

LAB CHRONICLE

OrderID:	P4495	OrderDate:	10/23/2024 10:29:00 AM
Client:	Chemtech Consulting Group	Project:	NJ Soil PT
Contact:	QA Officer	Location:	QA Office, VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4495-14	PT-DIES-SOIL	SOIL			10/21/24			10/23/24
			Diesel Range Organics	8015D		10/24/24	10/24/24	
			Diesel Range Organics	8015D		10/24/24	10/25/24	
P4495-15	PT-GAS-SOIL	SOIL			10/21/24			10/23/24
			Gasoline Range Organics	8015D			10/24/24	
			Gasoline Range Organics	8015D			10/30/24	
P4495-16	PT-NJEPH-SOIL	Solid			10/21/24			10/23/24
			EPH	NJEPH		10/25/24	10/28/24	
			EPH	NJEPH		10/25/24	10/29/24	
			EPH	NJEPH		10/25/24	10/28/24	
P4495-16DL 2	PT-NJEPH-SOILDL2	Solid			10/21/24			10/23/24
			EPH	NJEPH		10/25/24	10/28/24	
P4495-17	PT-HERB-SOIL	SOIL			10/21/24			10/23/24
			Herbicide Group1	8151A		11/14/24	11/25/24	
P4495-17RE	PT-HERB-SOILRE	SOIL			10/21/24			10/23/24
			Herbicide Group1	8151A		11/14/24	11/25/24	
P4495-18	PT-PCB-SOIL	SOIL			10/21/24			10/23/24
			PCB	8082A		10/25/24	10/25/24	
P4495-18DL	PT-PCB-SOIL DL	SOIL			10/21/24			10/23/24
			PCB	8082A		10/25/24	10/25/24	
P4495-19	PT-PCBO-SOIL	SOIL			10/21/24			10/23/24
			PCB	8082A		10/25/24	10/28/24	
P4495-19DL	PT-PCBO-SOILDL	SOIL			10/21/24			10/23/24

LAB CHRONICLE

			PCB	8082A		10/25/24	10/28/24	
P4495-20	PT-PEST-SOIL	SOIL			10/21/24			10/23/24
			PESTICIDE Group1	8081B		10/25/24	11/04/24	
P4495-20DL	PT-PEST-SOILDL	SOIL			10/21/24			10/23/24
			PESTICIDE Group1	8081B		10/25/24	11/04/24	
P4495-20DL 2	PT-PEST-SOILDL2	SOIL			10/21/24			10/23/24
			PESTICIDE Group1	8081B		10/25/24	11/04/24	
P4495-21	PT-CHLR-SOIL	SOIL			10/21/24			10/23/24
			PESTICIDE Group2	8081B		10/25/24	10/31/24	
P4495-22	PT-TXP-SOIL	SOIL			10/21/24			10/23/24
			PESTICIDE Group3	8081B		10/25/24	10/31/24	
P4495-22DL	PT-TXP-SOILDL	SOIL			10/21/24			10/23/24
			PESTICIDE Group3	8081B		10/25/24	10/31/24	

Hit Summary Sheet
SW-846

SDG No.: P4495

Order ID: P4495

Client: Chemtech Consulting Group

Project ID: NJ Soil PT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PT-PEST-SOIL								
P4495-20	PT-PEST-SOIL	SOIL	alpha-BHC	219	E	0.18	1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	beta-BHC	272	E	0.49	1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	delta-BHC	273	E	0.47	1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	gamma-BHC (Lindane)	136	E	0.19	1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	Heptachlor	261	E	0.17	1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	Aldrin	92.9	E	0.14	1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	Heptachlor epoxide	86.8	E	0.23	1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	Endosulfan I	38.7	E	0.17	1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	Dieldrin	315	E	0.15	1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	4,4-DDE	326	E	0.13	1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	Endrin	43.6	E	0.16	1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	Endosulfan II	156	E	0.30	1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	4,4-DDD	211	E	0.19	1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	Endosulfan Sulfate	55.1	E	0.13	1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	4,4-DDT	106	E	0.17	1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	Methoxychlor	39.1	E	0.38	1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	Endrin ketone	171	E	0.22	1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	Endrin aldehyde	26.9		0.39	1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	alpha-Chlordane	79.7	E	0.17	1.70	ug/kg
P4495-20	PT-PEST-SOIL	SOIL	gamma-Chlordane	237	E	0.19	1.70	ug/kg

Total Concentration: 3,145.800

Client ID : PT-PEST-SOILDL								
P4495-20DL	PT-PEST-SOILDL	SOIL	alpha-BHC	229	ED	0.36	3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	beta-BHC	285	ED	0.97	3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	delta-BHC	291	ED	0.94	3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	gamma-BHC (Lindane)	140	ED	0.38	3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	Heptachlor	298	ED	0.34	3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	Aldrin	96.0	ED	0.28	3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	Heptachlor epoxide	90.6	ED	0.46	3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	Endosulfan I	39.3	D	0.34	3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	Dieldrin	342	ED	0.30	3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	4,4-DDE	342	ED	0.26	3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	Endrin	43.3	D	0.32	3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	Endosulfan II	159	ED	0.60	3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	4,4-DDD	217	ED	0.38	3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	Endosulfan Sulfate	55.0	D	0.26	3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	4,4-DDT	104	ED	0.34	3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	Methoxychlor	41.6	D	0.76	3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	Endrin ketone	178	ED	0.44	3.40	ug/kg

Hit Summary Sheet
SW-846

SDG No.: P4495

Order ID: P4495

Client: Chemtech Consulting Group

Project ID: NJ Soil PT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4495-20DL	PT-PEST-SOILDL	SOIL	Endrin aldehyde	26.9	D	0.78	3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	alpha-Chlordane	79.9	ED	0.34	3.40	ug/kg
P4495-20DL	PT-PEST-SOILDL	SOIL	gamma-Chlordane	246	ED	0.38	3.40	ug/kg
Total Concentration:				3,303.600				

Client ID : PT-PEST-SOILDL2

P4495-20DL2	PT-PEST-SOILDL2	SOIL	alpha-BHC	217	D	3.60	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	beta-BHC	305	D	9.70	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	delta-BHC	291	D	9.40	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	gamma-BHC (Lindane)	132	D	3.80	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	Heptachlor	317	D	3.40	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	Aldrin	96.0	D	2.80	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	Heptachlor epoxide	99.5	D	4.60	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	Endosulfan I	44.9	D	3.40	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	Dieldrin	362	D	3.00	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	4,4-DDE	351	D	2.60	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	Endrin	44.8	D	3.20	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	Endosulfan II	165	D	6.00	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	4,4-DDD	215	D	3.80	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	Endosulfan Sulfate	63.5	D	2.60	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	4,4-DDT	98.8	D	3.40	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	Methoxychlor	48.5	D	7.60	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	Endrin ketone	194	D	4.40	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	Endrin aldehyde	31.9	JD	7.80	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	alpha-Chlordane	84.2	D	3.40	33.8	ug/kg
P4495-20DL2	PT-PEST-SOILDL2	SOIL	gamma-Chlordane	247	D	3.80	33.8	ug/kg
Total Concentration:				3,408.100				



SAMPLE DATA

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	10/21/24	
Project:	NJ Soil PT		Date Received:	10/23/24	
Client Sample ID:	PT-PEST-SOIL		SDG No.:	P4495	
Lab Sample ID:	P4495-20		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	100	Decanted:
Sample Wt/Vol:	30.16	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
PL092818.D	1	10/25/24 09:40	11/04/24 11:12	PB164398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	219	E	0.18	1.70	ug/kg
319-85-7	beta-BHC	272	E	0.49	1.70	ug/kg
319-86-8	delta-BHC	273	E	0.47	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	136	E	0.19	1.70	ug/kg
76-44-8	Heptachlor	261	E	0.17	1.70	ug/kg
309-00-2	Aldrin	92.9	E	0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	86.8	E	0.23	1.70	ug/kg
959-98-8	Endosulfan I	38.7	E	0.17	1.70	ug/kg
60-57-1	Dieldrin	315	E	0.15	1.70	ug/kg
72-55-9	4,4-DDE	326	E	0.13	1.70	ug/kg
72-20-8	Endrin	43.6	E	0.16	1.70	ug/kg
33213-65-9	Endosulfan II	156	E	0.30	1.70	ug/kg
72-54-8	4,4-DDD	211	E	0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	55.1	E	0.13	1.70	ug/kg
50-29-3	4,4-DDT	106	E	0.17	1.70	ug/kg
72-43-5	Methoxychlor	39.1	E	0.38	1.70	ug/kg
53494-70-5	Endrin ketone	171	E	0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	26.9		0.39	1.70	ug/kg
5103-71-9	alpha-Chlordane	79.7	E	0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	237	E	0.19	1.70	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.2		10 - 148	96%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.3		10 - 159	111%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	10/21/24	
Project:	NJ Soil PT		Date Received:	10/23/24	
Client Sample ID:	PT-PEST-SOIL		SDG No.:	P4495	
Lab Sample ID:	P4495-20		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	100	Decanted:
Sample Wt/Vol:	30.16	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
PL092818.D	1	10/25/24 09:40	11/04/24 11:12	PB164398

CAS Number	Parameter	Conc.	Qualifier	MDL	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:	Chemtech Consulting Group		Date Collected:	10/21/24	
Project:	NJ Soil PT		Date Received:	10/23/24	
Client Sample ID:	PT-PEST-SOILDL		SDG No.:	P4495	
Lab Sample ID:	P4495-20DL		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	100	Decanted:
Sample Wt/Vol:	30.16	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
PL092819.D	2	10/25/24 09:40	11/04/24 11:26	PB164398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	229	ED	0.36	3.40	ug/kg
319-85-7	beta-BHC	285	ED	0.97	3.40	ug/kg
319-86-8	delta-BHC	291	ED	0.94	3.40	ug/kg
58-89-9	gamma-BHC (Lindane)	140	ED	0.38	3.40	ug/kg
76-44-8	Heptachlor	298	ED	0.34	3.40	ug/kg
309-00-2	Aldrin	96.0	ED	0.28	3.40	ug/kg
1024-57-3	Heptachlor epoxide	90.6	ED	0.46	3.40	ug/kg
959-98-8	Endosulfan I	39.3	D	0.34	3.40	ug/kg
60-57-1	Dieldrin	342	ED	0.30	3.40	ug/kg
72-55-9	4,4-DDE	342	ED	0.26	3.40	ug/kg
72-20-8	Endrin	43.3	D	0.32	3.40	ug/kg
33213-65-9	Endosulfan II	159	ED	0.60	3.40	ug/kg
72-54-8	4,4-DDD	217	ED	0.38	3.40	ug/kg
1031-07-8	Endosulfan Sulfate	55.0	D	0.26	3.40	ug/kg
50-29-3	4,4-DDT	104	ED	0.34	3.40	ug/kg
72-43-5	Methoxychlor	41.6	D	0.76	3.40	ug/kg
53494-70-5	Endrin ketone	178	ED	0.44	3.40	ug/kg
7421-93-4	Endrin aldehyde	26.9	D	0.78	3.40	ug/kg
5103-71-9	alpha-Chlordane	79.9	ED	0.34	3.40	ug/kg
5103-74-2	gamma-Chlordane	246	ED	0.38	3.40	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.4		10 - 148	97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.9		10 - 159	120%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	10/21/24	
Project:	NJ Soil PT		Date Received:	10/23/24	
Client Sample ID:	PT-PEST-SOILDL		SDG No.:	P4495	
Lab Sample ID:	P4495-20DL		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	100	Decanted:
Sample Wt/Vol:	30.16	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
PL092819.D	2	10/25/24 09:40	11/04/24 11:26	PB164398

