

LAB CHRONICLE

OrderID:	Q1903	OrderDate:	4/28/2025 11:30:00 AM
Client:	Kleinfelder	Project:	Mitchell School
Contact:	Mark Warchol	Location:	L51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1903-01	COMP-4	SOIL			04/25/25	04/29/25	04/29/25	04/28/25
			PCB Group1	8082A				
			PESTICIDE Group1	8081B				
Q1903-02	COMP-5	SOIL			04/25/25	04/29/25	04/29/25	04/28/25
			PCB Group1	8082A				
			PESTICIDE Group1	8081B				
Q1903-03	COMP-6	SOIL			04/25/25	04/29/25	04/29/25	04/28/25
			PCB Group1	8082A				
			PESTICIDE Group1	8081B				



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: Q1903

Order ID: Q1903

Client: Kleinfelder

Project ID: Mitchell School

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

Total Concentration: 0.000

A
B
C
D
E
F
G
H



SAMPLE DATA

Report of Analysis

Client:	Kleinfelder	Date Collected:	04/25/25
Project:	Mitchell School	Date Received:	04/28/25
Client Sample ID:	COMP-4	SDG No.:	Q1903
Lab Sample ID:	Q1903-01	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	83.3
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Final Vol:	10000
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Decanted:	
		Test:	PESTICIDE Group1
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088330.D	1	04/29/25 08:35	04/29/25 14:37	PB167777

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	2.00	ug/kg
72-55-9	4,4-DDE	0.17	U	0.17	2.00	ug/kg
72-54-8	4,4-DDD	0.18	U	0.18	2.00	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	2.00	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.3		20 - 144	97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.0		19 - 148	100%	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:	04/25/25
Project:	Mitchell School	Date Received:	04/28/25
Client Sample ID:	COMP-5	SDG No.:	Q1903
Lab Sample ID:	Q1903-02	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	78.9
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
PD088335.D	1	04/29/25 08:35	04/29/25 15:45	PB167777

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	0.15	U	0.15	2.20	ug/kg
60-57-1	Dieldrin	0.18	U	0.18	2.20	ug/kg
72-55-9	4,4-DDE	0.18	U	0.18	2.20	ug/kg
72-54-8	4,4-DDD	0.19	U	0.19	2.20	ug/kg
50-29-3	4,4-DDT	0.18	U	0.18	2.20	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.7		20 - 144	84%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.2		19 - 148	96%	SPK: 20

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Report of Analysis

Client:	Kleinfelder	Date Collected:	04/25/25
Project:	Mitchell School	Date Received:	04/28/25
Client Sample ID:	COMP-6	SDG No.:	Q1903
Lab Sample ID:	Q1903-03	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	83.9
Sample Wt/Vol:	30.08	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
PD088336.D	1	04/29/25 08:35	04/29/25 15:58	PB167777

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	2.00	ug/kg
72-55-9	4,4-DDE	0.17	U	0.17	2.00	ug/kg
72-54-8	4,4-DDD	0.18	U	0.18	2.00	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	2.00	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.5		20 - 144	93%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.0		19 - 148	100%	SPK: 20

