldrin	18.31	0	18.9	ug/kg	103				56	136	
	4,4'-DDE	18.31	0	19.0	ug/kg	104				56	134	
	Endrin	18.31	0	19.8	ug/kg	108				57	140	
	Endosulfan II	18.31	0	19.2	ug/kg	105				53	134	
	4,4'-DDD	18.31	0	19.2	ug/kg	105				56	139	
	Endosulfan sulfate	18.31	0	19.1	ug/kg	104				55	136	
	4,4'-DDT	18.31	0	20.1	ug/kg	110				50	141	
	alpha-Chlordane	18.31	0	19.2	ug/kg	105				54	133	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5316

Client: Tetra Tech NUS, Inc.

Analytical Method: 8081B

DataFile : PL093423.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: OU4-VSL-07-121224MSD												
P5306-01MSD	alpha-BHC	18.34	0	18.5	ug/kg	101		1		45	137	20
	beta-BHC	18.34	0	18.6	ug/kg	101		0		50	136	20
	delta-BHC	18.34	0	17.4	ug/kg	95		1		47	139	20
	gamma-BHC (Lindane)	18.34	0	18.2	ug/kg	99		1		49	135	20
	Heptachlor	18.34	0	19.2	ug/kg	105		1		47	136	20
	Aldrin	18.34	0	18.2	ug/kg	99		0		45	136	20
	Endosulfan I	18.34	0	19.1	ug/kg	104		0		53	132	20
	Dieldrin	18.34	0	19.1	ug/kg	104		1		56	136	20
	4,4'-DDE	18.34	0	19.2	ug/kg	105		1		56	134	20
	Endrin	18.34	0	20.1	ug/kg	110		2		57	140	20
	Endosulfan II	18.34	0	19.3	ug/kg	105		0		53	134	20
	4,4'-DDD	18.34	0	19.4	ug/kg	106		1		56	139	20
	Endosulfan sulfate	18.34	0	19.2	ug/kg	105		1		55	136	20
	4,4'-DDT	18.34	0	20.2	ug/kg	110		0		50	141	20
	alpha-Chlordane	18.34	0	19.2	ug/kg	105		0		54	133	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5316

Client: Tetra Tech NUS, Inc.

Analytical Method: **8081B** Datafile : PL093417.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB165704BS	alpha-BHC	16.66	16.8	ug/kg	101				45	137	
	beta-BHC	16.66	16.8	ug/kg	101				50	136	
	delta-BHC	16.66	15.7	ug/kg	94				47	139	
	gamma-BHC (Lindane)	16.66	16.6	ug/kg	100				49	135	
	Heptachlor	16.66	17.6	ug/kg	106				47	136	
	Aldrin	16.66	16.6	ug/kg	100				45	136	
	Endosulfan I	16.66	17.8	ug/kg	107				53	132	
	Dieldrin	16.66	17.9	ug/kg	107				56	136	
	4,4'-DDE	16.66	17.6	ug/kg	106				56	134	
	Endrin	16.66	18.8	ug/kg	113				57	140	
	Endosulfan II	16.66	18.3	ug/kg	110				53	134	
	4,4'-DDD	16.66	17.9	ug/kg	107				56	139	
	Endosulfan sulfate	16.66	17.9	ug/kg	107				55	136	
	4,4'-DDT	16.66	18.7	ug/kg	112				50	141	
	alpha-Chlordane	16.66	17.8	ug/kg	107				54	133	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165704BL

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: P5316

SAS No.: P5316 SDG NO.: P5316

Lab Sample ID: PB165704BL

Lab File ID: PL093416.D

Matrix: (soil/water) Solid

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 12/18/2024

Date Analyzed (1): 12/18/2024

Date Analyzed (2): 12/18/2024

Time Analyzed (1): 15:49

Time Analyzed (2): 15:49

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
PB165704BS	PB165704BS	PL093417.D	12/18/2024	12/18/2024
TT-304-IDWSO-20241217-1	P5316-01	PL093420.D	12/18/2024	12/18/2024
OU4-VSL-07-121224MS	P5306-01MS	PL093422.D	12/18/2024	12/18/2024
OU4-VSL-07-121224MSD	P5306-01MSD	PL093423.D	12/18/2024	12/18/2024

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:		
Project:	CTO WE13		Date Received:		
Client Sample ID:	PB165704BL		SDG No.:	P5316	
Lab Sample ID:	PB165704BL		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	100	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093416.D	1	12/18/24 08:10	12/18/24 15:49	PB165704

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	0.83	U	0.18	0.83	1.70	ug/kg
319-85-7	beta-BHC	0.83	U	0.49	0.83	1.70	ug/kg
319-86-8	delta-BHC	0.83	U	0.47	0.83	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	0.83	U	0.19	0.83	1.70	ug/kg
76-44-8	Heptachlor	0.83	U	0.17	0.83	1.70	ug/kg
309-00-2	Aldrin	0.83	U	0.14	0.83	1.70	ug/kg
959-98-8	Endosulfan I	0.83	U	0.17	0.83	1.70	ug/kg
60-57-1	Dieldrin	0.83	U	0.15	0.83	1.70	ug/kg
72-55-9	4,4-DDE	0.83	U	0.13	0.83	1.70	ug/kg
72-20-8	Endrin	0.83	U	0.16	0.83	1.70	ug/kg
33213-65-9	Endosulfan II	0.83	U	0.30	0.83	1.70	ug/kg
72-54-8	4,4-DDD	0.83	U	0.19	0.83	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	0.83	U	0.13	0.83	1.70	ug/kg
50-29-3	4,4-DDT	0.83	U	0.17	0.83	1.70	ug/kg
5103-71-9	alpha-Chlordane	0.83	U	0.17	0.83	1.70	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	23.3		55 - 130		117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.2		42 - 129		96%	SPK: 20

