

LAB CHRONICLE

OrderID:	P5277	OrderDate:	12/13/2024 11:44:00 AM
Client:	Kleinfelder	Project:	Tanner G. Duckrey Public School
Contact:	Mark Warchol	Location:	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5277-01	COMP-1A	SOIL	PESTICIDE Group1	8081B	12/12/24	12/16/24	12/16/24	12/13/24
P5277-02	COMP-2A	SOIL	PESTICIDE Group1	8081B	12/12/24	12/16/24	12/16/24	12/13/24
P5277-03	COMP-3A	SOIL	PESTICIDE Group1	8081B	12/12/24	12/16/24	12/16/24	12/13/24

Hit Summary Sheet
SW-846

SDG No.: P5277

Order ID: P5277

Client: Kleinfelder

Project ID: Tanner G. Duckrey Public School

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : COMP-3A								
P5277-03	COMP-3A	SOIL	4,4-DDE	0.31	J	0.14	1.90	ug/kg
P5277-03	COMP-3A	SOIL	4,4-DDD	0.31	J	0.21	1.90	ug/kg
P5277-03	COMP-3A	SOIL	4,4-DDT	0.29	J	0.19	1.90	ug/kg
Total Concentration:				0.910				



SAMPLE DATA

Report of Analysis

Client:	Kleinfelder	Date Collected:	12/12/24
Project:	Tanner G. Duckrey Public School	Date Received:	12/13/24
Client Sample ID:	COMP-1A	SDG No.:	P5277
Lab Sample ID:	P5277-01	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	88.5
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093385.D	1	12/16/24 08:51	12/16/24 14:13	PB165647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	0.16	U	0.16	1.90	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	1.90	ug/kg
72-55-9	4,4-DDE	0.15	U	0.15	1.90	ug/kg
72-54-8	4,4-DDD	0.21	U	0.21	1.90	ug/kg
50-29-3	4,4-DDT	0.19	U	0.19	1.90	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.2		10 - 148	106%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		10 - 159	103%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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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:	Kleinfelder	Date Collected:	12/12/24
Project:	Tanner G. Duckrey Public School	Date Received:	12/13/24
Client Sample ID:	COMP-2A	SDG No.:	P5277
Lab Sample ID:	P5277-02	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	78.9
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093386.D	1	12/16/24 08:51	12/16/24 14:26	PB165647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	0.18	U	0.18	2.20	ug/kg
60-57-1	Dieldrin	0.19	U	0.19	2.20	ug/kg
72-55-9	4,4-DDE	0.16	U	0.16	2.20	ug/kg
72-54-8	4,4-DDD	0.24	U	0.24	2.20	ug/kg
50-29-3	4,4-DDT	0.22	U	0.22	2.20	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.4		10 - 148	102%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.8		10 - 159	109%	SPK: 20

Comments:

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Report of Analysis

Client:	Kleinfelder	Date Collected:	12/12/24
Project:	Tanner G. Duckrey Public School	Date Received:	12/13/24
Client Sample ID:	COMP-3A	SDG No.:	P5277
Lab Sample ID:	P5277-03	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	89.9
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093389.D	1	12/16/24 08:51	12/16/24 15:07	PB165647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	0.16	U	0.16	1.90	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	1.90	ug/kg
72-55-9	4,4-DDE	0.31	J	0.14	1.90	ug/kg
72-54-8	4,4-DDD	0.31	J	0.21	1.90	ug/kg
50-29-3	4,4-DDT	0.29	J	0.19	1.90	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.7		10 - 148	119%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.2		10 - 159	111%	SPK: 20

Comments:

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QC SUMMARY

Surrogate Summary

SDG No.: P5277

Client: Kleinfelder

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		43	140
		Tetrachloro-m-xylene	1	20	21.2	106		77	126
		Decachlorobiphenyl	2	20	21.5	107		43	140
		Tetrachloro-m-xylene	2	20	20.4	102		77	126
I.BLK-PL093379.D	PIBLK-PL093379.D	Decachlorobiphenyl	1	20	25.2	126		43	140
		Tetrachloro-m-xylene	1	20	22.8	114		77	126
		Decachlorobiphenyl	2	20	21.3	107		43	140
		Tetrachloro-m-xylene	2	20	21.8	109		77	126
PB165647BL	PB165647BL	Decachlorobiphenyl	1	20	23.4	117		10	148
		Tetrachloro-m-xylene	1	20	19.8	99		10	159
		Decachlorobiphenyl	2	20	21.4	107		10	148
		Tetrachloro-m-xylene	2	20	19.0	95		10	159
PB165647BS	PB165647BS	Decachlorobiphenyl	1	20	23.4	117		10	148
		Tetrachloro-m-xylene	1	20	19.3	97		10	159
		Decachlorobiphenyl	2	20	20.9	104		10	148
		Tetrachloro-m-xylene	2	20	18.6	93		10	159
P5277-01	COMP-1A	Decachlorobiphenyl	1	20	20.5	103		10	148
		Tetrachloro-m-xylene	1	20	20.6	103		10	159
		Decachlorobiphenyl	2	20	21.2	106		10	148
		Tetrachloro-m-xylene	2	20	20.6	103		10	159
P5277-02	COMP-2A	Decachlorobiphenyl	1	20	20.4	102		10	148
		Tetrachloro-m-xylene	1	20	21.6	108		10	159
		Decachlorobiphenyl	2	20	18.3	91		10	148
		Tetrachloro-m-xylene	2	20	21.8	109		10	159
P5277-02MS	COMP-2AMS	Decachlorobiphenyl	1	20	17.1	86		10	148
		Tetrachloro-m-xylene	1	20	17.7	89		10	159
		Decachlorobiphenyl	2	20	18.6	93		10	148
		Tetrachloro-m-xylene	2	20	17.5	87		10	159
P5277-02MSD	COMP-2AMSD	Decachlorobiphenyl	1	20	18.3	91		10	148
		Tetrachloro-m-xylene	1	20	18.3	92		10	159
		Decachlorobiphenyl	2	20	19.1	95		10	148
		Tetrachloro-m-xylene	2	20	17.8	89		10	159
P5277-03	COMP-3A	Decachlorobiphenyl	1	20	23.7	119		10	148
		Tetrachloro-m-xylene	1	20	21.8	109		10	159
		Decachlorobiphenyl	2	20	22.0	110		10	148
		Tetrachloro-m-xylene	2	20	22.2	111		10	159
I.BLK-PL093392.D	PIBLK-PL093392.D	Decachlorobiphenyl	1	20	23.9	119		43	140
		Tetrachloro-m-xylene	1	20	21.3	107		77	126
		Decachlorobiphenyl	2	20	22.1	110		43	140
		Tetrachloro-m-xylene	2	20	21.3	106		77	126

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5277

Client: Kleinfelder

Analytical Method: 8081B

DataFile : PL093387.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec Qual	RPD Qual	Low	Limits High	RPD
Client Sample ID: P5277-02MS	COMP-2AMS									
	Aldrin	21.07	0	21.0	ug/kg	100		49	139	
	Dieldrin	21.07	0	22.1	ug/kg	105		47	161	
	4,4'-DDE	21.07	0	22.0	ug/kg	104		55	136	
	4,4'-DDD	21.07	0	21.9	ug/kg	104		37	192	
	4,4'-DDT	21.07	0	22.3	ug/kg	106		51	146	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5277

Client: Kleinfelder

Analytical Method: 8081B

DataFile : PL093388.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	COMP-2AMSD											
P5277-02MSD	Aldrin	21.11	0	22.0	ug/kg	104		4		49	139	20
	Dieldrin	21.11	0	23.1	ug/kg	109		4		47	161	20
	4,4'-DDE	21.11	0	22.9	ug/kg	108		4		55	136	20
	4,4'-DDD	21.11	0	22.7	ug/kg	108		4		37	192	20
	4,4'-DDT	21.11	0	22.8	ug/kg	108		2		51	146	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5277