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QC SUMMARY

Surrogate Summary

SDG No.: Q1903

Client: Kleinfelder

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PD088121.D	PIBLK-PD088121.D	Decachlorobiphenyl	1	20	22.9	115		43	140
		Tetrachloro-m-xylene	1	20	20.1	101		77	126
		Decachlorobiphenyl	2	20	22.7	113		43	140
		Tetrachloro-m-xylene	2	20	20.9	104		77	126
I.BLK-PD088320.D	PIBLK-PD088320.D	Decachlorobiphenyl	1	20	18.7	94		43	140
		Tetrachloro-m-xylene	1	20	18.7	93		77	126
		Decachlorobiphenyl	2	20	17.6	88		43	140
		Tetrachloro-m-xylene	2	20	18.0	90		77	126
PB167777BL	PB167777BL	Decachlorobiphenyl	1	20	18.0	90		20	144
		Tetrachloro-m-xylene	1	20	17.6	88		19	148
		Decachlorobiphenyl	2	20	17.0	85		20	144
		Tetrachloro-m-xylene	2	20	18.1	91		19	148
PB167777BS	PB167777BS	Decachlorobiphenyl	1	20	21.6	108		20	144
		Tetrachloro-m-xylene	1	20	20.8	104		19	148
		Decachlorobiphenyl	2	20	20.5	102		20	144
		Tetrachloro-m-xylene	2	20	21.6	108		19	148
Q1903-01	COMP-4	Decachlorobiphenyl	1	20	19.3	97		20	144
		Tetrachloro-m-xylene	1	20	20.0	100		19	148
		Decachlorobiphenyl	2	20	16.4	82		20	144
		Tetrachloro-m-xylene	2	20	20.0	100		19	148
Q1903-01MS	COMP-4MS	Decachlorobiphenyl	1	20	16.4	82		20	144
		Tetrachloro-m-xylene	1	20	16.7	84		19	148
		Decachlorobiphenyl	2	20	15.2	76		20	144
		Tetrachloro-m-xylene	2	20	17.4	87		19	148
Q1903-01MSD	COMP-4MSD	Decachlorobiphenyl	1	20	16.6	83		20	144
		Tetrachloro-m-xylene	1	20	16.8	84		19	148
		Decachlorobiphenyl	2	20	15.2	76		20	144
		Tetrachloro-m-xylene	2	20	17.5	88		19	148
I.BLK-PD088333.D	PIBLK-PD088333.D	Decachlorobiphenyl	1	20	19.3	97		43	140
		Tetrachloro-m-xylene	1	20	19.2	96		77	126
		Decachlorobiphenyl	2	20	17.9	90		43	140
		Tetrachloro-m-xylene	2	20	19.1	95		77	126
Q1903-02	COMP-5	Decachlorobiphenyl	1	20	16.7	84		20	144
		Tetrachloro-m-xylene	1	20	19.2	96		19	148
		Decachlorobiphenyl	2	20	15.3	76		20	144
		Tetrachloro-m-xylene	2	20	18.9	94		19	148
Q1903-03	COMP-6	Decachlorobiphenyl	1	20	18.5	93		20	144
		Tetrachloro-m-xylene	1	20	20.0	100		19	148
		Decachlorobiphenyl	2	20	17.3	86		20	144
		Tetrachloro-m-xylene	2	20	19.7	99		19	148
I.BLK-PD088343.D	PIBLK-PD088343.D	Decachlorobiphenyl	1	20	18.8	94		43	140

Surrogate Summary

SDG No.: Q1903

Client: Kleinfelder

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PD088343.D	PIBLK-PD088343.D	Tetrachloro-m-xylene	1	20	19.3	96		77	126
		Decachlorobiphenyl	2	20	15.8	79		43	140
		Tetrachloro-m-xylene	2	20	18.9	94		77	126

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1903

Client: Kleinfelder

Analytical Method: 8081B

DataFile : PD088331.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	COMP-4MS											
Q1903-01MS	Aldrin	20	0	18.9	ug/kg	95				49	139	
	Dieldrin	20	0	19.0	ug/kg	95				47	161	
	4,4'-DDE	20	0	18.4	ug/kg	92				55	136	
	4,4'-DDD	20	0	19.2	ug/kg	96				47	163	
	4,4'-DDT	20	0	17.2	ug/kg	86				51	146	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1903

Client: Kleinfelder

Analytical Method: 8081B

DataFile : PD088332.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec Qual	RPD Qual	Low	Limits High	RPD
Client Sample ID:	COMP-4MSD									
Q1903-01MSD	Aldrin	19.98	0	19.0	ug/kg	95	0	49	139	20
	Dieldrin	19.98	0	19.1	ug/kg	96	1	47	161	20
	4,4'-DDE	19.98	0	18.5	ug/kg	93	1	55	136	20
	4,4'-DDD	19.98	0	19.4	ug/kg	97	1	47	163	20
	4,4'-DDT	19.98	0	16.8	ug/kg	84	2	51	146	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1903

Client: Kleinfelder

Analytical Method: **8081B** Datafile : PD088324.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB167777BS	Aldrin	16.66	17.5	ug/kg	105				82	124	
	Dieldrin	16.66	17.9	ug/kg	107				85	121	
	4,4'-DDE	16.66	17.4	ug/kg	104				81	123	
	4,4'-DDD	16.66	17.8	ug/kg	107				80	131	
	4,4'-DDT	16.66	17.1	ug/kg	103				70	129	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167777BL

Lab Name: CHEMTECH

Contract: POWE02

Lab Code: CHEM Case No.: Q1903

SAS No.: Q1903 SDG NO.: Q1903

Lab Sample ID: PB167777BL

Lab File ID: PD088323.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 04/29/2025

Date Analyzed (1): 04/29/2025

Date Analyzed (2): 04/29/2025

Time Analyzed (1): 12:52

Time Analyzed (2): 12:52

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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
PB167777BS	PB167777BS	PD088324.D	04/29/2025	04/29/2025
COMP-4	Q1903-01	PD088330.D	04/29/2025	04/29/2025
COMP-4MS	Q1903-01MS	PD088331.D	04/29/2025	04/29/2025
COMP-4MSD	Q1903-01MSD	PD088332.D	04/29/2025	04/29/2025
COMP-5	Q1903-02	PD088335.D	04/29/2025	04/29/2025
COMP-6	Q1903-03	PD088336.D	04/29/2025	04/29/2025