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:		
Project:	CTO WE13		Date Received:		
Client Sample ID:	PB165704BL		SDG No.:	P5316	
Lab Sample ID:	PB165704BL		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	100	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093416.D	1	12/18/24 08:10	12/18/24 15:49	PB165704

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:	11/25/24	
Project:	CTO WE13		Date Received:	11/25/24	
Client Sample ID:	PIBLK-PL093230.D		SDG No.:	P5316	
Lab Sample ID:	I.BLK-PL093230.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 Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093230.D	1		11/25/24	PL112524

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
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
5103-71-9	alpha-Chlordane	0.025	U	0.0060	0.025	0.050	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	21.6		30 - 135		108%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.2		44 - 124		106%	SPK: 20

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	11/25/24	
Project:	CTO WE13		Date Received:	11/25/24	
Client Sample ID:	PIBLK-PL093230.D		SDG No.:	P5316	
Lab Sample ID:	I.BLK-PL093230.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 Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093230.D	1		11/25/24	PL112524

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

U = Not Detected

LOQ = Limit of Quantitation

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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:	12/18/24	
Project:	CTO WE13		Date Received:	12/18/24	
Client Sample ID:	PIBLK-PL093414.D		SDG No.:	P5316	
Lab Sample ID:	I.BLK-PL093414.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 Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093414.D	1		12/18/24	p1121824

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
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
5103-71-9	alpha-Chlordane	0.025	U	0.0060	0.025	0.050	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	24.8		30 - 135		124%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.3		44 - 124		102%	SPK: 20

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	12/18/24	
Project:	CTO WE13		Date Received:	12/18/24	
Client Sample ID:	PIBLK-PL093414.D		SDG No.:	P5316	
Lab Sample ID:	I.BLK-PL093414.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 Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093414.D	1		12/18/24	p1121824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	12/18/24	
Project:	CTO WE13		Date Received:	12/18/24	
Client Sample ID:	PIBLK-PL093426.D		SDG No.:	P5316	
Lab Sample ID:	I.BLK-PL093426.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 Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093426.D	1		12/18/24	p1121824

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
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
5103-71-9	alpha-Chlordane	0.025	U	0.0060	0.025	0.050	ug/L
SURROGATES							
2051-24-3	Decachlorobiphenyl	23.9		30 - 135		119%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.5		44 - 124		103%	SPK: 20

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	12/18/24	
Project:	CTO WE13		Date Received:	12/18/24	
Client Sample ID:	PIBLK-PL093426.D		SDG No.:	P5316	
Lab Sample ID:	I.BLK-PL093426.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 Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093426.D	1		12/18/24	p1121824

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

Client:	Tetra Tech NUS, Inc.		Date Collected:		
Project:	CTO WE13		Date Received:		
Client Sample ID:	PB165704BS		SDG No.:	P5316	
Lab Sample ID:	PB165704BS		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	100	Decanted:
Sample Wt/Vol:	30.01	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093417.D	1	12/18/24 08:10	12/18/24 16:03	PB165704

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	16.8		0.18	0.83	1.70	ug/kg
319-85-7	beta-BHC	16.8		0.49	0.83	1.70	ug/kg
319-86-8	delta-BHC	15.7		0.47	0.83	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	16.6		0.19	0.83	1.70	ug/kg
76-44-8	Heptachlor	17.6		0.17	0.83	1.70	ug/kg
309-00-2	Aldrin	16.6		0.14	0.83	1.70	ug/kg
959-98-8	Endosulfan I	17.8		0.17	0.83	1.70	ug/kg
60-57-1	Dieldrin	17.9		0.15	0.83	1.70	ug/kg
72-55-9	4,4-DDE	17.6		0.13	0.83	1.70	ug/kg
72-20-8	Endrin	18.8		0.16	0.83	1.70	ug/kg
33213-65-9	Endosulfan II	18.3		0.30	0.83	1.70	ug/kg
72-54-8	4,4-DDD	17.9		0.19	0.83	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	17.9		0.13	0.83	1.70	ug/kg
50-29-3	4,4-DDT	18.7		0.17	0.83	1.70	ug/kg
5103-71-9	alpha-Chlordane	17.8		0.17	0.83	1.70	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	23.6		55 - 130		118%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.2		42 - 129		96%	SPK: 20

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:		
Project:	CTO WE13		Date Received:		
Client Sample ID:	PB165704BS		SDG No.:	P5316	
Lab Sample ID:	PB165704BS		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	100	Decanted:
Sample Wt/Vol:	30.01	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093417.D	1	12/18/24 08:10	12/18/24 16:03	PB165704

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

Client:	Tetra Tech NUS, Inc.		Date Collected:	12/12/24	
Project:	CTO WE13		Date Received:	12/17/24	
Client Sample ID:	OU4-VSL-07-121224MS		SDG No.:	P5316	
Lab Sample ID:	P5306-01MS		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	90.8	Decanted:
Sample Wt/Vol:	30.07	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093422.D	1	12/18/24 08:10	12/18/24 17:11	PB165704