Client: Kleinfelder

Analytical Method: **8081B** Datafile : PL093383.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB165647BS	Aldrin	16.66	16.8	ug/kg	101				82	124	
	Dieldrin	16.66	17.7	ug/kg	106				85	121	
	4,4'-DDE	16.66	17.3	ug/kg	104				81	123	
	4,4'-DDD	16.66	17.3	ug/kg	104				80	131	
	4,4'-DDT	16.66	17.6	ug/kg	106				70	129	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165647BL

Lab Name: CHEMTECH

Contract: POWE02

Lab Code: CHEM Case No.: P5277

SAS No.: P5277 SDG NO.: P5277

Lab Sample ID: PB165647BL

Lab File ID: PL093382.D

Matrix: (soil/water) Solid

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 12/16/2024

Date Analyzed (1): 12/16/2024

Date Analyzed (2): 12/16/2024

Time Analyzed (1): 13:32

Time Analyzed (2): 13:32

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
PB165647BS	PB165647BS	PL093383.D	12/16/2024	12/16/2024
COMP-1A	P5277-01	PL093385.D	12/16/2024	12/16/2024
COMP-2A	P5277-02	PL093386.D	12/16/2024	12/16/2024
COMP-2AMS	P5277-02MS	PL093387.D	12/16/2024	12/16/2024
COMP-2AMSD	P5277-02MSD	PL093388.D	12/16/2024	12/16/2024
COMP-3A	P5277-03	PL093389.D	12/16/2024	12/16/2024

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Tanner G. Duckrey Public School	Date Received:	
Client Sample ID:	PB165647BL	SDG No.:	P5277
Lab Sample ID:	PB165647BL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093382.D	1	12/16/24 08:51	12/16/24 13:32	PB165647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	0.14	U	0.14	1.70	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.70	ug/kg
72-55-9	4,4-DDE	0.13	U	0.13	1.70	ug/kg
72-54-8	4,4-DDD	0.19	U	0.19	1.70	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	1.70	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.4		10 - 148	117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.8		10 - 159	99%	SPK: 20

Comments:

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Report of Analysis

Client:	Kleinfelder	Date Collected:	11/25/24
Project:	Tanner G. Duckrey Public School	Date Received:	11/25/24
Client Sample ID:	PIBLK-PL093230.D	SDG No.:	P5277
Lab Sample ID:	I.BLK-PL093230.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

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	LOQ / CRQL	Units
TARGETS						
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.6		43 - 140	108%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.2		77 - 126	106%	SPK: 20

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Report of Analysis

Client:	Kleinfelder	Date Collected:	12/16/24
Project:	Tanner G. Duckrey Public School	Date Received:	12/16/24
Client Sample ID:	PIBLK-PL093379.D	SDG No.:	P5277
Lab Sample ID:	I.BLK-PL093379.D	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 Group1
GPC Factor :	1.0	Injection Volume :	
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093379.D	1		12/16/24	pl121624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	25.2		43 - 140	126%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.8		77 - 126	114%	SPK: 20

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Report of Analysis

Client:	Kleinfelder	Date Collected:	12/16/24
Project:	Tanner G. Duckrey Public School	Date Received:	12/16/24
Client Sample ID:	PIBLK-PL093392.D	SDG No.:	P5277
Lab Sample ID:	I.BLK-PL093392.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093392.D	1		12/16/24	p1121624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.9		43 - 140	119%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.3		77 - 126	107%	SPK: 20