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	Kleinfelder	Date Collected:	
Project:	Mitchell School	Date Received:	
Client Sample ID:	PB167777BL	SDG No.:	Q1903
Lab Sample ID:	PB167777BL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100
Sample Wt/Vol:	30.02	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
PD088323.D	1	04/29/25 08:35	04/29/25 12:52	PB167777

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	0.12	U	0.12	1.70	ug/kg
60-57-1	Dieldrin	0.14	U	0.14	1.70	ug/kg
72-55-9	4,4-DDE	0.14	U	0.14	1.70	ug/kg
72-54-8	4,4-DDD	0.15	U	0.15	1.70	ug/kg
50-29-3	4,4-DDT	0.14	U	0.14	1.70	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.0		20 - 144	90%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.1		19 - 148	91%	SPK: 20

Comments:

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Report of Analysis

Client:	Kleinfelder	Date Collected:	04/18/25
Project:	Mitchell School	Date Received:	04/18/25
Client Sample ID:	PIBLK-PD088121.D	SDG No.:	Q1903
Lab Sample ID:	I.BLK-PD088121.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
PD088121.D	1		04/18/25	PD041825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.9		43 - 140	115%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.9		77 - 126	104%	SPK: 20

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Report of Analysis

Client:	Kleinfelder	Date Collected:	04/29/25
Project:	Mitchell School	Date Received:	04/29/25
Client Sample ID:	PIBLK-PD088320.D	SDG No.:	Q1903
Lab Sample ID:	I.BLK-PD088320.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
PD088320.D	1		04/29/25	pd042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.7		43 - 140	94%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.7		77 - 126	93%	SPK: 20

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Report of Analysis

Client:	Kleinfelder	Date Collected:	04/29/25
Project:	Mitchell School	Date Received:	04/29/25
Client Sample ID:	PIBLK-PD088333.D	SDG No.:	Q1903
Lab Sample ID:	I.BLK-PD088333.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
PD088333.D	1		04/29/25	pd042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.3		43 - 140	97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.2		77 - 126	96%	SPK: 20

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Report of Analysis

Client:	Kleinfelder	Date Collected:	04/29/25
Project:	Mitchell School	Date Received:	04/29/25
Client Sample ID:	PIBLK-PD088343.D	SDG No.:	Q1903
Lab Sample ID:	I.BLK-PD088343.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
PD088343.D	1		04/29/25	pd042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.8		43 - 140	94%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.3		77 - 126	96%	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:	
Project:	Mitchell School	Date Received:	
Client Sample ID:	PB167777BS	SDG No.:	Q1903
Lab Sample ID:	PB167777BS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100
Sample Wt/Vol:	30.01 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
PD088324.D	1	04/29/25 08:35	04/29/25 13:05	PB167777

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	17.5		0.12	1.70	ug/kg
60-57-1	Dieldrin	17.9		0.14	1.70	ug/kg
72-55-9	4,4-DDE	17.4		0.14	1.70	ug/kg
72-54-8	4,4-DDD	17.8		0.15	1.70	ug/kg
50-29-3	4,4-DDT	17.1		0.14	1.70	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.6		20 - 144	108%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		19 - 148	108%	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:	04/25/25
Project:	Mitchell School	Date Received:	04/28/25
Client Sample ID:	COMP-4MS	SDG No.:	Q1903
Lab Sample ID:	Q1903-01MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	83.3
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
PD088331.D	1	04/29/25 08:35	04/29/25 14:51	PB167777

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	18.9		0.14	2.00	ug/kg
60-57-1	Dieldrin	19.0		0.17	2.00	ug/kg
72-55-9	4,4-DDE	18.4		0.17	2.00	ug/kg
72-54-8	4,4-DDD	19.2		0.18	2.00	ug/kg
50-29-3	4,4-DDT	17.2		0.17	2.00	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.4		20 - 144	82%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.4		19 - 148	87%	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:	04/25/25
Project:	Mitchell School	Date Received:	04/28/25
Client Sample ID:	COMP-4MSD	SDG No.:	Q1903
Lab Sample ID:	Q1903-01MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	83.3
Sample Wt/Vol:	30.04	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
PD088332.D	1	04/29/25 08:35	04/29/25 15:04	PB167777

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
309-00-2	Aldrin	19.0		0.14	2.00	ug/kg
60-57-1	Dieldrin	19.1		0.17	2.00	ug/kg
72-55-9	4,4-DDE	18.5		0.17	2.00	ug/kg
72-54-8	4,4-DDD	19.4		0.18	2.00	ug/kg
50-29-3	4,4-DDT	16.8		0.17	2.00	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.6		20 - 144	83%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.5		19 - 148	88%	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