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	18.3		0.20	0.91	1.90	ug/kg
319-85-7	beta-BHC	18.5		0.54	0.91	1.90	ug/kg
319-86-8	delta-BHC	17.3		0.52	0.91	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	18.0		0.21	0.91	1.90	ug/kg
76-44-8	Heptachlor	19.1		0.19	0.91	1.90	ug/kg
309-00-2	Aldrin	18.1		0.15	0.91	1.90	ug/kg
959-98-8	Endosulfan I	19.0		0.19	0.91	1.90	ug/kg
60-57-1	Dieldrin	18.9		0.16	0.91	1.90	ug/kg
72-55-9	4,4-DDE	19.0		0.14	0.91	1.90	ug/kg
72-20-8	Endrin	19.8		0.18	0.91	1.90	ug/kg
33213-65-9	Endosulfan II	19.2		0.33	0.91	1.90	ug/kg
72-54-8	4,4-DDD	19.2		0.21	0.91	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	19.1		0.14	0.91	1.90	ug/kg
50-29-3	4,4-DDT	20.1		0.19	0.91	1.90	ug/kg
5103-71-9	alpha-Chlordane	19.2		0.19	0.91	1.90	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	21.2		55 - 130		106%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.9		42 - 129		94%	SPK: 20

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	12/12/24	
Project:	CTO WE13		Date Received:	12/17/24	
Client Sample ID:	OU4-VSL-07-121224MS		SDG No.:	P5316	
Lab Sample ID:	P5306-01MS		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	90.8	Decanted:
Sample Wt/Vol:	30.07	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093422.D	1	12/18/24 08:10	12/18/24 17:11	PB165704

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

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Project:	CTO WE13		Date Received:	12/17/24	
Client Sample ID:	OU4-VSL-07-121224MSD		SDG No.:	P5316	
Lab Sample ID:	P5306-01MSD		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	90.8	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093423.D	1	12/18/24 08:10	12/18/24 17:24	PB165704

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
319-84-6	alpha-BHC	18.5		0.20	0.91	1.90	ug/kg
319-85-7	beta-BHC	18.6		0.54	0.91	1.90	ug/kg
319-86-8	delta-BHC	17.4		0.52	0.91	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	18.2		0.21	0.91	1.90	ug/kg
76-44-8	Heptachlor	19.2		0.19	0.91	1.90	ug/kg
309-00-2	Aldrin	18.2		0.15	0.91	1.90	ug/kg
959-98-8	Endosulfan I	19.1		0.19	0.91	1.90	ug/kg
60-57-1	Dieldrin	19.1		0.17	0.91	1.90	ug/kg
72-55-9	4,4-DDE	19.2		0.14	0.91	1.90	ug/kg
72-20-8	Endrin	20.1		0.18	0.91	1.90	ug/kg
33213-65-9	Endosulfan II	19.3		0.33	0.91	1.90	ug/kg
72-54-8	4,4-DDD	19.4		0.21	0.91	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	19.2		0.14	0.91	1.90	ug/kg
50-29-3	4,4-DDT	20.2		0.19	0.91	1.90	ug/kg
5103-71-9	alpha-Chlordane	19.2		0.19	0.91	1.90	ug/kg
SURROGATES							
2051-24-3	Decachlorobiphenyl	21.1		55 - 130		106%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.1		42 - 129		96%	SPK: 20

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	12/12/24	
Project:	CTO WE13		Date Received:	12/17/24	
Client Sample ID:	OU4-VSL-07-121224MSD		SDG No.:	P5316	
Lab Sample ID:	P5306-01MSD		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	90.8	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PESTICIDE Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093423.D	1	12/18/24 08:10	12/18/24 17:24	PB165704

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

A
B
C
D
E
F
G
H

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

[illegible]

A
B
C
D
E
F
G
H

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

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: TETR06

Lab Code: CHEM **Case No.:** P5316 **SAS No.:** P5316 **SDG NO.:** P5316

Instrument ID: ECD_L **Calibration Date(s):** 11/25/2024 11/25/2024
Calibration Times: 11:32 12:25

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

LAB FILE ID:		CF 100 = <u>PL093233.D</u>		CF 075 = <u>PL093234.D</u>			
CF 050 = <u>PL093235.D</u>		CF 025 = <u>PL093236.D</u>		CF 005 = <u>PL093237.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	1733160000	1808650000	1850720000	1925860000	1843070000	1832290000	4
4,4'-DDE	2221210000	2350500000	2360510000	2470590000	2293780000	2339320000	4
4,4'-DDT	1832790000	1947390000	1967960000	2054550000	1836470000	1927830000	5
Aldrin	2864930000	2979570000	3025940000	3161520000	3003890000	3007170000	4
alpha-BHC	3546710000	3634980000	3627190000	3670430000	3362830000	3568430000	3
alpha-Chlordane	2430330000	2540140000	2604520000	2738720000	2641650000	2591070000	4
beta-BHC	1384220000	1466250000	1517740000	1604570000	1575890000	1509730000	6
Decachlorobiphenyl	1636890000	1805930000	1768720000	1908190000	1572960000	1738540000	8
delta-BHC	3155870000	3296970000	3306540000	3378330000	3405360000	3308610000	3
Dieldrin	2424230000	2526570000	2583130000	2696740000	2585100000	2563150000	4
Endosulfan I	2275880000	2386120000	2450130000	2582940000	2475880000	2434190000	5
Endosulfan II	2033520000	2140370000	2196030000	2317560000	2214970000	2180490000	5
Endosulfan sulfate	1881360000	2004670000	2075560000	2212740000	2189070000	2072680000	7
Endrin	2015080000	2111400000	2119300000	2210550000	2031060000	2097480000	4
gamma-BHC (Lindane)	3326530000	3429060000	3428820000	3506080000	3202850000	3378670000	3
Heptachlor	2864790000	3012490000	3073870000	3224760000	3104640000	3056110000	4
Tetrachloro-m-xylene	2478960000	2567570000	2623850000	2737290000	2587160000	2598970000	4