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Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Tanner G. Duckrey Public School	Date Received:	
Client Sample ID:	PB165647BS	SDG No.:	P5277
Lab Sample ID:	PB165647BS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	Injection Volume :	
PH :			
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093383.D	1	12/16/24 08:51	12/16/24 13:45	PB165647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	16.8		0.14	1.70	ug/kg
60-57-1	Dieldrin	17.7		0.15	1.70	ug/kg
72-55-9	4,4-DDE	17.3		0.13	1.70	ug/kg
72-54-8	4,4-DDD	17.3		0.19	1.70	ug/kg
50-29-3	4,4-DDT	17.6		0.17	1.70	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.4		10 - 148	117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.3		10 - 159	97%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Kleinfelder	Date Collected:	12/12/24
Project:	Tanner G. Duckrey Public School	Date Received:	12/13/24
Client Sample ID:	COMP-2AMS	SDG No.:	P5277
Lab Sample ID:	P5277-02MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	78.9
Sample Wt/Vol:	30.07 Units: g	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	Injection Volume :	
PH :			
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093387.D	1	12/16/24 08:51	12/16/24 14:40	PB165647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	21.0		0.18	2.10	ug/kg
60-57-1	Dieldrin	22.1		0.19	2.10	ug/kg
72-55-9	4,4-DDE	22.0		0.16	2.10	ug/kg
72-54-8	4,4-DDD	21.9		0.24	2.10	ug/kg
50-29-3	4,4-DDT	22.3		0.22	2.10	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.6		10 - 148	93%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.7		10 - 159	89%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Kleinfelder	Date Collected:	12/12/24
Project:	Tanner G. Duckrey Public School	Date Received:	12/13/24
Client Sample ID:	COMP-2AMSD	SDG No.:	P5277
Lab Sample ID:	P5277-02MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	78.9
Sample Wt/Vol:	30.02 Units: g	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	PESTICIDE Group1
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093388.D	1	12/16/24 08:51	12/16/24 14:53	PB165647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	22.0		0.18	2.20	ug/kg
60-57-1	Dieldrin	23.1		0.19	2.20	ug/kg
72-55-9	4,4-DDE	22.9		0.16	2.20	ug/kg
72-54-8	4,4-DDD	22.7		0.24	2.20	ug/kg
50-29-3	4,4-DDT	22.8		0.22	2.20	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.1		10 - 148	95%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.3		10 - 159	92%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit



CALIBRATION SUMMARY

A
B
C
D
E
F
G
H

Calibration Times: 11:32 12:25

LAB FILE ID:	RT 100 =	<u>PL093233.D</u>	RT 075 =	<u>PL093234.D</u>
	RT 050 =	PL093235.D	RT 025 =	PL093236.D
			RT 005 =	PL093237.D

[illegible]

A
B
C
D
E
F
G
H

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

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: POWE02

Lab Code: CHEM Case No.: P5277 SAS No.: P5277 SDG NO.: P5277

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
Decachlorobiphenyl	1636890000	1805930000	1768720000	1908190000	1572960000	1738540000	8
Dieldrin	2424230000	2526570000	2583130000	2696740000	2585100000	2563150000	4
Tetrachloro-m-xylene	2478960000	2567570000	2623850000	2737290000	2587160000	2598970000	4

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: POWE02

Lab Code: CHEM **Case No.:** P5277 **SAS No.:** P5277 **SDG NO.:** P5277

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
Decachlorobiphenyl	2704170000	2907150000	2926840000	3026130000	2717990000	2856460000	5
Dieldrin	3827290000	3925470000	3861790000	3769600000	3043370000	3685500000	10
Tetrachloro-m-xylene	2925820000	2968760000	2977700000	3001480000	2546340000	2884020000	7

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: P5277 SAS No.: P5277 SDG NO.: P5277

Continuing Calib Date: 12/16/2024 Initial Calibration Date(s): 11/25/2024 11/25/2024

Continuing Calib Time: 10:35 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	3.55	3.54	3.44	3.64	-0.01
Aldrin	5.27	5.26	5.16	5.36	-0.01
Dieldrin	6.35	6.34	6.24	6.44	-0.01
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
4,4'-DDD	6.72	6.71	6.61	6.81	-0.01
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: P5277 SAS No.: P5277 SDG NO.: P5277