RETENTION TIMES OF INITIAL CALIBRATION

Contract:	POWE02						
Lab Code:	CHEM	Case No.:	Q1903	SAS No.:	Q1903	SDG NO.:	Q1903
Instrument ID:	ECD_D	Calibration Date(s):		04/18/2025	04/18/2025		
		Calibration Times:		13:56	14:51		

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

LAB FILE ID:	RT 100 =	<u>PD088124.D</u>	RT 075 =	<u>PD088125.D</u>
	RT 050 =	PD088126.D	RT 025 =	PD088127.D
			RT 005 =	PD088128.D

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Contract: POWE02

Lab Code: CHEM Case No.: Q1903 SAS No.: Q1903 SDG NO.: Q1903

Instrument ID: ECD_D Calibration Date(s): 04/18/2025 04/18/2025

Calibration Times: 13:56 14:51

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

LAB FILE ID: RT 100 = PD088124.D RT 075 = PD088125.D

RT 050 = PD088126.D RT 025 = PD088127.D RT 005 = PD088128.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
4,4'-DDD	5.95	5.93	5.93	5.93	5.93	5.94	5.84	6.04
4,4'-DDE	5.40	5.38	5.38	5.38	5.38	5.38	5.28	5.48
4,4'-DDT	6.20	6.19	6.19	6.19	6.19	6.19	6.09	6.29
Aldrin	4.39	4.37	4.37	4.37	4.37	4.38	4.28	4.48
Decachlorobiphenyl	8.09	8.08	8.08	8.08	8.08	8.08	7.98	8.18
Dieldrin	5.53	5.52	5.52	5.52	5.52	5.52	5.42	5.62
Tetrachloro-m-xylene	2.90	2.88	2.88	2.88	2.88	2.89	2.79	2.99

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: POWE02

Lab Code: CHEM Case No.: Q1903 SAS No.: Q1903 SDG NO.: Q1903

Instrument ID: ECD_D Calibration Date(s): 04/18/2025 04/18/2025
Calibration Times: 13:56 14:51

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

LAB FILE ID:		CF 100 =	<u>PD088124.D</u>	CF 075 =	<u>PD088125.D</u>		
CF 050 =		<u>PD088126.D</u>	CF 025 =	<u>PD088127.D</u>	CF 005 =	<u>PD088128.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2657600000	2587000000	2495010000	2376000000	2459180000	2514960000	4
4,4'-DDE	3466910000	3527170000	3240150000	3071100000	3185920000	3298250000	6
4,4'-DDT	2923480000	2868140000	2755010000	2629860000	2711210000	2777540000	4
Aldrin	4191470000	4069870000	3911790000	3719150000	3855640000	3949580000	5
Decachlorobiphenyl	3080820000	3141130000	3178140000	3290360000	3850090000	3308110000	9
Dieldrin	3750160000	3656120000	3530390000	3371440000	3534380000	3568500000	4
Tetrachloro-m-xylene	1982340000	2006790000	1938680000	1923660000	2135510000	1997400000	4

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: POWE02

Lab Code: CHEM **Case No.:** Q1903 **SAS No.:** Q1903 **SDG NO.:** Q1903

Instrument ID: ECD_D **Calibration Date(s):** 04/18/2025 04/18/2025
Calibration Times: 13:56 14:51

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

LAB FILE ID:		CF 100 =	<u>PD088124.D</u>	CF 075 =	<u>PD088125.D</u>		
CF 050 =	<u>PD088126.D</u>	CF 025 =	<u>PD088127.D</u>	CF 005 =	<u>PD088128.D</u>		
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	15154700000	15403900000	15792200000	16361000000	19219200000	16386200000	10
4,4'-DDE	18345500000	18580000000	18872600000	19581800000	23090100000	19694000000	10
4,4'-DDT	16431600000	16496500000	16745700000	17063800000	18344900000	17016500000	5
Aldrin	19439700000	19604700000	20000000000	20715500000	24254000000	20802800000	10
Decachlorobiphenyl	16767000000	17098200000	17470300000	18387600000	22674800000	18479600000	13
Dieldrin	18536800000	18713100000	19146400000	19886400000	23381600000	19932900000	10
Tetrachloro-m-xylene	13615300000	13685800000	14010800000	14551200000	17245000000	14621600000	10

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: POWE02

Lab Code: CHEM Case No.: Q1903 SAS No.: Q1903 SDG NO.: Q1903

Instrument ID: _____ Date(s) Analyzed: _____

GC Column: _____ ID: _____ (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
		1				
		2				
		3				
		4				
		5				