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: TETR06

Lab Code: CHEM **Case No.:** P5316 **SAS No.:** P5316 **SDG NO.:** P5316

Instrument ID: ECD_L **Calibration Date(s):** 11/25/2024 11/25/2024
Calibration Times: 11:32 12:25

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

LAB FILE ID:		CF 100 =	<u>PL093233.D</u>	CF 075 =	<u>PL093234.D</u>		
CF 050 =		<u>PL093235.D</u>	CF 025 =	<u>PL093236.D</u>	CF 005 =	<u>PL093237.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2938310000	3008290000	2954750000	2869940000	2245840000	2803430000	11
4,4'-DDE	3669800000	3789570000	3752520000	3699990000	2988240000	3580020000	9
4,4'-DDT	3053250000	3213950000	3132520000	3008670000	2400480000	2961770000	11
Aldrin	4176660000	4246280000	4177830000	4064810000	3228690000	3978850000	11
alpha-BHC	4584280000	4598400000	4521370000	4323420000	3319640000	4269420000	13
alpha-Chlordane	3719860000	3823200000	3792490000	3768450000	3047300000	3630260000	9
beta-BHC	1761950000	1816770000	1832380000	1861530000	1621710000	1778870000	5
Decachlorobiphenyl	2704170000	2907150000	2926840000	3026130000	2717990000	2856460000	5
delta-BHC	4412200000	4529140000	4463710000	4313560000	3613930000	4266510000	9
Dieldrin	3827290000	3925470000	3861790000	3769600000	3043370000	3685500000	10
Endosulfan I	3413930000	3518860000	3499260000	3473610000	2809170000	3342970000	9
Endosulfan II	3179530000	3325230000	3323650000	3252480000	2764060000	3168990000	7
Endosulfan sulfate	2980440000	3120030000	3136930000	3121900000	2839030000	3039660000	4
Endrin	3285480000	3406140000	3321940000	3229670000	2703080000	3189260000	9
gamma-BHC (Lindane)	4399940000	4444240000	4357890000	4207630000	3289050000	4139750000	12
Heptachlor	4159950000	4268960000	4232300000	4183330000	3383120000	4045530000	9
Tetrachloro-m-xylene	2925820000	2968760000	2977700000	3001480000	2546340000	2884020000	7

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P5316 SAS No.: P5316 SDG NO.: P5316

Continuing Calib Date: 12/18/2024 Initial Calibration Date(s): 11/25/2024 11/25/2024

Continuing Calib Time: 14:24 Initial Calibration Time(s): 11:32 12:25

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	3.99	3.89	4.09	-0.01
beta-BHC	4.53	4.52	4.42	4.62	-0.01
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.91	4.81	5.01	-0.01
Aldrin	5.26	5.26	5.16	5.36	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.34	6.24	6.44	-0.01
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.58	6.57	6.47	6.67	0.00
Endosulfan II	6.80	6.79	6.69	6.89	-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	7.03	7.02	6.92	7.12	-0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P5316 SAS No.: P5316 SDG NO.: P5316

Continuing Calib Date: 12/18/2024 Initial Calibration Date(s): 11/25/2024 11/25/2024

Continuing Calib Time: 14:24 Initial Calibration Time(s): 11:32 12:25

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	2.77	2.67	2.87	-0.01
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	0.00
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	0.00
Endosulfan sulfate	6.34	6.33	6.23	6.43	-0.01
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
alpha-Chlordane	5.04	5.04	4.94	5.14	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P5316 SAS No.: P5316 SDG NO.: P5316

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 11/25/2024 11/25/2024

Client Sample No.: CCAL01 Date Analyzed: 12/18/2024

Lab Sample No.: PSTDCCC050 Data File : PL093415.D Time Analyzed: 14:24

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.712	6.608	6.808	54.320	50.000	8.6
4,4'-DDE	6.195	6.090	6.290	52.890	50.000	5.8
4,4'-DDT	7.026	6.922	7.122	54.440	50.000	8.9
Aldrin	5.259	5.155	5.355	52.760	50.000	5.5
alpha-BHC	3.997	3.892	4.092	54.060	50.000	8.1
alpha-Chlordane	6.021	5.916	6.116	52.540	50.000	5.1
beta-BHC	4.527	4.423	4.623	52.320	50.000	4.6
Decachlorobiphenyl	9.058	8.954	9.154	57.880	50.000	15.8
delta-BHC	4.774	4.670	4.870	52.050	50.000	4.1
Dieldrin	6.347	6.242	6.442	52.610	50.000	5.2
Endosulfan I	6.071	5.967	6.167	52.440	50.000	4.9
Endosulfan II	6.796	6.692	6.892	53.100	50.000	6.2
Endosulfan sulfate	7.161	7.056	7.256	53.010	50.000	6.0
Endrin	6.575	6.472	6.672	55.380	50.000	10.8
gamma-BHC (Lindane)	4.329	4.225	4.425	53.920	50.000	7.8
Heptachlor	4.918	4.813	5.013	52.780	50.000	5.6
Tetrachloro-m-xylene	3.541	3.436	3.636	53.140	50.000	6.3