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

U = Not Detected

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MDL = Method Detection Limit

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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:	Chemtech Consulting Group		Date Collected:	10/21/24	
Project:	NJ Soil PT		Date Received:	10/23/24	
Client Sample ID:	PT-PEST-SOILDL2		SDG No.:	P4495	
Lab Sample ID:	P4495-20DL2		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	100	Decanted:
Sample Wt/Vol:	30.16	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
PL092820.D	20	10/25/24 09:40	11/04/24 11:39	PB164398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	217	D	3.60	33.8	ug/kg
319-85-7	beta-BHC	305	D	9.70	33.8	ug/kg
319-86-8	delta-BHC	291	D	9.40	33.8	ug/kg
58-89-9	gamma-BHC (Lindane)	132	D	3.80	33.8	ug/kg
76-44-8	Heptachlor	317	D	3.40	33.8	ug/kg
309-00-2	Aldrin	96.0	D	2.80	33.8	ug/kg
1024-57-3	Heptachlor epoxide	99.5	D	4.60	33.8	ug/kg
959-98-8	Endosulfan I	44.9	D	3.40	33.8	ug/kg
60-57-1	Dieldrin	362	D	3.00	33.8	ug/kg
72-55-9	4,4-DDE	351	D	2.60	33.8	ug/kg
72-20-8	Endrin	44.8	D	3.20	33.8	ug/kg
33213-65-9	Endosulfan II	165	D	6.00	33.8	ug/kg
72-54-8	4,4-DDD	215	D	3.80	33.8	ug/kg
1031-07-8	Endosulfan Sulfate	63.5	D	2.60	33.8	ug/kg
50-29-3	4,4-DDT	98.8	D	3.40	33.8	ug/kg
72-43-5	Methoxychlor	48.5	D	7.60	33.8	ug/kg
53494-70-5	Endrin ketone	194	D	4.40	33.8	ug/kg
7421-93-4	Endrin aldehyde	31.9	JD	7.80	33.8	ug/kg
5103-71-9	alpha-Chlordane	84.2	D	3.40	33.8	ug/kg
5103-74-2	gamma-Chlordane	247	D	3.80	33.8	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.2		10 - 148	106%	SPK: 20
877-09-8	Tetrachloro-m-xylene	27.2		10 - 159	136%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	10/21/24	
Project:	NJ Soil PT		Date Received:	10/23/24	
Client Sample ID:	PT-PEST-SOILDL2		SDG No.:	P4495	
Lab Sample ID:	P4495-20DL2		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	100	Decanted:
Sample Wt/Vol:	30.16	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
PL092820.D	20	10/25/24 09:40	11/04/24 11:39	PB164398

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

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Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

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.: **P4495**

Client: **Chemtech Consulting Group**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PL092494.D	PIBLK-PL092494.D	Decachlorobiphenyl	1	20	21.5	107		43	140
		Tetrachloro-m-xylene	1	20	22.0	110		77	126
		Decachlorobiphenyl	2	20	21.4	107		43	140
		Tetrachloro-m-xylene	2	20	20.0	100		77	126
I.BLK-PL092637.D	PIBLK-PL092637.D	Decachlorobiphenyl	1	20	22.1	110		43	140
		Tetrachloro-m-xylene	1	20	19.9	100		77	126
		Decachlorobiphenyl	2	20	24.4	122		43	140
		Tetrachloro-m-xylene	2	20	21.6	108		77	126
PB164398BL	PB164398BL	Decachlorobiphenyl	1	20	19.4	97		10	148
		Tetrachloro-m-xylene	1	20	17.1	85		10	159
		Decachlorobiphenyl	2	20	21.1	106		10	148
		Tetrachloro-m-xylene	2	20	17.7	89		10	159
PB164398BS	PB164398BS	Decachlorobiphenyl	1	20	18.1	90		10	148
		Tetrachloro-m-xylene	1	20	16.2	81		10	159
		Decachlorobiphenyl	2	20	19.5	97		10	148
		Tetrachloro-m-xylene	2	20	16.8	84		10	159
P4547-05MS	BP-F-20MS	Decachlorobiphenyl	1	20	15.7	78		10	148
		Tetrachloro-m-xylene	1	20	15.2	76		10	159
		Decachlorobiphenyl	2	20	14.4	72		10	148
		Tetrachloro-m-xylene	2	20	16.0	80		10	159
P4547-05MSD	BP-F-20MSD	Decachlorobiphenyl	1	20	15.3	76		10	148
		Tetrachloro-m-xylene	1	20	14.6	73		10	159
		Decachlorobiphenyl	2	20	15.1	75		10	148
		Tetrachloro-m-xylene	2	20	15.9	79		10	159
I.BLK-PL092649.D	PIBLK-PL092649.D	Decachlorobiphenyl	1	20	21.2	106		43	140
		Tetrachloro-m-xylene	1	20	20.0	100		77	126
		Decachlorobiphenyl	2	20	22.2	111		43	140
		Tetrachloro-m-xylene	2	20	21.4	107		77	126
I.BLK-PL092652.D	PIBLK-PL092652.D	Decachlorobiphenyl	1	20	22.7	114		43	140
		Tetrachloro-m-xylene	1	20	21.6	108		77	126
		Decachlorobiphenyl	2	20	21.7	109		43	140
		Tetrachloro-m-xylene	2	20	20.4	102		77	126
I.BLK-PL092815.D	PIBLK-PL092815.D	Decachlorobiphenyl	1	20	18.7	94		43	140
		Tetrachloro-m-xylene	1	20	18.6	93		77	126
		Decachlorobiphenyl	2	20	17.3	87		43	140
		Tetrachloro-m-xylene	2	20	18.1	90		77	126
P4495-20	PT-PEST-SOIL	Decachlorobiphenyl	1	20	18.5	92		10	148
		Tetrachloro-m-xylene	1	20	22.3	111		10	159
		Decachlorobiphenyl	2	20	19.2	96		10	148
		Tetrachloro-m-xylene	2	20	19.4	97		10	159
P4495-20DL	PT-PEST-SOILDL	Decachlorobiphenyl	1	20	19.2	96		10	148

Surrogate Summary

SDG No.: **P4495**

Client: **Chemtech Consulting Group**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
P4495-20DL	PT-PEST-SOILDL	Tetrachloro-m-xylene	1	20	23.9	120		10	159
		Decachlorobiphenyl	2	20	19.4	97		10	148
		Tetrachloro-m-xylene	2	20	20.0	100		10	159
P4495-20DL2	PT-PEST-SOILDL2	Decachlorobiphenyl	1	20	21.2	106		10	148
		Tetrachloro-m-xylene	1	20	27.2	136		10	159
		Decachlorobiphenyl	2	20	21.0	105		10	148
		Tetrachloro-m-xylene	2	20	22.4	112		10	159
		Decachlorobiphenyl	1	20	18.9	94		43	140
I.BLK-PL092838.D	PIBLK-PL092838.D	Tetrachloro-m-xylene	1	20	18.6	93		77	126
		Decachlorobiphenyl	2	20	18.2	91		43	140
		Tetrachloro-m-xylene	2	20	18.5	93		77	126
		Decachlorobiphenyl	1	20	18.9	94		43	140

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4495

Client: Chemtech Consulting Group

Analytical Method: 8081B

DataFile : PL092647.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: P4547-05MS	BP-F-20MS											
	alpha-BHC	19.21	0	17.3	ug/kg	90				60	144	
	beta-BHC	19.21	0	17.7	ug/kg	92				54	143	
	delta-BHC	19.21	0	16.4	ug/kg	85				47	144	
	gamma-BHC (Lindane)	19.21	0	17.1	ug/kg	89				61	140	
	Heptachlor	19.21	0	17.8	ug/kg	93				63	135	
	Aldrin	19.21	0	16.6	ug/kg	86				49	139	
	Heptachlor epoxide	19.21	0	17.1	ug/kg	89				32	180	
	Endosulfan I	19.21	0	17.9	ug/kg	93				56	142	
	Dieldrin	19.21	0	16.6	ug/kg	86				47	161	
	4,4'-DDE	19.21	0	17.4	ug/kg	91				55	136	
	Endrin	19.21	0	16.1	ug/kg	84				57	139	
	Endosulfan II	19.21	0	16.3	ug/kg	85				40	163	
	4,4'-DDD	19.21	0	16.2	ug/kg	84				37	192	
	Endosulfan sulfate	19.21	0	16.0	ug/kg	83				62	139	
	4,4'-DDT	19.21	0	16.2	ug/kg	84				51	146	
	Methoxychlor	19.21	0	16.9	ug/kg	88				54	136	
	Endrin ketone	19.21	0	16.6	ug/kg	86				60	129	
	Endrin aldehyde	19.21	0	16.1	ug/kg	84				59	132	
	alpha-Chlordane	19.21	0	17.7	ug/kg	92				30	192	
	gamma-Chlordane	19.21	0	17.2	ug/kg	90				44	175	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4495

Client: Chemtech Consulting Group

Analytical Method: 8081B

DataFile : PL092648.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	BP-F-20MSD											
P4547-05MSD	alpha-BHC	19.2	0	17.3	ug/kg	90		0		60	144	20
	beta-BHC	19.2	0	17.9	ug/kg	93		1		54	143	20
	delta-BHC	19.2	0	16.6	ug/kg	86		1		47	144	20
	gamma-BHC (Lindane)	19.2	0	17.2	ug/kg	90		1		61	140	20
	Heptachlor	19.2	0	18.0	ug/kg	94		1		63	135	20
	Aldrin	19.2	0	16.8	ug/kg	87		1		49	139	20
	Heptachlor epoxide	19.2	0	17.4	ug/kg	91		2		32	180	20
	Endosulfan I	19.2	0	17.9	ug/kg	93		0		56	142	20
	Dieldrin	19.2	0	17.1	ug/kg	89		3		47	161	20
	4,4'-DDE	19.2	0	17.6	ug/kg	92		1		55	136	20
	Endrin	19.2	0	17.2	ug/kg	90		7		57	139	20
	Endosulfan II	19.2	0	16.8	ug/kg	87		2		40	163	20
	4,4'-DDD	19.2	0	17.0	ug/kg	89		6		37	192	20
	Endosulfan sulfate	19.2	0	16.7	ug/kg	87		5		62	139	20
	4,4'-DDT	19.2	0	16.6	ug/kg	86		2		51	146	20
	Methoxychlor	19.2	0	18.0	ug/kg	94		7		54	136	20
	Endrin ketone	19.2	0	16.8	ug/kg	87		1		60	129	20
	Endrin aldehyde	19.2	0	16.1	ug/kg	84		0		59	132	20
	alpha-Chlordane	19.2	0	17.4	ug/kg	91		1		30	192	20
	gamma-Chlordane	19.2	0	17.2	ug/kg	90		0		44	175	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4495