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1903 SAS No.: Q1903 SDG NO.: Q1903

Continuing Calib Date: 04/29/2025 Initial Calibration Date(s): 04/18/2025 04/18/2025

Continuing Calib Time: 12:35 Initial Calibration Time(s): 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	9.08	9.08	8.98	9.18	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
Aldrin	5.28	5.27	5.17	5.37	-0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1903 SAS No.: Q1903 SDG NO.: Q1903

Continuing Calib Date: 04/29/2025 Initial Calibration Date(s): 04/18/2025 04/18/2025

Continuing Calib Time: 12:35 Initial Calibration Time(s): 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.08	8.08	7.98	8.18	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Dieldrin	5.52	5.52	5.42	5.62	0.00
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
4,4'-DDT	6.19	6.19	6.09	6.29	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1903 SAS No.: Q1903 SDG NO.: Q1903

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/18/2025 04/18/2025

Client Sample No.: CCAL01 Date Analyzed: 04/29/2025

Lab Sample No.: PSTDCCC050 Data File : PD088322.D Time Analyzed: 12:35

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.709	6.606	6.806	57.420	50.000	14.8
4,4'-DDE	6.200	6.097	6.297	53.620	50.000	7.2
4,4'-DDT	7.025	6.922	7.122	52.040	50.000	4.1
Aldrin	5.276	5.173	5.373	55.870	50.000	11.7
Decachlorobiphenyl	9.078	8.975	9.175	49.320	50.000	-1.4
Dieldrin	6.351	6.249	6.449	56.120	50.000	12.2
Tetrachloro-m-xylene	3.554	3.452	3.652	52.960	50.000	5.9

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1903 SAS No.: Q1903 SDG NO.: Q1903

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/18/2025 04/18/2025

Client Sample No.: CCAL01 Date Analyzed: 04/29/2025

Lab Sample No.: PSTDCCC050 Data File : PD088322.D Time Analyzed: 12:35

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.932	5.834	6.034	50.260	50.000	0.5
4,4'-DDE	5.377	5.280	5.480	49.820	50.000	-0.4
4,4'-DDT	6.187	6.088	6.288	48.210	50.000	-3.6
Aldrin	4.371	4.273	4.473	51.590	50.000	3.2
Decachlorobiphenyl	8.076	7.977	8.177	45.680	50.000	-8.6
Dieldrin	5.516	5.417	5.617	50.020	50.000	0.0
Tetrachloro-m-xylene	2.881	2.783	2.983	49.290	50.000	-1.4

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1903 SAS No.: Q1903 SDG NO.: Q1903

Continuing Calib Date: 04/29/2025 Initial Calibration Date(s): 04/18/2025 04/18/2025

Continuing Calib Time: 15:31 Initial Calibration Time(s): 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.07	9.08	8.98	9.18	0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1903 SAS No.: Q1903 SDG NO.: Q1903

Continuing Calib Date: 04/29/2025 Initial Calibration Date(s): 04/18/2025 04/18/2025

Continuing Calib Time: 15:31 Initial Calibration Time(s): 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.08	8.08	7.98	8.18	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Dieldrin	5.52	5.52	5.42	5.62	0.00
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
4,4'-DDT	6.19	6.19	6.09	6.29	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1903 SAS No.: Q1903 SDG NO.: Q1903

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/18/2025 04/18/2025

Client Sample No.: CCAL02 Date Analyzed: 04/29/2025

Lab Sample No.: PSTDCCC050 Data File : PD088334.D Time Analyzed: 15:31

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.706	6.606	6.806	57.730	50.000	15.5
4,4'-DDE	6.196	6.097	6.297	54.720	50.000	9.4
4,4'-DDT	7.022	6.922	7.122	52.530	50.000	5.1
Aldrin	5.272	5.173	5.373	57.330	50.000	14.7
Decachlorobiphenyl	9.074	8.975	9.175	50.420	50.000	0.8
Dieldrin	6.348	6.249	6.449	57.220	50.000	14.4
Tetrachloro-m-xylene	3.550	3.452	3.652	54.590	50.000	9.2

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1903 SAS No.: Q1903 SDG NO.: Q1903

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/18/2025 04/18/2025

Client Sample No.: CCAL02 Date Analyzed: 04/29/2025

Lab Sample No.: PSTDCCC050 Data File : PD088334.D Time Analyzed: 15:31

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.933	5.834	6.034	50.950	50.000	1.9
4,4'-DDE	5.377	5.280	5.480	50.580	50.000	1.2
4,4'-DDT	6.187	6.088	6.288	48.480	50.000	-3.0
Aldrin	4.371	4.273	4.473	52.110	50.000	4.2
Decachlorobiphenyl	8.076	7.977	8.177	45.600	50.000	-8.8
Dieldrin	5.516	5.417	5.617	50.770	50.000	1.5
Tetrachloro-m-xylene	2.882	2.783	2.983	50.730	50.000	1.5