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P5316 SAS No.: P5316 SDG NO.: P5316

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/25/2024 11/25/2024

Client Sample No.: CCAL01 Date Analyzed: 12/18/2024

Lab Sample No.: PSTDCCC050 Data File : PL093415.D Time Analyzed: 14:24

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.787	5.685	5.885	56.990	50.000	14.0
4,4'-DDE	5.232	5.130	5.330	56.250	50.000	12.5
4,4'-DDT	6.037	5.935	6.135	57.720	50.000	15.4
Aldrin	4.227	4.125	4.325	56.670	50.000	13.3
alpha-BHC	3.279	3.176	3.376	56.990	50.000	14.0
alpha-Chlordane	5.043	4.941	5.141	56.400	50.000	12.8
beta-BHC	3.909	3.807	4.007	55.080	50.000	10.2
Decachlorobiphenyl	7.914	7.812	8.012	57.470	50.000	14.9
delta-BHC	4.138	4.035	4.235	55.650	50.000	11.3
Dieldrin	5.364	5.262	5.462	56.950	50.000	13.9
Endosulfan I	5.099	4.997	5.197	50.910	50.000	1.8
Endosulfan II	5.934	5.832	6.032	57.220	50.000	14.4
Endosulfan sulfate	6.337	6.234	6.434	56.230	50.000	12.5
Endrin	5.639	5.537	5.737	58.340	50.000	16.7
gamma-BHC (Lindane)	3.609	3.506	3.706	57.010	50.000	14.0
Heptachlor	3.947	3.845	4.045	56.740	50.000	13.5
Tetrachloro-m-xylene	2.776	2.674	2.874	55.470	50.000	10.9

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P5316 SAS No.: P5316 SDG NO.: P5316

Continuing Calib Date: 12/18/2024 Initial Calibration Date(s): 11/25/2024 11/25/2024

Continuing Calib Time: 18:18 Initial Calibration Time(s): 11:32 12:25

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	3.99	3.89	4.09	0.00
beta-BHC	4.53	4.52	4.42	4.62	-0.01
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.91	4.81	5.01	-0.01
Aldrin	5.26	5.26	5.16	5.36	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.34	6.24	6.44	-0.01
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.80	6.79	6.69	6.89	-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	7.03	7.02	6.92	7.12	-0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P5316 SAS No.: P5316 SDG NO.: P5316

Continuing Calib Date: 12/18/2024 Initial Calibration Date(s): 11/25/2024 11/25/2024

Continuing Calib Time: 18:18 Initial Calibration Time(s): 11:32 12:25

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	2.77	2.67	2.87	-0.01
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	0.00
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	5.94	5.93	5.83	6.03	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.33	6.23	6.43	-0.01
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
alpha-Chlordane	5.04	5.04	4.94	5.14	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P5316 SAS No.: P5316 SDG NO.: P5316

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 11/25/2024 11/25/2024

Client Sample No.: CCAL02 Date Analyzed: 12/18/2024

Lab Sample No.: PSTDCCC050 Data File : PL093427.D Time Analyzed: 18:18

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.711	6.608	6.808	49.090	50.000	-1.8
4,4'-DDE	6.194	6.090	6.290	47.160	50.000	-5.7
4,4'-DDT	7.025	6.922	7.122	48.250	50.000	-3.5
Aldrin	5.258	5.155	5.355	46.780	50.000	-6.4
alpha-BHC	3.995	3.892	4.092	47.510	50.000	-5.0
alpha-Chlordane	6.020	5.916	6.116	46.660	50.000	-6.7
beta-BHC	4.526	4.423	4.623	46.620	50.000	-6.8
Decachlorobiphenyl	9.057	8.954	9.154	52.070	50.000	4.1
delta-BHC	4.773	4.670	4.870	45.820	50.000	-8.4
Dieldrin	6.346	6.242	6.442	46.760	50.000	-6.5
Endosulfan I	6.071	5.967	6.167	46.550	50.000	-6.9
Endosulfan II	6.795	6.692	6.892	47.450	50.000	-5.1
Endosulfan sulfate	7.159	7.056	7.256	47.290	50.000	-5.4
Endrin	6.574	6.472	6.672	49.110	50.000	-1.8
gamma-BHC (Lindane)	4.328	4.225	4.425	47.560	50.000	-4.9
Heptachlor	4.916	4.813	5.013	46.670	50.000	-6.7
Tetrachloro-m-xylene	3.540	3.436	3.636	46.880	50.000	-6.2

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: P5316 SAS No.: P5316 SDG NO.: P5316