Client: Chemtech Consulting Group

Analytical Method: **8081B** Datafile : PL092641.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB164398BS	alpha-BHC	16.66	16.2	ug/kg	97				84	123	
	beta-BHC	16.66	16.7	ug/kg	100				82	123	
	delta-BHC	16.66	16.2	ug/kg	97				83	126	
	gamma-BHC (Lindane)	16.66	16.4	ug/kg	98				83	125	
	Heptachlor	16.66	16.7	ug/kg	100				83	122	
	Aldrin	16.66	16.3	ug/kg	98				82	124	
	Heptachlor epoxide	16.66	17.0	ug/kg	102				83	120	
	Endosulfan I	16.66	17.2	ug/kg	103				81	124	
	Dieldrin	16.66	16.4	ug/kg	98				85	121	
	4,4'-DDE	16.66	16.8	ug/kg	101				81	123	
	Endrin	16.66	16.1	ug/kg	97				76	130	
	Endosulfan II	16.66	16.3	ug/kg	98				80	125	
	4,4'-DDD	16.66	16.6	ug/kg	100				80	131	
	Endosulfan sulfate	16.66	16.3	ug/kg	98				81	122	
	4,4'-DDT	16.66	16.1	ug/kg	97				70	129	
	Methoxychlor	16.66	17.8	ug/kg	107				60	119	
	Endrin ketone	16.66	17.2	ug/kg	103				77	132	
	Endrin aldehyde	16.66	16.6	ug/kg	100				79	124	
	alpha-Chlordane	16.66	16.7	ug/kg	100				84	120	
	gamma-Chlordane	16.66	16.4	ug/kg	98				83	122	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164398BL

Lab Name: CHEMTECH

Contract: CHEM02

Lab Code: CHEM Case No.: P4495

SAS No.: P4495 SDG NO.: P4495

Lab Sample ID: PB164398BL

Lab File ID: PL092640.D

Matrix: (soil/water) Solid

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/25/2024

Date Analyzed (1): 10/25/2024

Date Analyzed (2): 10/25/2024

Time Analyzed (1): 16:46

Time Analyzed (2): 16:46

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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

GC Column (2): ZB-MR1 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
PB164398BS	PB164398BS	PL092641.D	10/25/2024	10/25/2024
BP-F-20MS	P4547-05MS	PL092647.D	10/25/2024	10/25/2024
BP-F-20MSD	P4547-05MSD	PL092648.D	10/25/2024	10/25/2024
PT-PEST-SOIL	P4495-20	PL092818.D	11/04/2024	11/04/2024

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:		
Project:	NJ Soil PT		Date Received:		
Client Sample ID:	PB164398BL		SDG No.:	P4495	
Lab Sample ID:	PB164398BL		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
PL092640.D	1	10/25/24 09:40	10/25/24 16:46	PB164398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.18	U	0.18	1.70	ug/kg
319-85-7	beta-BHC	0.49	U	0.49	1.70	ug/kg
319-86-8	delta-BHC	0.47	U	0.47	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	0.19	U	0.19	1.70	ug/kg
76-44-8	Heptachlor	0.17	U	0.17	1.70	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	1.70	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	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
72-20-8	Endrin	0.16	U	0.16	1.70	ug/kg
33213-65-9	Endosulfan II	0.30	U	0.30	1.70	ug/kg
72-54-8	4,4-DDD	0.19	U	0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	1.70	ug/kg
72-43-5	Methoxychlor	0.38	U	0.38	1.70	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	0.39	U	0.39	1.70	ug/kg
5103-71-9	alpha-Chlordane	0.17	U	0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	0.19	U	0.19	1.70	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.1		10 - 148	106%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.7		10 - 159	89%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:		
Project:	NJ Soil PT		Date Received:		
Client Sample ID:	PB164398BL		SDG No.:	P4495	
Lab Sample ID:	PB164398BL		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
PL092640.D	1	10/25/24 09:40	10/25/24 16:46	PB164398

CAS Number	Parameter	Conc.	Qualifier	MDL	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:	Chemtech Consulting Group		Date Collected:	10/21/24	
Project:	NJ Soil PT		Date Received:	10/21/24	
Client Sample ID:	PIBLK-PL092494.D		SDG No.:	P4495	
Lab Sample ID:	I.BLK-PL092494.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
PL092494.D	1		10/21/24	PL102124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	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
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.5		43 - 140	107%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.0		77 - 126	110%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	10/21/24	
Project:	NJ Soil PT		Date Received:	10/21/24	
Client Sample ID:	PIBLK-PL092494.D		SDG No.:	P4495	
Lab Sample ID:	I.BLK-PL092494.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
PL092494.D	1		10/21/24	PL102124

CAS Number	Parameter	Conc.	Qualifier	MDL	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:	Chemtech Consulting Group		Date Collected:	10/25/24	
Project:	NJ Soil PT		Date Received:	10/25/24	
Client Sample ID:	PIBLK-PL092637.D		SDG No.:	P4495	
Lab Sample ID:	I.BLK-PL092637.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
PL092637.D	1		10/25/24	PL102624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	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
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	24.4		43 - 140	122%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		77 - 126	108%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	10/25/24	
Project:	NJ Soil PT		Date Received:	10/25/24	
Client Sample ID:	PIBLK-PL092637.D		SDG No.:	P4495	
Lab Sample ID:	I.BLK-PL092637.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
PL092637.D	1		10/25/24	PL102624

CAS Number	Parameter	Conc.	Qualifier	MDL	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

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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:	Chemtech Consulting Group		Date Collected:	10/25/24	
Project:	NJ Soil PT		Date Received:	10/25/24	
Client Sample ID:	PIBLK-PL092649.D		SDG No.:	P4495	
Lab Sample ID:	I.BLK-PL092649.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
PL092649.D	1		10/25/24	PL102624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	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
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.2		43 - 140	111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.4		77 - 126	107%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	10/25/24	
Project:	NJ Soil PT		Date Received:	10/25/24	
Client Sample ID:	PIBLK-PL092649.D		SDG No.:	P4495	
Lab Sample ID:	I.BLK-PL092649.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
PL092649.D	1		10/25/24	PL102624

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

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

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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() = Laboratory InHouse Limit

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	10/28/24	
Project:	NJ Soil PT		Date Received:	10/28/24	
Client Sample ID:	PIBLK-PL092652.D		SDG No.:	P4495	
Lab Sample ID:	I.BLK-PL092652.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
PL092652.D	1		10/28/24	PL102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	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
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.7		43 - 140	114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		77 - 126	108%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	10/28/24	
Project:	NJ Soil PT		Date Received:	10/28/24	
Client Sample ID:	PIBLK-PL092652.D		SDG No.:	P4495	
Lab Sample ID:	I.BLK-PL092652.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
PL092652.D	1		10/28/24	PL102824

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

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() = Laboratory InHouse Limit

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	11/04/24	
Project:	NJ Soil PT		Date Received:	11/04/24	
Client Sample ID:	PIBLK-PL092815.D		SDG No.:	P4495	
Lab Sample ID:	I.BLK-PL092815.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
PL092815.D	1		11/04/24	PL110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	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
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.7		43 - 140	94%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.6		77 - 126	93%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	11/04/24	
Project:	NJ Soil PT		Date Received:	11/04/24	
Client Sample ID:	PIBLK-PL092815.D		SDG No.:	P4495	
Lab Sample ID:	I.BLK-PL092815.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
PL092815.D	1		11/04/24	PL110424

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

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Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	11/04/24	
Project:	NJ Soil PT		Date Received:	11/04/24	
Client Sample ID:	PIBLK-PL092838.D		SDG No.:	P4495	
Lab Sample ID:	I.BLK-PL092838.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
PL092838.D	1		11/04/24	PL110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	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
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.9		43 - 140	94%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.6		77 - 126	93%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	11/04/24	
Project:	NJ Soil PT		Date Received:	11/04/24	
Client Sample ID:	PIBLK-PL092838.D		SDG No.:	P4495	
Lab Sample ID:	I.BLK-PL092838.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
PL092838.D	1		11/04/24	PL110424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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D = Dilution

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() = Laboratory InHouse Limit

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:		
Project:	NJ Soil PT		Date Received:		
Client Sample ID:	PB164398BS		SDG No.:	P4495	
Lab Sample ID:	PB164398BS		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
PL092641.D	1	10/25/24 09:40	10/25/24 16:59	PB164398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	16.2		0.18	1.70	ug/kg
319-85-7	beta-BHC	16.7		0.49	1.70	ug/kg
319-86-8	delta-BHC	16.2		0.47	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	16.4		0.19	1.70	ug/kg
76-44-8	Heptachlor	16.7		0.17	1.70	ug/kg
309-00-2	Aldrin	16.3		0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	17.0		0.23	1.70	ug/kg
959-98-8	Endosulfan I	17.2		0.17	1.70	ug/kg
60-57-1	Dieldrin	16.4		0.15	1.70	ug/kg
72-55-9	4,4-DDE	16.8		0.13	1.70	ug/kg
72-20-8	Endrin	16.1		0.16	1.70	ug/kg
33213-65-9	Endosulfan II	16.3		0.30	1.70	ug/kg
72-54-8	4,4-DDD	16.6		0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	16.3		0.13	1.70	ug/kg
50-29-3	4,4-DDT	16.1		0.17	1.70	ug/kg
72-43-5	Methoxychlor	17.8		0.38	1.70	ug/kg
53494-70-5	Endrin ketone	17.2		0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	16.6		0.39	1.70	ug/kg
5103-71-9	alpha-Chlordane	16.7		0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	16.4		0.19	1.70	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.5		10 - 148	97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.8		10 - 159	84%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	
Project:	NJ Soil PT		Date Received:	
Client Sample ID:	PB164398BS		SDG No.:	P4495
Lab Sample ID:	PB164398BS		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	PH :	Injection Volume :	
Prep Method :	SW3541B			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092641.D	1	10/25/24 09:40	10/25/24 16:59	PB164398

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

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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D = Dilution