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1903 SAS No.: Q1903 SDG NO.: Q1903

Continuing Calib Date: 04/29/2025 Initial Calibration Date(s): 04/18/2025 04/18/2025

Continuing Calib Time: 17:48 Initial Calibration Time(s): 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.08	9.08	8.98	9.18	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1903 SAS No.: Q1903 SDG NO.: Q1903

Continuing Calib Date: 04/29/2025 Initial Calibration Date(s): 04/18/2025 04/18/2025

Continuing Calib Time: 17:48 Initial Calibration Time(s): 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.08	8.08	7.98	8.18	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Dieldrin	5.52	5.52	5.42	5.62	0.00
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
4,4'-DDT	6.19	6.19	6.09	6.29	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1903 SAS No.: Q1903 SDG NO.: Q1903

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/18/2025 04/18/2025

Client Sample No.: CCAL03 Date Analyzed: 04/29/2025

Lab Sample No.: PSTDCCC050 Data File : PD088344.D Time Analyzed: 17:48

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.706	6.606	6.806	57.550	50.000	15.1
4,4'-DDE	6.197	6.097	6.297	53.850	50.000	7.7
4,4'-DDT	7.023	6.922	7.122	51.450	50.000	2.9
Aldrin	5.273	5.173	5.373	57.020	50.000	14.0
Decachlorobiphenyl	9.076	8.975	9.175	48.910	50.000	-2.2
Dieldrin	6.349	6.249	6.449	56.170	50.000	12.3
Tetrachloro-m-xylene	3.550	3.452	3.652	54.930	50.000	9.9

CALIBRATION VERIFICATION SUMMARY

Contract: POWE02

Lab Code: CHEM Case No.: Q1903 SAS No.: Q1903 SDG NO.: Q1903

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/18/2025 04/18/2025

Client Sample No.: CCAL03 Date Analyzed: 04/29/2025

Lab Sample No.: PSTDCCC050 Data File : PD088344.D Time Analyzed: 17:48

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.933	5.834	6.034	50.240	50.000	0.5
4,4'-DDE	5.377	5.280	5.480	49.810	50.000	-0.4
4,4'-DDT	6.187	6.088	6.288	46.040	50.000	-7.9
Aldrin	4.372	4.273	4.473	51.740	50.000	3.5
Decachlorobiphenyl	8.077	7.977	8.177	42.580	50.000	-14.8
Dieldrin	5.516	5.417	5.617	49.830	50.000	-0.3
Tetrachloro-m-xylene	2.882	2.783	2.983	50.630	50.000	1.3

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **POWE02**

Lab Code: **CHEM** Case No.: **Q1903** SAS No.: **Q1903** SDG NO.: **Q1903**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **04/18/2025** **04/18/2025**

Client Sample No. (PEM): **PEM - PD088122.D** Date Analyzed: **04/18/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **13:29**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.075	8.970	9.180	23.220	20.000	16.1
Tetrachloro-m-xylene	3.551	3.500	3.600	21.610	20.000	8.1
alpha-BHC	4.000	3.950	4.050	9.950	10.000	-0.5
beta-BHC	4.516	4.470	4.570	11.360	10.000	13.6
gamma-BHC (Lindane)	4.331	4.280	4.380	10.480	10.000	4.8
Endrin	6.576	6.510	6.650	51.530	50.000	3.1
4,4'-DDT	7.023	6.950	7.090	110.510	100.000	10.5
Methoxychlor	7.494	7.420	7.560	265.100	250.000	6.0

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **04/18/2025** **04/18/2025**

Client Sample No. (PEM): **PEM - PD088122.D** Date Analyzed: **04/18/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **13:29**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	8.076	7.980	8.180	22.950	20.000	14.8
Tetrachloro-m-xylene	2.883	2.830	2.930	22.200	20.000	11.0
alpha-BHC	3.396	3.350	3.450	11.720	10.000	17.2
beta-BHC	4.028	3.980	4.080	12.460	10.000	24.6
gamma-BHC (Lindane)	3.732	3.680	3.780	11.580	10.000	15.8
Endrin	5.793	5.720	5.860	49.780	50.000	-0.4
4,4'-DDT	6.187	6.120	6.260	102.610	100.000	2.6
Methoxychlor	6.758	6.690	6.830	215.580	250.000	-13.8

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **POWE02**

Lab Code: **CHEM** Case No.: **Q1903** SAS No.: **Q1903** SDG NO.: **Q1903**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **04/18/2025** **04/18/2025**