Continuing Calib Date: 12/16/2024 Initial Calibration Date(s): 11/25/2024 11/25/2024

Continuing Calib Time: 10:35 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
Aldrin	4.23	4.23	4.13	4.33	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
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: P5277 SAS No.: P5277 SDG NO.: P5277

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

Client Sample No.: CCAL01 Date Analyzed: 12/16/2024

Lab Sample No.: PSTDCCC050 Data File : PL093381.D Time Analyzed: 10:35

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.717	6.608	6.808	51.220	50.000	2.4
4,4'-DDE	6.199	6.090	6.290	50.020	50.000	0.0
4,4'-DDT	7.031	6.922	7.122	49.370	50.000	-1.3
Aldrin	5.266	5.155	5.355	50.780	50.000	1.6
Decachlorobiphenyl	9.061	8.954	9.154	55.720	50.000	11.4
Dieldrin	6.352	6.242	6.442	50.460	50.000	0.9
Tetrachloro-m-xylene	3.547	3.436	3.636	50.930	50.000	1.9

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: P5277 SAS No.: P5277 SDG NO.: P5277

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

Client Sample No.: CCAL01 Date Analyzed: 12/16/2024

Lab Sample No.: PSTDCCC050 Data File : PL093381.D Time Analyzed: 10:35

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.788	5.685	5.885	53.710	50.000	7.4
4,4'-DDE	5.233	5.130	5.330	53.120	50.000	6.2
4,4'-DDT	6.038	5.935	6.135	52.470	50.000	4.9
Aldrin	4.228	4.125	4.325	54.270	50.000	8.5
Decachlorobiphenyl	7.914	7.812	8.012	52.810	50.000	5.6
Dieldrin	5.364	5.262	5.462	55.020	50.000	10.0
Tetrachloro-m-xylene	2.776	2.674	2.874	52.640	50.000	5.3

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: P5277 SAS No.: P5277 SDG NO.: P5277

Continuing Calib Date: 12/16/2024 Initial Calibration Date(s): 11/25/2024 11/25/2024

Continuing Calib Time: 16:44 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	3.55	3.54	3.44	3.64	-0.01
Aldrin	5.26	5.26	5.16	5.36	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
4,4'-DDD	6.72	6.71	6.61	6.81	-0.01
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: P5277 SAS No.: P5277 SDG NO.: P5277

Continuing Calib Date: 12/16/2024 Initial Calibration Date(s): 11/25/2024 11/25/2024

Continuing Calib Time: 16:44 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
Aldrin	4.23	4.23	4.13	4.33	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
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: P5277 SAS No.: P5277 SDG NO.: P5277

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

Client Sample No.: CCAL02 Date Analyzed: 12/16/2024

Lab Sample No.: PSTDCCC050 Data File : PL093393.D Time Analyzed: 16:44

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.715	6.608	6.808	54.550	50.000	9.1
4,4'-DDE	6.197	6.090	6.290	50.770	50.000	1.5
4,4'-DDT	7.028	6.922	7.122	42.130	50.000	-15.7
Aldrin	5.263	5.155	5.355	51.480	50.000	3.0
Decachlorobiphenyl	9.059	8.954	9.154	55.780	50.000	11.6
Dieldrin	6.349	6.242	6.442	51.060	50.000	2.1
Tetrachloro-m-xylene	3.545	3.436	3.636	51.960	50.000	3.9

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: P5277 SAS No.: P5277 SDG NO.: P5277