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Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	10/24/24	
Project:	NJ Soil PT		Date Received:	10/24/24	
Client Sample ID:	BP-F-20MS		SDG No.:	P4495	
Lab Sample ID:	P4547-05MS		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	86.6	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
PL092647.D	1	10/25/24 09:40	10/25/24 18:42	PB164398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	17.3		0.21	2.00	ug/kg
319-85-7	beta-BHC	17.7		0.56	2.00	ug/kg
319-86-8	delta-BHC	16.4		0.54	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	17.1		0.22	2.00	ug/kg
76-44-8	Heptachlor	17.8		0.20	2.00	ug/kg
309-00-2	Aldrin	16.6		0.16	2.00	ug/kg
1024-57-3	Heptachlor epoxide	17.1		0.27	2.00	ug/kg
959-98-8	Endosulfan I	17.9		0.20	2.00	ug/kg
60-57-1	Dieldrin	16.6		0.17	2.00	ug/kg
72-55-9	4,4-DDE	17.4		0.15	2.00	ug/kg
72-20-8	Endrin	16.1		0.18	2.00	ug/kg
33213-65-9	Endosulfan II	16.3		0.35	2.00	ug/kg
72-54-8	4,4-DDD	16.2		0.22	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	16.0		0.15	2.00	ug/kg
50-29-3	4,4-DDT	16.2		0.20	2.00	ug/kg
72-43-5	Methoxychlor	16.9		0.44	2.00	ug/kg
53494-70-5	Endrin ketone	16.6		0.25	2.00	ug/kg
7421-93-4	Endrin aldehyde	16.1		0.45	2.00	ug/kg
5103-71-9	alpha-Chlordane	17.7		0.20	2.00	ug/kg
5103-74-2	gamma-Chlordane	17.2		0.22	2.00	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.7		10 - 148	78%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.0		10 - 159	80%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	10/24/24	
Project:	NJ Soil PT		Date Received:	10/24/24	
Client Sample ID:	BP-F-20MS		SDG No.:	P4495	
Lab Sample ID:	P4547-05MS		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	86.6	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
PL092647.D	1	10/25/24 09:40	10/25/24 18:42	PB164398

CAS Number	Parameter	Conc.	Qualifier	MDL	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:	Chemtech Consulting Group		Date Collected:	10/24/24	
Project:	NJ Soil PT		Date Received:	10/24/24	
Client Sample ID:	BP-F-20MSD		SDG No.:	P4495	
Lab Sample ID:	P4547-05MSD		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	86.6	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
PL092648.D	1	10/25/24 09:40	10/25/24 18:56	PB164398

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	17.3		0.21	2.00	ug/kg
319-85-7	beta-BHC	17.9		0.56	2.00	ug/kg
319-86-8	delta-BHC	16.6		0.54	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	17.2		0.22	2.00	ug/kg
76-44-8	Heptachlor	18.0		0.20	2.00	ug/kg
309-00-2	Aldrin	16.8		0.16	2.00	ug/kg
1024-57-3	Heptachlor epoxide	17.4		0.27	2.00	ug/kg
959-98-8	Endosulfan I	17.9		0.20	2.00	ug/kg
60-57-1	Dieldrin	17.1		0.17	2.00	ug/kg
72-55-9	4,4-DDE	17.6		0.15	2.00	ug/kg
72-20-8	Endrin	17.2		0.18	2.00	ug/kg
33213-65-9	Endosulfan II	16.8		0.35	2.00	ug/kg
72-54-8	4,4-DDD	17.0		0.22	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	16.7		0.15	2.00	ug/kg
50-29-3	4,4-DDT	16.6		0.20	2.00	ug/kg
72-43-5	Methoxychlor	18.0		0.44	2.00	ug/kg
53494-70-5	Endrin ketone	16.8		0.25	2.00	ug/kg
7421-93-4	Endrin aldehyde	16.1		0.45	2.00	ug/kg
5103-71-9	alpha-Chlordane	17.4		0.20	2.00	ug/kg
5103-74-2	gamma-Chlordane	17.2		0.22	2.00	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.3		10 - 148	76%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.9		10 - 159	79%	SPK: 20

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	10/24/24	
Project:	NJ Soil PT		Date Received:	10/24/24	
Client Sample ID:	BP-F-20MSD		SDG No.:	P4495	
Lab Sample ID:	P4547-05MSD		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	86.6	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
PL092648.D	1	10/25/24 09:40	10/25/24 18:56	PB164398

CAS Number	Parameter	Conc.	Qualifier	MDL	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



CALIBRATION SUMMARY

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Calibration Times: 13:00 13:53

LAB FILE ID:	RT 100 =	<u>PL092497.D</u>	RT 075 =	<u>PL092498.D</u>
	RT 050 =	PL092499.D	RT 025 =	PL092500.D
			RT 005 =	PL092501.D

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Calibration Times: 13:00 13:53

LAB FILE ID:	RT 100 =	<u>PL092497.D</u>	RT 075 =	<u>PL092498.D</u>
	RT 050 =	PL092499.D	RT 025 =	PL092500.D
			RT 005 =	PL092501.D

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Instrument ID: ECD_L **Calibration Date(s):** 10/21/2024 10/21/2024
Calibration Times: 13:00 13:53

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

LAB FILE ID:		CF 100 = <u>PL092497.D</u>		CF 075 = <u>PL092498.D</u>			
CF 050 = <u>PL092499.D</u>		CF 025 = <u>PL092500.D</u>		CF 005 = <u>PL092501.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2246400000	2258620000	2360420000	2437540000	2776830000	2415960000	9
4,4'-DDE	2768040000	2811970000	2906870000	3034090000	3308610000	2965920000	7
4,4'-DDT	2351780000	2354700000	2458670000	2510620000	2654500000	2466050000	5
Aldrin	3357570000	3399600000	3527390000	3705500000	4403230000	3678660000	12
alpha-BHC	3880960000	3900500000	3985440000	4129150000	4710150000	4121240000	8
alpha-Chlordane	2934020000	3004180000	3127580000	3292340000	3923880000	3256400000	12
beta-BHC	1472550000	1485480000	1520550000	1582420000	1700650000	1552330000	6
Decachlorobiphenyl	1893630000	1911900000	1968460000	2071700000	2310050000	2031150000	8
delta-BHC	3526460000	3537730000	3645230000	3889220000	4211510000	3762030000	8
Dieldrin	2994540000	3035510000	3143820000	3281370000	3804200000	3251890000	10
Endosulfan I	2758780000	2810500000	2913200000	3062020000	3552420000	3019390000	11
Endosulfan II	2571530000	2607370000	2748580000	2960640000	3260790000	2829780000	10
Endosulfan sulfate	2304480000	2335740000	2443850000	2546180000	3002960000	2526640000	11
Endrin	2580620000	2625010000	2734790000	2924540000	3253750000	2823740000	10
Endrin aldehyde	1982870000	2003830000	2098670000	2187760000	2407240000	2136080000	8
Endrin ketone	2572770000	2595940000	2703400000	2798310000	3078670000	2749820000	7
gamma-BHC (Lindane)	3651940000	3672710000	3751070000	3836830000	4321280000	3846770000	7
gamma-Chlordane	2975150000	3046540000	3165110000	3319740000	3978350000	3296980000	12
Heptachlor	3266860000	3307900000	3429100000	3569740000	4155000000	3545720000	10
Heptachlor epoxide	3004670000	3040630000	3248410000	3443240000	3866730000	3320740000	11
Methoxychlor	1148350000	1158380000	1214430000	1185540000	1181850000	1177710000	2
Tetrachloro-m-xylene	2537390000	2552890000	2586960000	2724730000	3067200000	2693840000	8

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Instrument ID: ECD_L **Calibration Date(s):** 10/21/2024 10/21/2024
Calibration Times: 13:00 13:53

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

LAB FILE ID:				CF 100 =	PL092497.D	CF 075 =	PL092498.D
CF 050 =		PL092499.D		CF 025 =	PL092500.D	CF 005 =	PL092501.D
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2693820000	2711750000	2763570000	2774490000	2947510000	2778230000	4
4,4'-DDE	3365970000	3350290000	3424050000	3426470000	3819900000	3477340000	6
4,4'-DDT	2876310000	2862890000	2900910000	2875360000	3169270000	2936950000	4
Aldrin	3902880000	3867350000	3920990000	3908110000	4278130000	3975490000	4
alpha-BHC	4282080000	4249760000	4259610000	4206610000	4577410000	4315100000	3
alpha-Chlordane	3453960000	3467250000	3481480000	3550810000	3816750000	3554050000	4
beta-BHC	1637290000	1631380000	1679350000	1708600000	2073140000	1745950000	11
Decachlorobiphenyl	2533020000	2508980000	2598990000	2640650000	2893220000	2634970000	6
delta-BHC	4115860000	4070010000	4108760000	4122660000	4613930000	4206240000	5
Dieldrin	3524630000	3511910000	3576190000	3612640000	4046390000	3654350000	6
Endosulfan I	3116470000	3138120000	3163890000	3197670000	3298980000	3183030000	2
Endosulfan II	2909510000	2958770000	3049780000	3070330000	3642720000	3126220000	9
Endosulfan sulfate	2760410000	2764670000	2816810000	2859720000	3579720000	2956270000	12
Endrin	3096230000	3113840000	3236910000	3364340000	3563230000	3274910000	6
Endrin aldehyde	2316790000	2330610000	2385350000	2437260000	2812750000	2456550000	8
Endrin ketone	3125230000	3132330000	3203190000	3221610000	3378350000	3212140000	3
gamma-BHC (Lindane)	4098710000	4055410000	4107080000	4122620000	4206290000	4118020000	1
gamma-Chlordane	3544140000	3552270000	3600750000	3641630000	4057250000	3679210000	6
Heptachlor	3908940000	3891170000	3959270000	3983440000	4335990000	4015760000	5
Heptachlor epoxide	3409250000	3412120000	3473550000	3502030000	3820750000	3523540000	5
Methoxychlor	1383990000	1380180000	1398790000	1408970000	1517400000	1417870000	4
Tetrachloro-m-xylene	2710240000	2704020000	2735270000	2751220000	2986460000	2777440000	4

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Calibration Times: 14:43 15:36

LAB FILE ID: RT 100 = PL092655.D RT 075 = PL092656.D
RT 050 = PL092657.D RT 025 = PL092658.D RT 005 = PL092659.D

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Calibration Times: 14:43 15:36

LAB FILE ID:	RT 100 =	<u>PL092655.D</u>	RT 075 =	<u>PL092656.D</u>
	RT 050 =	PL092657.D	RT 025 =	PL092658.D
			RT 005 =	PL092659.D

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Instrument ID: ECD_L **Calibration Date(s):** 10/28/2024 10/28/2024
Calibration Times: 14:43 15:36