Client Sample No. (PEM): **PEM - PD088321.D** Date Analyzed: **04/29/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **11:50**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.075	8.970	9.180	21.180	20.000	5.9
Tetrachloro-m-xylene	3.551	3.500	3.600	22.180	20.000	10.9
alpha-BHC	4.000	3.950	4.050	10.110	10.000	1.1
beta-BHC	4.516	4.470	4.570	11.610	10.000	16.1
gamma-BHC (Lindane)	4.331	4.280	4.380	10.540	10.000	5.4
Endrin	6.575	6.500	6.650	56.110	50.000	12.2
4,4'-DDT	7.022	6.950	7.090	105.030	100.000	5.0
Methoxychlor	7.494	7.420	7.560	241.280	250.000	-3.5

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **04/18/2025** **04/18/2025**

Client Sample No. (PEM): **PEM - PD088321.D** Date Analyzed: **04/29/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **11:50**

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	8.075	7.970	8.180	19.850	20.000	-0.8
Tetrachloro-m-xylene	2.881	2.830	2.930	21.380	20.000	6.9
alpha-BHC	3.394	3.340	3.440	11.070	10.000	10.7
beta-BHC	4.027	3.980	4.080	11.390	10.000	13.9
gamma-BHC (Lindane)	3.731	3.680	3.780	11.060	10.000	10.6
Endrin	5.791	5.720	5.860	49.800	50.000	-0.4
4,4'-DDT	6.186	6.120	6.260	92.900	100.000	-7.1
Methoxychlor	6.757	6.690	6.830	187.360	250.000	-25.1

Analytical Sequence

Client: Kleinfelder	SDG No.: Q1903	
Project: Mitchell School	Instrument ID: ECD_D	
GC Column: ZB-MR1	ID: 0.32 (mm)	Inst. Calib. Date(s): 04/18/2025 04/18/2025

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	04/18/2025	13:15	PD088121.D	9.07	3.55
PEM	PEM	04/18/2025	13:29	PD088122.D	9.08	3.55
RESCHK	RESCHK	04/18/2025	13:43	PD088123.D	9.08	3.55
PSTDICC100	PSTDICC100	04/18/2025	13:56	PD088124.D	9.08	3.55
PSTDICC075	PSTDICC075	04/18/2025	14:10	PD088125.D	9.07	3.55
PSTDICC050	PSTDICC050	04/18/2025	14:24	PD088126.D	9.08	3.55
PSTDICC025	PSTDICC025	04/18/2025	14:37	PD088127.D	9.08	3.55
PSTDICC005	PSTDICC005	04/18/2025	14:51	PD088128.D	9.08	3.55
PCHLORICC500	PCHLORICC500	04/18/2025	15:32	PD088131.D	9.07	3.55
PTOXICC500	PTOXICC500	04/18/2025	16:40	PD088136.D	9.07	3.55
IBLK	IBLK	04/29/2025	11:37	PD088320.D	9.09	3.56
PEM	PEM	04/29/2025	11:50	PD088321.D	9.08	3.55
PSTDCCC050	PSTDCCC050	04/29/2025	12:35	PD088322.D	9.08	3.55
PB167777BL	PB167777BL	04/29/2025	12:52	PD088323.D	9.08	3.56
PB167777BS	PB167777BS	04/29/2025	13:05	PD088324.D	9.07	3.55
COMP-4	Q1903-01	04/29/2025	14:37	PD088330.D	9.07	3.55
COMP-4MS	Q1903-01MS	04/29/2025	14:51	PD088331.D	9.07	3.55
COMP-4MSD	Q1903-01MSD	04/29/2025	15:04	PD088332.D	9.07	3.55
IBLK	IBLK	04/29/2025	15:18	PD088333.D	9.07	3.55
PSTDCCC050	PSTDCCC050	04/29/2025	15:31	PD088334.D	9.07	3.55
COMP-5	Q1903-02	04/29/2025	15:45	PD088335.D	9.07	3.55
COMP-6	Q1903-03	04/29/2025	15:58	PD088336.D	9.07	3.55
IBLK	IBLK	04/29/2025	17:34	PD088343.D	9.08	3.55
PSTDCCC050	PSTDCCC050	04/29/2025	17:48	PD088344.D	9.08	3.55

Analytical Sequence

Client: Kleinfelder	SDG No.: Q1903	
Project: Mitchell School	Instrument ID: ECD_D	
GC Column: ZB-MR2	ID: 0.32 (mm)	Inst. Calib. Date(s): 04/18/2025 04/18/2025