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/25/2024 11/25/2024

Client Sample No.: CCAL02 Date Analyzed: 12/18/2024

Lab Sample No.: PSTDCCC050 Data File : PL093427.D Time Analyzed: 18:18

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.788	5.685	5.885	51.970	50.000	3.9
4,4'-DDE	5.232	5.130	5.330	50.760	50.000	1.5
4,4'-DDT	6.038	5.935	6.135	51.110	50.000	2.2
Aldrin	4.227	4.125	4.325	50.780	50.000	1.6
alpha-BHC	3.278	3.176	3.376	50.980	50.000	2.0
alpha-Chlordane	5.044	4.941	5.141	50.880	50.000	1.8
beta-BHC	3.908	3.807	4.007	49.650	50.000	-0.7
Decachlorobiphenyl	7.913	7.812	8.012	53.120	50.000	6.2
delta-BHC	4.137	4.035	4.235	49.850	50.000	-0.3
Dieldrin	5.364	5.262	5.462	51.040	50.000	2.1
Endosulfan I	5.099	4.997	5.197	47.490	50.000	-5.0
Endosulfan II	5.935	5.832	6.032	51.340	50.000	2.7
Endosulfan sulfate	6.337	6.234	6.434	51.090	50.000	2.2
Endrin	5.639	5.537	5.737	52.190	50.000	4.4
gamma-BHC (Lindane)	3.608	3.506	3.706	51.000	50.000	2.0
Heptachlor	3.947	3.845	4.045	50.770	50.000	1.5
Tetrachloro-m-xylene	2.776	2.674	2.874	49.910	50.000	-0.2

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **TETR06**

Lab Code: **CHEM** Case No.: **P5316** SAS No.: **P5316** SDG NO.: **P5316**

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **11/25/2024** **11/25/2024**

Client Sample No. (PEM): **PEM - PL093231.D** Date Analyzed: **11/25/2024**

Lab Sample No.(PEM): **PEM** Time Analyzed: **11:05**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.054	8.950	9.150	20.040	20.000	0.2
Tetrachloro-m-xylene	3.536	3.490	3.590	20.160	20.000	0.8
alpha-BHC	3.991	3.940	4.040	10.350	10.000	3.5
beta-BHC	4.522	4.470	4.570	10.650	10.000	6.5
gamma-BHC (Lindane)	4.324	4.270	4.370	10.190	10.000	1.9
Endrin	6.572	6.500	6.640	45.410	50.000	-9.2
4,4'-DDT	7.022	6.950	7.090	89.610	100.000	-10.4
Methoxychlor	7.497	7.430	7.570	212.340	250.000	-15.1

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **11/25/2024** **11/25/2024**

Client Sample No. (PEM): **PEM - PL093231.D** Date Analyzed: **11/25/2024**

Lab Sample No.(PEM): **PEM** Time Analyzed: **11:05**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.912	7.810	8.010	19.260	20.000	-3.7
Tetrachloro-m-xylene	2.774	2.720	2.820	19.400	20.000	-3.0
alpha-BHC	3.276	3.230	3.330	9.230	10.000	-7.7
beta-BHC	3.906	3.860	3.960	9.990	10.000	-0.1
gamma-BHC (Lindane)	3.607	3.560	3.660	8.790	10.000	-12.1
Endrin	5.637	5.570	5.710	46.140	50.000	-7.7
4,4'-DDT	6.036	5.970	6.110	100.270	100.000	0.3
Methoxychlor	6.610	6.540	6.680	224.790	250.000	-10.1

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **TETR06**

Lab Code: **CHEM** Case No.: **P5316** SAS No.: **P5316** SDG NO.: **P5316**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **11/25/2024** **11/25/2024**

Client Sample No. (PEM): **PEM - PL093408.D** Date Analyzed: **12/18/2024**

Lab Sample No.(PEM): **PEM** Time Analyzed: **10:48**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.054	8.950	9.150	24.780	20.000	23.9
Tetrachloro-m-xylene	3.539	3.490	3.590	22.120	20.000	10.6
alpha-BHC	3.994	3.940	4.040	11.650	10.000	16.5
beta-BHC	4.525	4.470	4.580	11.820	10.000	18.2
gamma-BHC (Lindane)	4.327	4.280	4.380	11.580	10.000	15.8
Endrin	6.572	6.500	6.640	50.580	50.000	1.2
4,4'-DDT	7.024	6.950	7.090	102.080	100.000	2.1
Methoxychlor	7.500	7.430	7.570	234.290	250.000	-6.3

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **11/25/2024** **11/25/2024**

Client Sample No. (PEM): **PEM - PL093408.D** Date Analyzed: **12/18/2024**

Lab Sample No.(PEM): **PEM** Time Analyzed: **10:48**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.912	7.810	8.010	22.950	20.000	14.8
Tetrachloro-m-xylene	2.775	2.720	2.830	22.150	20.000	10.8
alpha-BHC	3.278	3.230	3.330	10.600	10.000	6.0
beta-BHC	3.908	3.860	3.960	11.560	10.000	15.6
gamma-BHC (Lindane)	3.608	3.560	3.660	10.110	10.000	1.1
Endrin	5.638	5.570	5.710	53.450	50.000	6.9
4,4'-DDT	6.036	5.970	6.110	118.430	100.000	18.4
Methoxychlor	6.611	6.540	6.680	266.160	250.000	6.5

Analytical Sequence

Client: Tetra Tech NUS, Inc.