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

LAB FILE ID:		CF 100 = <u>PL092655.D</u>		CF 075 = <u>PL092656.D</u>			
CF 050 = <u>PL092657.D</u>		CF 025 = <u>PL092658.D</u>		CF 005 = <u>PL092659.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	1810270000	1801980000	1817980000	1967770000	2199620000	1919520000	9
4,4'-DDE	2254070000	2226390000	2230050000	2402470000	2732960000	2369190000	9
4,4'-DDT	1948940000	1933390000	1940720000	2113460000	2412250000	2069750000	10
Aldrin	2847480000	2802990000	2807290000	3047230000	3502400000	3001480000	10
alpha-BHC	3356530000	3271880000	3230400000	3397090000	3701950000	3391570000	5
alpha-Chlordane	2486640000	2469090000	2489960000	2701720000	3093310000	2648140000	10
beta-BHC	1343260000	1339050000	1368530000	1491800000	1684660000	1445460000	10
Decachlorobiphenyl	1738840000	1756630000	1819720000	1998760000	2308800000	1924550000	12
delta-BHC	3067660000	2980040000	2949010000	3119670000	3533000000	3129870000	8
Dieldrin	2486930000	2456960000	2476030000	2679410000	3078050000	2635480000	10
Endosulfan I	2320690000	2313950000	2348370000	2546170000	2977620000	2501360000	11
Endosulfan II	2159880000	2160930000	2205230000	2449960000	2943170000	2383830000	14
Endosulfan sulfate	1974140000	1979440000	2024740000	2239840000	2633550000	2170340000	13
Endrin	2111540000	2103000000	2121260000	2324460000	2723040000	2276660000	12
Endrin aldehyde	1712300000	1718280000	1758160000	1955910000	2245210000	1877970000	12
Endrin ketone	2253830000	2246660000	2273910000	2471090000	2868570000	2422810000	11
gamma-BHC (Lindane)	3198960000	3133030000	3104430000	3278360000	3583040000	3259560000	6
gamma-Chlordane	2496700000	2477960000	2491940000	2703470000	3133120000	2660640000	11
Heptachlor	2817300000	2795570000	2829220000	3064000000	3509480000	3003110000	10
Heptachlor epoxide	2536240000	2521530000	2566410000	2821600000	3361270000	2761410000	13
Methoxychlor	1040530000	1050870000	1078280000	1189160000	1341160000	1140000000	11
Tetrachloro-m-xylene	2319350000	2304070000	2328420000	2512350000	2786990000	2450240000	8

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

Instrument ID: ECD_L **Calibration Date(s):** 10/28/2024 10/28/2024
Calibration Times: 14:43 15:36

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

LAB FILE ID:		CF 100 =	PL092655.D	CF 075 =	PL092656.D		
CF 050 =		PL092657.D	CF 025 =	PL092658.D	CF 005 =	PL092659.D	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2614880000	2506250000	2443430000	2489210000	2396540000	2490060000	3
4,4'-DDE	3334990000	3225880000	3154950000	3209960000	3182260000	3221610000	2
4,4'-DDT	2797500000	2713050000	2637310000	2653690000	2609750000	2682260000	3
Aldrin	3840860000	3705070000	3619180000	3619340000	3516600000	3660210000	3
alpha-BHC	4282500000	4089170000	3973860000	3934480000	3670850000	3990170000	6
alpha-Chlordane	3409310000	3303380000	3254510000	3329310000	3333630000	3326030000	2
beta-BHC	1625150000	1594840000	1591160000	1661990000	1758110000	1646250000	4
Decachlorobiphenyl	2606810000	2575500000	2605540000	2793460000	3064890000	2729240000	8
delta-BHC	4088000000	3924730000	3802680000	3782230000	3618150000	3843150000	5
Dieldrin	3483370000	3364390000	3290100000	3303460000	3260200000	3340300000	3
Endosulfan I	3111480000	3032780000	2993580000	3072340000	3055530000	3053140000	1
Endosulfan II	2881520000	2813750000	2779930000	2861240000	2829950000	2833280000	1
Endosulfan sulfate	2707530000	2646200000	2623690000	2712350000	2794620000	2696880000	2
Endrin	2969490000	2878380000	2828080000	2876210000	2912860000	2893010000	2
Endrin aldehyde	2273700000	2244250000	2230130000	2333460000	2454860000	2307280000	4
Endrin ketone	3089790000	3023040000	3013060000	3097240000	3120850000	3068800000	2
gamma-BHC (Lindane)	4083950000	3934430000	3833920000	3828430000	3616530000	3859450000	4
gamma-Chlordane	3470230000	3355710000	3294030000	3342020000	3346470000	3361690000	2
Heptachlor	3876200000	3766580000	3709120000	3779090000	3738650000	3773930000	2
Heptachlor epoxide	3405420000	3318630000	3272090000	3352830000	3358060000	3341410000	1
Methoxychlor	1400820000	1385450000	1393920000	1470360000	1489590000	1428030000	3
Tetrachloro-m-xylene	2724750000	2661560000	2643180000	2728430000	2847900000	2721160000	3

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

Continuing Calib Date: 10/25/2024 Initial Calibration Date(s): 10/21/2024 10/21/2024

Continuing Calib Time: 15:49 Initial Calibration Time(s): 13:00 13:53

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	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	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.58	6.57	6.47	6.67	-0.01
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
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.65	7.64	7.54	7.74	-0.01
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

Continuing Calib Date: 10/25/2024 Initial Calibration Date(s): 10/21/2024 10/21/2024

Continuing Calib Time: 15:49 Initial Calibration Time(s): 13:00 13:53

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.23	5.13	5.33	-0.01
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00
Endrin ketone	6.84	6.84	6.74	6.94	0.00
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/21/2024 10/21/2024

Client Sample No.: CCAL01 Date Analyzed: 10/25/2024

Lab Sample No.: PSTDCCC050 Data File : PL092639.D Time Analyzed: 15:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.712	6.610	6.810	45.080	50.000	-9.8
4,4'-DDE	6.194	6.092	6.292	43.730	50.000	-12.5
4,4'-DDT	7.026	6.924	7.124	45.250	50.000	-9.5
Aldrin	5.259	5.157	5.357	44.540	50.000	-10.9
alpha-BHC	3.997	3.894	4.094	46.730	50.000	-6.5
alpha-Chlordane	6.021	5.918	6.118	44.250	50.000	-11.5
beta-BHC	4.527	4.424	4.624	51.520	50.000	3.0
Decachlorobiphenyl	9.057	8.955	9.155	51.240	50.000	2.5
delta-BHC	4.774	4.671	4.871	46.780	50.000	-6.4
Dieldrin	6.347	6.245	6.445	44.060	50.000	-11.9
Endosulfan I	6.071	5.969	6.169	44.900	50.000	-10.2
Endosulfan II	6.796	6.694	6.894	44.130	50.000	-11.7
Endosulfan sulfate	7.161	7.059	7.259	46.110	50.000	-7.8
Endrin	6.577	6.474	6.674	43.260	50.000	-13.5
Endrin aldehyde	6.926	6.824	7.024	47.780	50.000	-4.4
Endrin ketone	7.646	7.544	7.744	47.870	50.000	-4.3
gamma-BHC (Lindane)	4.330	4.227	4.427	47.880	50.000	-4.2
gamma-Chlordane	5.942	5.839	6.039	44.330	50.000	-11.3
Heptachlor	4.917	4.815	5.015	46.560	50.000	-6.9
Heptachlor epoxide	5.685	5.583	5.783	45.530	50.000	-8.9
Methoxychlor	7.501	7.400	7.600	51.890	50.000	3.8
Tetrachloro-m-xylene	3.541	3.438	3.638	50.750	50.000	1.5

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/21/2024 10/21/2024

Client Sample No.: CCAL01 Date Analyzed: 10/25/2024

Lab Sample No.: PSTDCCC050 Data File : PL092639.D Time Analyzed: 15:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.790	5.689	5.889	53.200	50.000	6.4
4,4'-DDE	5.236	5.134	5.334	54.690	50.000	9.4
4,4'-DDT	6.042	5.940	6.140	52.500	50.000	5.0
Aldrin	4.231	4.129	4.329	54.250	50.000	8.5
alpha-BHC	3.282	3.180	3.380	55.250	50.000	10.5
alpha-Chlordane	5.047	4.945	5.145	53.760	50.000	7.5
beta-BHC	3.912	3.810	4.010	54.050	50.000	8.1
Decachlorobiphenyl	7.918	7.817	8.017	58.290	50.000	16.6
delta-BHC	4.141	4.038	4.238	54.080	50.000	8.2
Dieldrin	5.368	5.266	5.466	53.240	50.000	6.5
Endosulfan I	5.103	5.001	5.201	54.670	50.000	9.3
Endosulfan II	5.937	5.836	6.036	52.390	50.000	4.8
Endosulfan sulfate	6.340	6.238	6.438	51.960	50.000	3.9
Endrin	5.643	5.541	5.741	53.930	50.000	7.9
Endrin aldehyde	6.118	6.016	6.216	53.070	50.000	6.1
Endrin ketone	6.844	6.744	6.944	55.890	50.000	11.8
gamma-BHC (Lindane)	3.612	3.510	3.710	55.850	50.000	11.7
gamma-Chlordane	4.984	4.881	5.081	52.600	50.000	5.2
Heptachlor	3.951	3.849	4.049	54.990	50.000	10.0
Heptachlor epoxide	4.734	4.631	4.831	54.980	50.000	10.0
Methoxychlor	6.617	6.515	6.715	57.220	50.000	14.4
Tetrachloro-m-xylene	2.779	2.677	2.877	56.350	50.000	12.7

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

Continuing Calib Date: 10/25/2024 Initial Calibration Date(s): 10/21/2024 10/21/2024

Continuing Calib Time: 19:49 Initial Calibration Time(s): 13:00 13:53

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	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	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.58	6.57	6.47	6.67	-0.01
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
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.65	7.64	7.54	7.74	0.00
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

Continuing Calib Date: 10/25/2024 Initial Calibration Date(s): 10/21/2024 10/21/2024

Continuing Calib Time: 19:49 Initial Calibration Time(s): 13:00 13:53

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.23	5.13	5.33	-0.01
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00
Endrin ketone	6.84	6.84	6.74	6.94	0.00
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/21/2024 10/21/2024

Client Sample No.: CCAL02 Date Analyzed: 10/25/2024

Lab Sample No.: PSTDCCC050 Data File : PL092650.D Time Analyzed: 19:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.712	6.610	6.810	44.010	50.000	-12.0
4,4'-DDE	6.194	6.092	6.292	42.640	50.000	-14.7
4,4'-DDT	7.026	6.924	7.124	43.180	50.000	-13.6
Aldrin	5.259	5.157	5.357	43.070	50.000	-13.9
alpha-BHC	3.997	3.894	4.094	45.620	50.000	-8.8
alpha-Chlordane	6.022	5.918	6.118	42.360	50.000	-15.3
beta-BHC	4.527	4.424	4.624	50.200	50.000	0.4
Decachlorobiphenyl	9.058	8.955	9.155	49.750	50.000	-0.5
delta-BHC	4.774	4.671	4.871	45.630	50.000	-8.7
Dieldrin	6.347	6.245	6.445	42.770	50.000	-14.5
Endosulfan I	6.072	5.969	6.169	43.010	50.000	-14.0
Endosulfan II	6.796	6.694	6.894	42.720	50.000	-14.6
Endosulfan sulfate	7.160	7.059	7.259	44.580	50.000	-10.8
Endrin	6.577	6.474	6.674	41.530	50.000	-16.9
Endrin aldehyde	6.926	6.824	7.024	46.460	50.000	-7.1
Endrin ketone	7.645	7.544	7.744	46.460	50.000	-7.1
gamma-BHC (Lindane)	4.330	4.227	4.427	46.750	50.000	-6.5
gamma-Chlordane	5.942	5.839	6.039	42.060	50.000	-15.9
Heptachlor	4.918	4.815	5.015	45.090	50.000	-9.8
Heptachlor epoxide	5.686	5.583	5.783	43.960	50.000	-12.1
Methoxychlor	7.501	7.400	7.600	49.670	50.000	-0.7
Tetrachloro-m-xylene	3.541	3.438	3.638	49.590	50.000	-0.8