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

Client Sample No.: CCAL02 Date Analyzed: 12/16/2024

Lab Sample No.: PSTDCCC050 Data File : PL093393.D Time Analyzed: 16:44

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.787	5.685	5.885	59.220	50.000	18.4
4,4'-DDE	5.232	5.130	5.330	54.650	50.000	9.3
4,4'-DDT	6.037	5.935	6.135	43.300	50.000	-13.4
Aldrin	4.227	4.125	4.325	55.890	50.000	11.8
Decachlorobiphenyl	7.913	7.812	8.012	55.030	50.000	10.1
Dieldrin	5.364	5.262	5.462	55.860	50.000	11.7
Tetrachloro-m-xylene	2.776	2.674	2.874	54.540	50.000	9.1

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM **Case No.:** P5277 **SAS No.:** P5277 **SDG NO.:** P5277

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: POWE02

Lab Code: CHEM Case No.: P5277 SAS No.: P5277 SDG NO.: P5277

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

Client Sample No. (PEM): PEM - PL093380.D Date Analyzed: 12/16/2024

Lab Sample No.(PEM): PEM Time Analyzed: 09:46

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.052	8.950	9.150	23.190	20.000	16.0
Tetrachloro-m-xylene	3.539	3.490	3.590	21.540	20.000	7.7
alpha-BHC	3.995	3.940	4.050	11.090	10.000	10.9
beta-BHC	4.525	4.470	4.580	11.600	10.000	16.0
gamma-BHC (Lindane)	4.327	4.280	4.380	11.010	10.000	10.1
Endrin	6.572	6.500	6.640	44.650	50.000	-10.7
4,4'-DDT	7.023	6.950	7.090	91.610	100.000	-8.4
Methoxychlor	7.499	7.430	7.570	205.760	250.000	-17.7

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

Client Sample No. (PEM): PEM - PL093380.D Date Analyzed: 12/16/2024

Lab Sample No.(PEM): PEM Time Analyzed: 09:46

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.910	7.810	8.010	20.640	20.000	3.2
Tetrachloro-m-xylene	2.776	2.730	2.830	20.900	20.000	4.5
alpha-BHC	3.278	3.230	3.330	10.120	10.000	1.2
beta-BHC	3.907	3.860	3.960	10.850	10.000	8.5
gamma-BHC (Lindane)	3.608	3.560	3.660	9.730	10.000	-2.7
Endrin	5.637	5.570	5.710	47.050	50.000	-5.9
4,4'-DDT	6.035	5.960	6.110	106.400	100.000	6.4
Methoxychlor	6.608	6.540	6.680	223.430	250.000	-10.6

Analytical Sequence

Client: Kleinfelder	SDG No.: P5277
Project: Tanner G. Duckrey Public School	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
IBLK	IBLK	12/16/2024	09:32	PL093379.D	9.05	3.54
PEM	PEM	12/16/2024	09:46	PL093380.D	9.05	3.54
PSTDCCC050	PSTDCCC050	12/16/2024	10:35	PL093381.D	9.06	3.55
PB165647BL	PB165647BL	12/16/2024	13:32	PL093382.D	9.06	3.55
PB165647BS	PB165647BS	12/16/2024	13:45	PL093383.D	9.05	3.54
COMP-1A	P5277-01	12/16/2024	14:13	PL093385.D	9.05	3.54
COMP-2A	P5277-02	12/16/2024	14:26	PL093386.D	9.05	3.54
COMP-2AMS	P5277-02MS	12/16/2024	14:40	PL093387.D	9.05	3.54
COMP-2AMSD	P5277-02MSD	12/16/2024	14:53	PL093388.D	9.05	3.54
COMP-3A	P5277-03	12/16/2024	15:07	PL093389.D	9.05	3.54
IBLK	IBLK	12/16/2024	15:47	PL093392.D	9.05	3.54
PSTDCCC050	PSTDCCC050	12/16/2024	16:44	PL093393.D	9.06	3.55