SDG No.: P5316

Project: CTO WE13

Instrument ID: ECD_L

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 11/25/2024

11/25/2024

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	11/25/2024	10:52	PL093230.D	9.05	3.54
PEM	PEM	11/25/2024	11:05	PL093231.D	9.05	3.54
RESCHK	RESCHK	11/25/2024	11:18	PL093232.D	9.05	3.54
PSTDICC100	PSTDICC100	11/25/2024	11:32	PL093233.D	9.05	3.54
PSTDICC075	PSTDICC075	11/25/2024	11:45	PL093234.D	9.05	3.54
PSTDICC050	PSTDICC050	11/25/2024	11:58	PL093235.D	9.05	3.54
PSTDICC025	PSTDICC025	11/25/2024	12:11	PL093236.D	9.05	3.54
PSTDICC005	PSTDICC005	11/25/2024	12:25	PL093237.D	9.05	3.54
PCHLORICC500	PCHLORICC500	11/25/2024	13:04	PL093240.D	9.05	3.54
PTOXICC500	PTOXICC500	11/25/2024	14:11	PL093245.D	9.05	3.54
PEM	PEM	12/18/2024	10:48	PL093408.D	9.05	3.54
IBLK	IBLK	12/18/2024	14:10	PL093414.D	9.07	3.55
PSTDCCC050	PSTDCCC050	12/18/2024	14:24	PL093415.D	9.06	3.54
PB165704BL	PB165704BL	12/18/2024	15:49	PL093416.D	9.06	3.55
PB165704BS	PB165704BS	12/18/2024	16:03	PL093417.D	9.06	3.54
TT-304-IDWSO-20241217-1	P5316-01	12/18/2024	16:45	PL093420.D	9.06	3.54
OU4-VSL-07-121224MS	P5306-01MS	12/18/2024	17:11	PL093422.D	9.06	3.54
OU4-VSL-07-121224MSD	P5306-01MSD	12/18/2024	17:24	PL093423.D	9.06	3.54
IBLK	IBLK	12/18/2024	18:04	PL093426.D	9.06	3.54
PSTDCCC050	PSTDCCC050	12/18/2024	18:18	PL093427.D	9.06	3.54

Analytical Sequence

Client: Tetra Tech NUS, Inc.

SDG No.: P5316

Project: CTO WE13

Instrument ID: ECD_L

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 11/25/2024

11/25/2024

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	11/25/2024	10:52	PL093230.D	7.91	2.77
PEM	PEM	11/25/2024	11:05	PL093231.D	7.91	2.77
RESCHK	RESCHK	11/25/2024	11:18	PL093232.D	7.91	2.77
PSTDICC100	PSTDICC100	11/25/2024	11:32	PL093233.D	7.91	2.77
PSTDICC075	PSTDICC075	11/25/2024	11:45	PL093234.D	7.91	2.77
PSTDICC050	PSTDICC050	11/25/2024	11:58	PL093235.D	7.91	2.77
PSTDICC025	PSTDICC025	11/25/2024	12:11	PL093236.D	7.91	2.77
PSTDICC005	PSTDICC005	11/25/2024	12:25	PL093237.D	7.91	2.77
PCHLORICC500	PCHLORICC500	11/25/2024	13:04	PL093240.D	7.91	2.77
PTOXICC500	PTOXICC500	11/25/2024	14:11	PL093245.D	7.91	2.77
PEM	PEM	12/18/2024	10:48	PL093408.D	7.91	2.78
IBLK	IBLK	12/18/2024	14:10	PL093414.D	7.92	2.78
PSTDCCC050	PSTDCCC050	12/18/2024	14:24	PL093415.D	7.91	2.78
PB165704BL	PB165704BL	12/18/2024	15:49	PL093416.D	7.92	2.78
PB165704BS	PB165704BS	12/18/2024	16:03	PL093417.D	7.91	2.78
TT-304-IDWSO-20241217-1	P5316-01	12/18/2024	16:45	PL093420.D	7.91	2.78
OU4-VSL-07-121224MS	P5306-01MS	12/18/2024	17:11	PL093422.D	7.91	2.78
OU4-VSL-07-121224MSD	P5306-01MSD	12/18/2024	17:24	PL093423.D	7.91	2.78
IBLK	IBLK	12/18/2024	18:04	PL093426.D	7.91	2.78
PSTDCCC050	PSTDCCC050	12/18/2024	18:18	PL093427.D	7.91	2.78

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-VSL-07-121224MS

Contract: TETR06

Lab Code: CHEM

Case No.: P5316

SAS No.: P5316

SDG NO.: P5316

Lab Sample ID: P5306-01MS

Date(s) Analyzed: 12/18/2024

12/18/2024

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	6.71	6.66	6.76	19.2	1.6
	2	5.79	5.74	5.84	18.9	
4,4'-DDE	1	6.19	6.14	6.24	18.2	4.3
	2	5.23	5.18	5.28	19.0	
4,4'-DDT	1	7.02	6.97	7.07	19.5	3
	2	6.04	5.99	6.09	20.1	
alpha-BHC	1	4.00	3.95	4.05	17.4	5
	2	3.28	3.23	3.33	18.3	
Aldrin	1	5.26	5.21	5.31	17.3	4.5
	2	4.23	4.18	4.28	18.1	
alpha-Chlordane	1	6.02	5.97	6.07	18.1	5.9
	2	5.04	4.99	5.09	19.2	
Endosulfan II	1	6.79	6.74	6.84	19.0	1
	2	5.93	5.88	5.98	19.2	
Endosulfan sulfate	1	7.16	7.11	7.21	18.5	3.2
	2	6.34	6.29	6.39	19.1	
beta-BHC	1	4.53	4.48	4.58	17.8	3.9
	2	3.91	3.86	3.96	18.5	
delta-BHC	1	4.77	4.72	4.82	16.6	4.1
	2	4.14	4.09	4.19	17.3	
Endosulfan I	1	6.07	6.02	6.12	18.0	5.4
	2	5.10	5.05	5.15	19.0	
Dieldrin	1	6.34	6.29	6.39	18.0	4.9
	2	5.36	5.31	5.41	18.9	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	17.4	3.4
	2	3.61	3.56	3.66	18.0	
Heptachlor	1	4.92	4.87	4.97	18.0	5.9
	2	3.95	3.90	4.00	19.1	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-VSL-07-121224MS