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/21/2024 10/21/2024

Client Sample No.: CCAL02 Date Analyzed: 10/25/2024

Lab Sample No.: PSTDCCC050 Data File : PL092650.D Time Analyzed: 19:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.791	5.689	5.889	52.160	50.000	4.3
4,4'-DDE	5.236	5.134	5.334	52.950	50.000	5.9
4,4'-DDT	6.041	5.940	6.140	49.480	50.000	-1.0
Aldrin	4.231	4.129	4.329	53.310	50.000	6.6
alpha-BHC	3.282	3.180	3.380	53.910	50.000	7.8
alpha-Chlordane	5.048	4.945	5.145	52.920	50.000	5.8
beta-BHC	3.912	3.810	4.010	53.160	50.000	6.3
Decachlorobiphenyl	7.918	7.817	8.017	54.870	50.000	9.7
delta-BHC	4.141	4.038	4.238	53.140	50.000	6.3
Dieldrin	5.368	5.266	5.466	51.770	50.000	3.5
Endosulfan I	5.104	5.001	5.201	53.580	50.000	7.2
Endosulfan II	5.937	5.836	6.036	50.460	50.000	0.9
Endosulfan sulfate	6.340	6.238	6.438	49.980	50.000	0.0
Endrin	5.644	5.541	5.741	51.490	50.000	3.0
Endrin aldehyde	6.117	6.016	6.216	51.170	50.000	2.3
Endrin ketone	6.844	6.744	6.944	53.810	50.000	7.6
gamma-BHC (Lindane)	3.612	3.510	3.710	54.770	50.000	9.5
gamma-Chlordane	4.984	4.881	5.081	52.070	50.000	4.1
Heptachlor	3.951	3.849	4.049	53.610	50.000	7.2
Heptachlor epoxide	4.734	4.631	4.831	54.180	50.000	8.4
Methoxychlor	6.617	6.515	6.715	53.570	50.000	7.1
Tetrachloro-m-xylene	2.779	2.677	2.877	55.300	50.000	10.6

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

Continuing Calib Date: 11/04/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 09:09 Initial Calibration Time(s): 14:43 15:36

GC Column: ZB-MR2 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
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.78	4.77	4.67	4.87	-0.01
gamma-BHC (Lindane)	4.34	4.33	4.23	4.43	-0.01
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.27	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.08	6.07	5.97	6.17	-0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.72	6.71	6.61	6.81	-0.01
Endosulfan sulfate	7.17	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.51	7.50	7.40	7.60	-0.01
Endrin ketone	7.65	7.64	7.54	7.74	-0.01
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.03	6.02	5.92	6.12	-0.01
gamma-Chlordane	5.95	5.94	5.84	6.04	-0.01

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

Continuing Calib Date: 11/04/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 09:09 Initial Calibration Time(s): 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.24	5.14	5.34	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00
Endrin ketone	6.85	6.84	6.74	6.94	0.00
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No.: CCAL03 Date Analyzed: 11/04/2024

Lab Sample No.: PSTDCCC050 Data File : PL092817.D Time Analyzed: 09:09

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.716	6.610	6.810	48.080	50.000	-3.8
4,4'-DDE	6.199	6.093	6.293	47.590	50.000	-4.8
4,4'-DDT	7.030	6.923	7.123	46.150	50.000	-7.7
Aldrin	5.265	5.158	5.358	48.280	50.000	-3.4
alpha-BHC	4.003	3.896	4.096	49.340	50.000	-1.3
alpha-Chlordane	6.026	5.919	6.119	47.760	50.000	-4.5
beta-BHC	4.532	4.425	4.625	48.750	50.000	-2.5
Decachlorobiphenyl	9.061	8.954	9.154	47.130	50.000	-5.7
delta-BHC	4.780	4.672	4.872	48.710	50.000	-2.6
Dieldrin	6.351	6.245	6.445	46.950	50.000	-6.1
Endosulfan I	6.076	5.970	6.170	47.320	50.000	-5.4
Endosulfan II	6.800	6.694	6.894	46.160	50.000	-7.7
Endosulfan sulfate	7.165	7.058	7.258	46.480	50.000	-7.0
Endrin	6.581	6.474	6.674	45.470	50.000	-9.1
Endrin aldehyde	6.930	6.824	7.024	46.310	50.000	-7.4
Endrin ketone	7.649	7.543	7.743	46.020	50.000	-8.0
gamma-BHC (Lindane)	4.335	4.228	4.428	49.020	50.000	-2.0
gamma-Chlordane	5.947	5.841	6.041	47.700	50.000	-4.6
Heptachlor	4.923	4.817	5.017	47.590	50.000	-4.8
Heptachlor epoxide	5.691	5.584	5.784	47.660	50.000	-4.7
Methoxychlor	7.505	7.399	7.599	46.150	50.000	-7.7
Tetrachloro-m-xylene	3.547	3.440	3.640	49.530	50.000	-0.9

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No.: CCAL03 Date Analyzed: 11/04/2024

Lab Sample No.: PSTDCCC050 Data File : PL092817.D Time Analyzed: 09:09

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.791	5.689	5.889	53.140	50.000	6.3
4,4'-DDE	5.236	5.135	5.335	52.480	50.000	5.0
4,4'-DDT	6.041	5.940	6.140	50.720	50.000	1.4
Aldrin	4.231	4.129	4.329	53.260	50.000	6.5
alpha-BHC	3.282	3.181	3.381	53.250	50.000	6.5
alpha-Chlordane	5.048	4.945	5.145	52.350	50.000	4.7
beta-BHC	3.912	3.810	4.010	51.870	50.000	3.7
Decachlorobiphenyl	7.918	7.816	8.016	48.500	50.000	-3.0
delta-BHC	4.141	4.039	4.239	52.700	50.000	5.4
Dieldrin	5.368	5.266	5.466	53.190	50.000	6.4
Endosulfan I	5.104	5.002	5.202	52.400	50.000	4.8
Endosulfan II	5.938	5.836	6.036	52.790	50.000	5.6
Endosulfan sulfate	6.340	6.238	6.438	50.980	50.000	2.0
Endrin	5.643	5.541	5.741	52.510	50.000	5.0
Endrin aldehyde	6.117	6.015	6.215	50.930	50.000	1.9
Endrin ketone	6.845	6.743	6.943	51.500	50.000	3.0
gamma-BHC (Lindane)	3.612	3.511	3.711	53.130	50.000	6.3
gamma-Chlordane	4.984	4.882	5.082	52.800	50.000	5.6
Heptachlor	3.952	3.849	4.049	51.750	50.000	3.5
Heptachlor epoxide	4.734	4.632	4.832	52.600	50.000	5.2
Methoxychlor	6.616	6.515	6.715	46.910	50.000	-6.2
Tetrachloro-m-xylene	2.779	2.678	2.878	52.180	50.000	4.4

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

Continuing Calib Date: 11/04/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 18:11 Initial Calibration Time(s): 14:43 15:36

GC Column: ZB-MR2 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	4.00	3.90	4.10	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.78	4.77	4.67	4.87	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.58	6.57	6.47	6.67	-0.01
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
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.65	7.64	7.54	7.74	0.00
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

Continuing Calib Date: 11/04/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 18:11 Initial Calibration Time(s): 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.24	5.14	5.34	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.01
Endrin ketone	6.84	6.84	6.74	6.94	0.00
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No.: CCAL04 Date Analyzed: 11/04/2024

Lab Sample No.: PSTDCCC050 Data File : PL092839.D Time Analyzed: 18:11

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.711	6.610	6.810	50.970	50.000	1.9
4,4'-DDE	6.194	6.093	6.293	49.480	50.000	-1.0
4,4'-DDT	7.026	6.923	7.123	45.210	50.000	-9.6
Aldrin	5.260	5.158	5.358	49.590	50.000	-0.8
alpha-BHC	3.998	3.896	4.096	51.240	50.000	2.5
alpha-Chlordane	6.021	5.919	6.119	49.160	50.000	-1.7
beta-BHC	4.528	4.425	4.625	50.710	50.000	1.4
Decachlorobiphenyl	9.056	8.954	9.154	48.380	50.000	-3.2
delta-BHC	4.775	4.672	4.872	50.640	50.000	1.3
Dieldrin	6.346	6.245	6.445	48.600	50.000	-2.8
Endosulfan I	6.072	5.970	6.170	48.830	50.000	-2.3
Endosulfan II	6.795	6.694	6.894	46.990	50.000	-6.0
Endosulfan sulfate	7.160	7.058	7.258	47.390	50.000	-5.2
Endrin	6.576	6.474	6.674	46.360	50.000	-7.3
Endrin aldehyde	6.926	6.824	7.024	47.830	50.000	-4.3
Endrin ketone	7.645	7.543	7.743	48.350	50.000	-3.3
gamma-BHC (Lindane)	4.330	4.228	4.428	50.830	50.000	1.7
gamma-Chlordane	5.942	5.841	6.041	49.270	50.000	-1.5
Heptachlor	4.919	4.817	5.017	49.200	50.000	-1.6
Heptachlor epoxide	5.686	5.584	5.784	48.950	50.000	-2.1
Methoxychlor	7.501	7.399	7.599	45.600	50.000	-8.8
Tetrachloro-m-xylene	3.542	3.440	3.640	50.840	50.000	1.7

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No.: CCAL04 Date Analyzed: 11/04/2024

Lab Sample No.: PSTDCCC050 Data File : PL092839.D Time Analyzed: 18:11

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.790	5.689	5.889	58.060	50.000	16.1
4,4'-DDE	5.235	5.135	5.335	55.730	50.000	11.5
4,4'-DDT	6.040	5.940	6.140	50.810	50.000	1.6
Aldrin	4.230	4.129	4.329	56.250	50.000	12.5
alpha-BHC	3.281	3.181	3.381	56.490	50.000	13.0
alpha-Chlordane	5.046	4.945	5.145	55.430	50.000	10.9
beta-BHC	3.911	3.810	4.010	54.720	50.000	9.4
Decachlorobiphenyl	7.917	7.816	8.016	49.000	50.000	-2.0
delta-BHC	4.140	4.039	4.239	56.170	50.000	12.3
Dieldrin	5.366	5.266	5.466	55.840	50.000	11.7
Endosulfan I	5.102	5.002	5.202	55.360	50.000	10.7
Endosulfan II	5.936	5.836	6.036	54.510	50.000	9.0
Endosulfan sulfate	6.338	6.238	6.438	53.770	50.000	7.5
Endrin	5.642	5.541	5.741	54.280	50.000	8.6
Endrin aldehyde	6.116	6.015	6.215	53.210	50.000	6.4
Endrin ketone	6.844	6.743	6.943	54.600	50.000	9.2
gamma-BHC (Lindane)	3.611	3.511	3.711	56.260	50.000	12.5
gamma-Chlordane	4.982	4.882	5.082	55.530	50.000	11.1
Heptachlor	3.950	3.849	4.049	54.880	50.000	9.8
Heptachlor epoxide	4.732	4.632	4.832	55.470	50.000	10.9
Methoxychlor	6.615	6.515	6.715	49.110	50.000	-1.8
Tetrachloro-m-xylene	2.779	2.678	2.878	54.940	50.000	9.9