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	04/18/2025	13:15	PD088121.D	8.08	2.88
PEM	PEM	04/18/2025	13:29	PD088122.D	8.08	2.88
RESCHK	RESCHK	04/18/2025	13:43	PD088123.D	8.08	2.88
PSTDICC100	PSTDICC100	04/18/2025	13:56	PD088124.D	8.09	2.90
PSTDICC075	PSTDICC075	04/18/2025	14:10	PD088125.D	8.08	2.88
PSTDICC050	PSTDICC050	04/18/2025	14:24	PD088126.D	8.08	2.88
PSTDICC025	PSTDICC025	04/18/2025	14:37	PD088127.D	8.08	2.88
PSTDICC005	PSTDICC005	04/18/2025	14:51	PD088128.D	8.08	2.88
PCHLORICC500	PCHLORICC500	04/18/2025	15:32	PD088131.D	8.08	2.88
PTOXICC500	PTOXICC500	04/18/2025	16:40	PD088136.D	8.08	2.88
IBLK	IBLK	04/29/2025	11:37	PD088320.D	8.08	2.88
PEM	PEM	04/29/2025	11:50	PD088321.D	8.08	2.88
PSTDCCC050	PSTDCCC050	04/29/2025	12:35	PD088322.D	8.08	2.88
PB167777BL	PB167777BL	04/29/2025	12:52	PD088323.D	8.08	2.88
PB167777BS	PB167777BS	04/29/2025	13:05	PD088324.D	8.08	2.88
COMP-4	Q1903-01	04/29/2025	14:37	PD088330.D	8.08	2.88
COMP-4MS	Q1903-01MS	04/29/2025	14:51	PD088331.D	8.08	2.88
COMP-4MSD	Q1903-01MSD	04/29/2025	15:04	PD088332.D	8.08	2.88
IBLK	IBLK	04/29/2025	15:18	PD088333.D	8.08	2.88
PSTDCCC050	PSTDCCC050	04/29/2025	15:31	PD088334.D	8.08	2.88
COMP-5	Q1903-02	04/29/2025	15:45	PD088335.D	8.08	2.88
COMP-6	Q1903-03	04/29/2025	15:58	PD088336.D	8.08	2.88
IBLK	IBLK	04/29/2025	17:34	PD088343.D	8.08	2.88
PSTDCCC050	PSTDCCC050	04/29/2025	17:48	PD088344.D	8.08	2.88

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP-4MS

Contract: POWE02

Lab Code: CHEM Case No.: Q1903

SAS No.: Q1903 SDG NO.: Q1903

Lab Sample ID: Q1903-01MS

Date(s) Analyzed: 04/29/2025 04/29/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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		
Aldrin	1	5.27	5.22	5.32	18.9	7.7
	2	4.37	4.32	4.42	17.5	
4,4'-DDE	1	6.20	6.15	6.25	18.4	6.2
	2	5.38	5.33	5.43	17.3	
Dieldrin	1	6.35	6.30	6.40	19.0	8.8
	2	5.52	5.47	5.57	17.4	
4,4'-DDD	1	6.71	6.66	6.76	19.2	11.6
	2	5.93	5.88	5.98	17.1	
4,4'-DDT	1	7.02	6.97	7.07	17.2	1.8
	2	6.19	6.14	6.24	16.9	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP-4MSD

Contract: POWE02

Lab Code: CHEM Case No.: Q1903

SAS No.: Q1903 SDG NO.: Q1903

Lab Sample ID: Q1903-01MSD

Date(s) Analyzed: 04/29/2025 04/29/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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	12
	2	5.93	5.88	5.98	17.2	
4,4'-DDT	1	7.02	6.97	7.07	16.6	1.2
	2	6.19	6.14	6.24	16.8	
Aldrin	1	5.27	5.22	5.32	19.0	8.2
	2	4.37	4.32	4.42	17.5	
4,4'-DDE	1	6.20	6.15	6.25	18.5	5.6
	2	5.38	5.33	5.43	17.5	
Dieldrin	1	6.35	6.30	6.40	19.1	9.3
	2	5.52	5.47	5.57	17.4	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167777BS

Contract: POWE02

Lab Code: CHEM Case No.: Q1903

SAS No.: Q1903 SDG NO.: Q1903

Lab Sample ID: PB167777BS

Date(s) Analyzed: 04/29/2025 04/29/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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	17.8	8.2
	2	5.93	5.88	5.98	16.4	
4,4'-DDE	1	6.20	6.15	6.25	17.4	7.1
	2	5.38	5.33	5.43	16.2	
4,4'-DDT	1	7.02	6.97	7.07	17.1	7.3
	2	6.19	6.14	6.24	15.9	
Aldrin	1	5.27	5.22	5.32	17.5	7.7
	2	4.37	4.32	4.42	16.2	
Dieldrin	1	6.35	6.30	6.40	17.9	9.4
	2	5.52	5.47	5.57	16.3	