Contract: TETR06

Lab Code: CHEM Case No.: P5316 SAS No.: P5316 SDG NO.: P5316

Lab Sample ID: P5306-01MS Date(s) Analyzed: 12/18/2024 12/18/2024

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		
Endrin	1	6.57	6.52	6.62	19.1	3.6
	2	5.64	5.59	5.69	19.8	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-VSL-07-121224MSD

Contract: TETR06

Lab Code: CHEM

Case No.: P5316

SAS No.: P5316

SDG NO.: P5316

Lab Sample ID: P5306-01MSD

Date(s) Analyzed: 12/18/2024

12/18/2024

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	6.71	6.66	6.76	19.4	2.6
	2	5.79	5.74	5.84	18.9	
4,4'-DDT	1	7.02	6.97	7.07	19.4	4
	2	6.04	5.99	6.09	20.2	
alpha-BHC	1	4.00	3.95	4.05	17.7	4.4
	2	3.28	3.23	3.33	18.5	
Aldrin	1	5.26	5.21	5.31	17.4	4.5
	2	4.23	4.18	4.28	18.2	
beta-BHC	1	4.53	4.48	4.58	18.0	3.3
	2	3.91	3.86	3.96	18.6	
alpha-Chlordane	1	6.02	5.97	6.07	18.2	5.3
	2	5.04	4.99	5.09	19.2	
4,4'-DDE	1	6.19	6.14	6.24	18.4	4.3
	2	5.23	5.18	5.28	19.2	
Endosulfan II	1	6.79	6.74	6.84	19.0	1.6
	2	5.93	5.88	5.98	19.3	
Endosulfan sulfate	1	7.16	7.11	7.21	18.6	3.2
	2	6.34	6.29	6.39	19.2	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	17.6	3.4
	2	3.61	3.56	3.66	18.2	
Heptachlor	1	4.92	4.87	4.97	18.0	6.5
	2	3.95	3.90	4.00	19.2	
delta-BHC	1	4.77	4.72	4.82	16.7	4.1
	2	4.14	4.09	4.19	17.4	
Endosulfan I	1	6.07	6.02	6.12	18.1	5.4
	2	5.10	5.05	5.15	19.1	
Dieldrin	1	6.35	6.30	6.40	18.0	5.9
	2	5.36	5.31	5.41	19.1	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OU4-VSL-07-121224MSD

Contract: TETR06

Lab Code: CHEM Case No.: P5316 SAS No.: P5316 SDG NO.: P5316

Lab Sample ID: P5306-01MSD Date(s) Analyzed: 12/18/2024 12/18/2024

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		
Endrin	1	6.57	6.52	6.62	19.2	4.6
	2	5.64	5.59	5.69	20.1	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB165704BS

Contract: TETR06

Lab Code: CHEM

Case No.: P5316

SAS No.: P5316

SDG NO.: P5316

Lab Sample ID: PB165704BS

Date(s) Analyzed: 12/18/2024

12/18/2024

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 sulfate	1	7.16	7.11	7.21	16.8	6.3
	2	6.34	6.29	6.39	17.9	
alpha-BHC	1	4.00	3.95	4.05	16.0	4.9
	2	3.28	3.23	3.33	16.8	
Aldrin	1	5.26	5.21	5.31	15.7	5.6
	2	4.23	4.18	4.28	16.6	
beta-BHC	1	4.53	4.48	4.58	15.9	5.5
	2	3.91	3.86	3.96	16.8	
delta-BHC	1	4.77	4.72	4.82	14.9	5.2
	2	4.14	4.09	4.19	15.7	
Endosulfan I	1	6.07	6.02	6.12	16.6	7
	2	5.10	5.05	5.15	17.8	
alpha-Chlordane	1	6.02	5.97	6.07	16.7	6.4
	2	5.04	4.99	5.09	17.8	
4,4'-DDE	1	6.19	6.14	6.24	16.7	5.2
	2	5.23	5.18	5.28	17.6	
Dieldrin	1	6.35	6.30	6.40	16.6	7.5
	2	5.36	5.31	5.41	17.9	
Endrin	1	6.58	6.53	6.63	17.6	6.6
	2	5.64	5.59	5.69	18.8	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	15.8	4.9
	2	3.61	3.56	3.66	16.6	
Heptachlor	1	4.92	4.87	4.97	16.5	6.5
	2	3.95	3.90	4.00	17.6	
Endosulfan II	1	6.80	6.75	6.85	17.1	6.8
	2	5.93	5.88	5.98	18.3	
4,4'-DDD	1	6.71	6.66	6.76	17.3	3.4
	2	5.79	5.74	5.84	17.9	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB165704BS

Contract: TETR06

Lab Code: CHEM Case No.: P5316 SAS No.: P5316 SDG NO.: P5316

Lab Sample ID: PB165704BS Date(s) Analyzed: 12/18/2024 12/18/2024

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'-DDT	1	7.02	6.97	7.07	17.8	4.9
	2	6.04	5.99	6.09	18.7	