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **CHEM02**

Lab Code: **CHEM** Case No.: **P4495** SAS No.: **P4495** SDG NO.: **P4495**

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **10/21/2024** **10/21/2024**

Client Sample No. (PEM): **PEM - PL092495.D** Date Analyzed: **10/21/2024**

Lab Sample No.(PEM): **PEM** Time Analyzed: **12:33**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.056	8.960	9.160	19.690	20.000	-1.6
Tetrachloro-m-xylene	3.539	3.490	3.590	19.690	20.000	-1.6
alpha-BHC	3.995	3.940	4.050	10.390	10.000	3.9
beta-BHC	4.525	4.470	4.580	9.750	10.000	-2.5
gamma-BHC (Lindane)	4.327	4.280	4.380	9.890	10.000	-1.1
Endrin	6.575	6.500	6.650	44.220	50.000	-11.6
4,4'-DDT	7.025	6.950	7.100	91.010	100.000	-9.0
Methoxychlor	7.501	7.430	7.570	222.860	250.000	-10.9

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **10/21/2024** **10/21/2024**

Client Sample No. (PEM): **PEM - PL092495.D** Date Analyzed: **10/21/2024**

Lab Sample No.(PEM): **PEM** Time Analyzed: **12:33**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.918	7.820	8.020	19.360	20.000	-3.2
Tetrachloro-m-xylene	2.777	2.730	2.830	19.090	20.000	-4.6
alpha-BHC	3.280	3.230	3.330	9.580	10.000	-4.2
beta-BHC	3.910	3.860	3.960	11.410	10.000	14.1
gamma-BHC (Lindane)	3.610	3.560	3.660	9.570	10.000	-4.3
Endrin	5.642	5.570	5.710	45.220	50.000	-9.6
4,4'-DDT	6.041	5.970	6.110	97.030	100.000	-3.0
Methoxychlor	6.616	6.550	6.690	226.150	250.000	-9.5

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/21/2024 10/21/2024

Client Sample No. (PEM): PEM - PL092638.D Date Analyzed: 10/25/2024

Lab Sample No.(PEM): PEM Time Analyzed: 15:22

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.059	8.960	9.160	19.520	20.000	-2.4
Tetrachloro-m-xylene	3.542	3.490	3.590	18.900	20.000	-5.5
alpha-BHC	3.998	3.950	4.050	8.890	10.000	-11.1
beta-BHC	4.528	4.480	4.580	10.650	10.000	6.5
gamma-BHC (Lindane)	4.330	4.280	4.380	8.960	10.000	-10.4
Endrin	6.576	6.510	6.650	36.770	50.000	-26.5
4,4'-DDT	7.027	6.960	7.100	77.380	100.000	-22.6
Methoxychlor	7.503	7.430	7.570	208.950	250.000	-16.4

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/21/2024 10/21/2024

Client Sample No. (PEM): PEM - PL092638.D Date Analyzed: 10/25/2024

Lab Sample No.(PEM): PEM Time Analyzed: 15:22

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.919	7.820	8.020	21.610	20.000	8.1
Tetrachloro-m-xylene	2.781	2.730	2.830	19.830	20.000	-0.9
alpha-BHC	3.283	3.230	3.330	9.010	10.000	-9.9
beta-BHC	3.913	3.860	3.960	10.290	10.000	2.9
gamma-BHC (Lindane)	3.613	3.560	3.660	8.840	10.000	-11.6
Endrin	5.644	5.570	5.710	44.220	50.000	-11.6
4,4'-DDT	6.042	5.970	6.110	99.500	100.000	-0.5
Methoxychlor	6.617	6.550	6.690	246.500	250.000	-1.4

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG NO.: P4495

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092653.D Date Analyzed: 10/28/2024

Lab Sample No.(PEM): PEM Time Analyzed: 14:16

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.059	8.960	9.160	19.970	20.000	-0.2
Tetrachloro-m-xylene	3.546	3.500	3.600	19.290	20.000	-3.6
alpha-BHC	4.001	3.950	4.050	9.920	10.000	-0.8
beta-BHC	4.531	4.480	4.580	10.060	10.000	0.6
gamma-BHC (Lindane)	4.334	4.280	4.380	9.660	10.000	-3.4
Endrin	6.580	6.510	6.650	41.060	50.000	-17.9
4,4'-DDT	7.030	6.960	7.100	88.060	100.000	-11.9
Methoxychlor	7.505	7.430	7.580	204.090	250.000	-18.4

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092653.D Date Analyzed: 10/28/2024

Lab Sample No.(PEM): PEM Time Analyzed: 14:16

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.918	7.820	8.020	19.080	20.000	-4.6
Tetrachloro-m-xylene	2.778	2.730	2.830	18.500	20.000	-7.5
alpha-BHC	3.281	3.230	3.330	8.630	10.000	-13.7
beta-BHC	3.911	3.860	3.960	9.760	10.000	-2.4
gamma-BHC (Lindane)	3.611	3.560	3.660	8.390	10.000	-16.1
Endrin	5.643	5.570	5.710	44.130	50.000	-11.7
4,4'-DDT	6.042	5.970	6.110	98.070	100.000	-1.9
Methoxychlor	6.616	6.550	6.690	225.800	250.000	-9.7

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM **Case No.:** P4495 **SAS No.:** P4495 **SDG NO.:** P4495

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092816.D **Date Analyzed:** 11/04/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 08:48

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.056	8.960	9.160	20.030	20.000	0.2
Tetrachloro-m-xylene	3.542	3.490	3.590	20.980	20.000	4.9
alpha-BHC	3.997	3.950	4.050	10.770	10.000	7.7
beta-BHC	4.527	4.480	4.580	11.200	10.000	12.0
gamma-BHC (Lindane)	4.330	4.280	4.380	10.570	10.000	5.7
Endrin	6.576	6.510	6.650	41.750	50.000	-16.5
4,4'-DDT	7.026	6.960	7.100	86.870	100.000	-13.1
Methoxychlor	7.502	7.430	7.570	198.210	250.000	-20.7

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092816.D **Date Analyzed:** 11/04/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 08:48

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.915	7.810	8.020	19.240	20.000	-3.8
Tetrachloro-m-xylene	2.779	2.730	2.830	20.900	20.000	4.5
alpha-BHC	3.281	3.230	3.330	9.890	10.000	-1.1
beta-BHC	3.911	3.860	3.960	11.070	10.000	10.7
gamma-BHC (Lindane)	3.611	3.560	3.660	9.580	10.000	-4.2
Endrin	5.642	5.570	5.710	49.110	50.000	-1.8
4,4'-DDT	6.040	5.970	6.110	104.550	100.000	4.6
Methoxychlor	6.615	6.540	6.690	217.570	250.000	-13.0

Analytical Sequence

Client: Chemtech Consulting Group

SDG No.: P4495

Project: NJ Soil PT

Instrument ID: ECD_L

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 10/21/2024

10/21/2024

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	10/21/2024	12:19	PL092494.D	9.06	3.54
PEM	PEM	10/21/2024	12:33	PL092495.D	9.06	3.54
RESCHK	RESCHK	10/21/2024	12:46	PL092496.D	9.06	3.54
PSTDICCC100	PSTDICCC100	10/21/2024	13:00	PL092497.D	9.06	3.54
PSTDICCC075	PSTDICCC075	10/21/2024	13:13	PL092498.D	9.06	3.54
PSTDICCC050	PSTDICCC050	10/21/2024	13:26	PL092499.D	9.06	3.54
PSTDICCC025	PSTDICCC025	10/21/2024	13:40	PL092500.D	9.05	3.54
PSTDICCC005	PSTDICCC005	10/21/2024	13:53	PL092501.D	9.06	3.54
PCHLORICC500	PCHLORICC500	10/21/2024	14:33	PL092504.D	9.06	3.54
PTOXICC500	PTOXICC500	10/21/2024	15:40	PL092509.D	9.06	3.54
IBLK	IBLK	10/25/2024	15:08	PL092637.D	9.06	3.54
PEM	PEM	10/25/2024	15:22	PL092638.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/25/2024	15:49	PL092639.D	9.06	3.54
PB164398BL	PB164398BL	10/25/2024	16:46	PL092640.D	9.06	3.55
PB164398BS	PB164398BS	10/25/2024	16:59	PL092641.D	9.06	3.54
BP-F-20MS	P4547-05MS	10/25/2024	18:42	PL092647.D	9.06	3.54
BP-F-20MSD	P4547-05MSD	10/25/2024	18:56	PL092648.D	9.06	3.54
IBLK	IBLK	10/25/2024	19:09	PL092649.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/25/2024	19:49	PL092650.D	9.06	3.54
IBLK	IBLK	10/28/2024	13:55	PL092652.D	9.05	3.54
PEM	PEM	10/28/2024	14:16	PL092653.D	9.06	3.55
RESCHK	RESCHK	10/28/2024	14:29	PL092654.D	9.05	3.54
PSTDICCC100	PSTDICCC100	10/28/2024	14:43	PL092655.D	9.05	3.54
PSTDICCC075	PSTDICCC075	10/28/2024	14:56	PL092656.D	9.05	3.54
PSTDICCC050	PSTDICCC050	10/28/2024	15:09	PL092657.D	9.05	3.54
PSTDICCC025	PSTDICCC025	10/28/2024	15:23	PL092658.D	9.05	3.54
PSTDICCC005	PSTDICCC005	10/28/2024	15:36	PL092659.D	9.05	3.54
PCHLORICC500	PCHLORICC500	10/28/2024	16:16	PL092662.D	9.06	3.54
PTOXICC500	PTOXICC500	10/28/2024	17:23	PL092667.D	9.05	3.54
IBLK	IBLK	11/04/2024	08:34	PL092815.D	9.06	3.54
PEM	PEM	11/04/2024	08:48	PL092816.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/04/2024	09:09	PL092817.D	9.06	3.55
PT-PEST-SOIL	P4495-20	11/04/2024	11:12	PL092818.D	9.06	3.55
PT-PEST-SOILDL	P4495-20DL	11/04/2024	11:26	PL092819.D	9.06	3.54
PT-PEST-SOILDL2	P4495-20DL2	11/04/2024	11:39	PL092820.D	9.06	3.54
IBLK	IBLK	11/04/2024	17:57	PL092838.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/04/2024	18:11	PL092839.D	9.06	3.54