Analytical Sequence

Client: Kleinfelder	SDG No.: P5277
Project: Tanner G. Duckrey Public School	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
IBLK	IBLK	12/16/2024	09:32	PL093379.D	7.91	2.78
PEM	PEM	12/16/2024	09:46	PL093380.D	7.91	2.78
PSTDCCC050	PSTDCCC050	12/16/2024	10:35	PL093381.D	7.91	2.78
PB165647BL	PB165647BL	12/16/2024	13:32	PL093382.D	7.91	2.78
PB165647BS	PB165647BS	12/16/2024	13:45	PL093383.D	7.91	2.78
COMP-1A	P5277-01	12/16/2024	14:13	PL093385.D	7.91	2.78
COMP-2A	P5277-02	12/16/2024	14:26	PL093386.D	7.91	2.78
COMP-2AMS	P5277-02MS	12/16/2024	14:40	PL093387.D	7.91	2.78
COMP-2AMSD	P5277-02MSD	12/16/2024	14:53	PL093388.D	7.91	2.78
COMP-3A	P5277-03	12/16/2024	15:07	PL093389.D	7.91	2.78
IBLK	IBLK	12/16/2024	15:47	PL093392.D	7.91	2.78
PSTDCCC050	PSTDCCC050	12/16/2024	16:44	PL093393.D	7.91	2.78

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP-2AMS

Contract: POWE02

Lab Code: CHEM

Case No.: P5277

SAS No.: P5277

SDG NO.: P5277

Lab Sample ID: P5277-02MS

Date(s) Analyzed: 12/16/2024

12/16/2024

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	21.0	4.2
	2	5.79	5.74	5.84	21.9	
4,4'-DDE	1	6.19	6.14	6.24	20.7	6.1
	2	5.23	5.18	5.28	22.0	
4,4'-DDT	1	7.02	6.97	7.07	20.6	7.9
	2	6.04	5.99	6.09	22.3	
Aldrin	1	5.26	5.21	5.31	19.7	6.4
	2	4.23	4.18	4.28	21.0	
Dieldrin	1	6.34	6.29	6.39	20.5	7.5
	2	5.36	5.31	5.41	22.1	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP-2AMSD

Contract: POWE02

Lab Code: CHEM Case No.: P5277

SAS No.: P5277 SDG NO.: P5277

Lab Sample ID: P5277-02MSD

Date(s) Analyzed: 12/16/2024 12/16/2024

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	21.8	4
	2	5.79	5.74	5.84	22.7	
4,4'-DDT	1	7.02	6.97	7.07	21.7	4.9
	2	6.04	5.99	6.09	22.8	
Aldrin	1	5.26	5.21	5.31	20.3	8
	2	4.23	4.18	4.28	22.0	
4,4'-DDE	1	6.19	6.14	6.24	21.3	7.2
	2	5.23	5.18	5.28	22.9	
Dieldrin	1	6.34	6.29	6.39	21.2	8.6
	2	5.36	5.31	5.41	23.1	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP-3A

Contract: POWE02

Lab Code: CHEM

Case No.: P5277

SAS No.: P5277

SDG NO.: P5277

Lab Sample ID: P5277-03

Date(s) Analyzed: 12/16/2024

12/16/2024

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	0.24	21
	2	6.03	5.98	6.08	0.29	
4,4'-DDE	1	6.19	6.14	6.24	0.31	18.4
	2	5.23	5.18	5.28	0.26	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB165647BS

Contract: POWE02

Lab Code: CHEM

Case No.: P5277

SAS No.: P5277

SDG NO.: P5277

Lab Sample ID: PB165647BS

Date(s) Analyzed: 12/16/2024

12/16/2024

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	16.9	2.3
	2	5.79	5.74	5.84	17.3	
4,4'-DDT	1	7.02	6.97	7.07	17.2	2.3
	2	6.04	5.99	6.09	17.6	
Aldrin	1	5.26	5.21	5.31	15.6	7.4
	2	4.23	4.18	4.28	16.8	
4,4'-DDE	1	6.19	6.14	6.24	16.5	4.7
	2	5.23	5.18	5.28	17.3	
Dieldrin	1	6.34	6.29	6.39	16.5	7
	2	5.36	5.31	5.41	17.7	