Analytical Sequence

Client: Chemtech Consulting Group

SDG No.: P4495

Project: NJ Soil PT

Instrument ID: ECD_L

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 10/21/2024

10/21/2024

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	10/21/2024	12:19	PL092494.D	7.92	2.78
PEM	PEM	10/21/2024	12:33	PL092495.D	7.92	2.78
RESCHK	RESCHK	10/21/2024	12:46	PL092496.D	7.92	2.78
PSTDICC100	PSTDICC100	10/21/2024	13:00	PL092497.D	7.92	2.78
PSTDICC075	PSTDICC075	10/21/2024	13:13	PL092498.D	7.92	2.78
PSTDICC050	PSTDICC050	10/21/2024	13:26	PL092499.D	7.92	2.78
PSTDICC025	PSTDICC025	10/21/2024	13:40	PL092500.D	7.92	2.78
PSTDICC005	PSTDICC005	10/21/2024	13:53	PL092501.D	7.92	2.78
PCHLORICC500	PCHLORICC500	10/21/2024	14:33	PL092504.D	7.92	2.78
PTOXICC500	PTOXICC500	10/21/2024	15:40	PL092509.D	7.92	2.78
IBLK	IBLK	10/25/2024	15:08	PL092637.D	7.92	2.78
PEM	PEM	10/25/2024	15:22	PL092638.D	7.92	2.78
PSTDCCC050	PSTDCCC050	10/25/2024	15:49	PL092639.D	7.92	2.78
PB164398BL	PB164398BL	10/25/2024	16:46	PL092640.D	7.92	2.78
PB164398BS	PB164398BS	10/25/2024	16:59	PL092641.D	7.92	2.78
BP-F-20MS	P4547-05MS	10/25/2024	18:42	PL092647.D	7.92	2.78
BP-F-20MSD	P4547-05MSD	10/25/2024	18:56	PL092648.D	7.92	2.78
IBLK	IBLK	10/25/2024	19:09	PL092649.D	7.92	2.78
PSTDCCC050	PSTDCCC050	10/25/2024	19:49	PL092650.D	7.92	2.78
IBLK	IBLK	10/28/2024	13:55	PL092652.D	7.92	2.78
PEM	PEM	10/28/2024	14:16	PL092653.D	7.92	2.78
RESCHK	RESCHK	10/28/2024	14:29	PL092654.D	7.92	2.78
PSTDICC100	PSTDICC100	10/28/2024	14:43	PL092655.D	7.92	2.78
PSTDICC075	PSTDICC075	10/28/2024	14:56	PL092656.D	7.92	2.78
PSTDICC050	PSTDICC050	10/28/2024	15:09	PL092657.D	7.92	2.78
PSTDICC025	PSTDICC025	10/28/2024	15:23	PL092658.D	7.92	2.78
PSTDICC005	PSTDICC005	10/28/2024	15:36	PL092659.D	7.92	2.78
PCHLORICC500	PCHLORICC500	10/28/2024	16:16	PL092662.D	7.92	2.78
PTOXICC500	PTOXICC500	10/28/2024	17:23	PL092667.D	7.92	2.78
IBLK	IBLK	11/04/2024	08:34	PL092815.D	7.92	2.78
PEM	PEM	11/04/2024	08:48	PL092816.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/04/2024	09:09	PL092817.D	7.92	2.78
PT-PEST-SOIL	P4495-20	11/04/2024	11:12	PL092818.D	7.92	2.78
PT-PEST-SOILDL	P4495-20DL	11/04/2024	11:26	PL092819.D	7.92	2.78
PT-PEST-SOILDL2	P4495-20DL2	11/04/2024	11:39	PL092820.D	7.92	2.78
IBLK	IBLK	11/04/2024	17:57	PL092838.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/04/2024	18:11	PL092839.D	7.92	2.78

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

BP-F-20MS

Contract: CHEM02

Lab Code: CHEM

Case No.: P4495

SAS No.: P4495

SDG NO.: P4495

Lab Sample ID: P4547-05MS

Date(s) Analyzed: 10/25/2024

10/25/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.71	6.66	6.76	14.9	8.4
	2	5.79	5.74	5.84	16.2	
4,4'-DDT	1	7.03	6.98	7.08	14.8	9
	2	6.04	5.99	6.09	16.2	
alpha-BHC	1	4.00	3.95	4.05	14.9	14.9
	2	3.28	3.23	3.33	17.3	
Aldrin	1	5.26	5.21	5.31	14.4	14.2
	2	4.23	4.18	4.28	16.6	
beta-BHC	1	4.53	4.48	4.58	16.8	5.2
	2	3.91	3.86	3.96	17.7	
alpha-Chlordane	1	6.02	5.97	6.07	14.5	19.9
	2	5.05	5.00	5.10	17.7	
4,4'-DDE	1	6.19	6.14	6.24	14.4	18.9
	2	5.24	5.19	5.29	17.4	
Endosulfan II	1	6.80	6.75	6.85	14.8	9.6
	2	5.94	5.89	5.99	16.3	
Endrin aldehyde	1	6.93	6.88	6.98	14.9	7.7
	2	6.12	6.07	6.17	16.1	
Endosulfan sulfate	1	7.16	7.11	7.21	15.2	5.1
	2	6.34	6.29	6.39	16.0	
Methoxychlor	1	7.50	7.45	7.55	16.7	1.2
	2	6.62	6.57	6.67	16.9	
Endrin ketone	1	7.65	7.60	7.70	15.4	7.5
	2	6.85	6.80	6.90	16.6	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	14.9	13.8
	2	3.61	3.56	3.66	17.1	
Heptachlor	1	4.92	4.87	4.97	15.2	15.8
	2	3.95	3.90	4.00	17.8	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

BP-F-20MS

Contract: CHEM02

Lab Code: CHEM

Case No.: P4495

SAS No.: P4495

SDG NO.: P4495

Lab Sample ID: P4547-05MS

Date(s) Analyzed: 10/25/2024

10/25/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
delta-BHC	1	4.77	4.72	4.82	14.5	12.3
	2	4.14	4.09	4.19	16.4	
Heptachlor epoxide	1	5.69	5.64	5.74	14.5	16.5
	2	4.73	4.68	4.78	17.1	
Endosulfan I	1	6.07	6.02	6.12	14.6	20.3
	2	5.10	5.05	5.15	17.9	
gamma-Chlordane	1	5.94	5.89	5.99	14.5	17
	2	4.98	4.93	5.03	17.2	
Dieldrin	1	6.35	6.30	6.40	14.4	14.2
	2	5.37	5.32	5.42	16.6	
Endrin	1	6.58	6.53	6.63	13.7	16.1
	2	5.64	5.59	5.69	16.1	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

BP-F-20MSD

Contract: CHEM02

Lab Code: CHEM

Case No.: P4495

SAS No.: P4495

SDG NO.: P4495

Lab Sample ID: P4547-05MSD

Date(s) Analyzed: 10/25/2024

10/25/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.80	6.75	6.85	14.5	14.7
	2	5.94	5.89	5.99	16.8	
4,4'-DDD	1	6.71	6.66	6.76	14.7	14.5
	2	5.79	5.74	5.84	17.0	
4,4'-DDT	1	7.03	6.98	7.08	14.9	10.8
	2	6.04	5.99	6.09	16.6	
Endrin aldehyde	1	6.93	6.88	6.98	14.8	8.4
	2	6.12	6.07	6.17	16.1	
Endosulfan sulfate	1	7.16	7.11	7.21	15.0	10.7
	2	6.34	6.29	6.39	16.7	
Methoxychlor	1	7.50	7.45	7.55	16.7	7.5
	2	6.62	6.57	6.67	18.0	
Endrin ketone	1	7.65	7.60	7.70	15.5	8
	2	6.85	6.80	6.90	16.8	
alpha-BHC	1	4.00	3.95	4.05	14.6	16.9
	2	3.28	3.23	3.33	17.3	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	14.7	15.7
	2	3.61	3.56	3.66	17.2	
Heptachlor	1	4.92	4.87	4.97	15.1	17.5
	2	3.95	3.90	4.00	18.0	
Aldrin	1	5.26	5.21	5.31	13.9	18.9
	2	4.23	4.18	4.28	16.8	
beta-BHC	1	4.53	4.48	4.58	16.4	8.7
	2	3.91	3.86	3.96	17.9	
delta-BHC	1	4.77	4.72	4.82	14.4	14.2
	2	4.14	4.09	4.19	16.6	
Heptachlor epoxide	1	5.69	5.64	5.74	14.3	19.6
	2	4.73	4.68	4.78	17.4	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

BP-F-20MSD

Contract: CHEM02

Lab Code: CHEM Case No.: P4495

SAS No.: P4495 SDG NO.: P4495

Lab Sample ID: P4547-05MSD

Date(s) Analyzed: 10/25/2024 10/25/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan I	1	6.07	6.02	6.12	14.5	21
	2	5.10	5.05	5.15	17.9	
gamma-Chlordane	1	5.94	5.89	5.99	14.3	18.4
	2	4.98	4.93	5.03	17.2	
alpha-Chlordane	1	6.02	5.97	6.07	14.4	18.9
	2	5.05	5.00	5.10	17.4	
4,4'-DDE	1	6.19	6.14	6.24	14.3	20.7
	2	5.24	5.19	5.29	17.6	
Dieldrin	1	6.35	6.30	6.40	14.1	19.2
	2	5.37	5.32	5.42	17.1	
Endrin	1	6.58	6.53	6.63	13.8	21.9
	2	5.64	5.59	5.69	17.2	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164398BS

Contract: CHEM02

Lab Code: CHEM

Case No.: P4495

SAS No.: P4495

SDG NO.: P4495

Lab Sample ID: PB164398BS

Date(s) Analyzed: 10/25/2024

10/25/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.80	6.75	6.85	14.0	15.2
	2	5.94	5.89	5.99	16.3	
4,4'-DDD	1	6.71	6.66	6.76	14.2	15.6
	2	5.79	5.74	5.84	16.6	
4,4'-DDT	1	7.03	6.98	7.08	14.3	11.8
	2	6.04	5.99	6.09	16.1	
Endrin aldehyde	1	6.93	6.88	6.98	14.8	11.5
	2	6.12	6.07	6.17	16.6	
Endosulfan sulfate	1	7.16	7.11	7.21	14.6	11
	2	6.34	6.29	6.39	16.3	
Methoxychlor	1	7.50	7.45	7.55	16.5	7.6
	2	6.62	6.57	6.67	17.8	
Endrin ketone	1	7.65	7.60	7.70	15.1	13
	2	6.85	6.80	6.90	17.2	
alpha-BHC	1	4.00	3.95	4.05	13.8	16
	2	3.28	3.23	3.33	16.2	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	14.3	13.7
	2	3.61	3.56	3.66	16.4	
Heptachlor	1	4.92	4.87	4.97	14.3	15.5
	2	3.95	3.90	4.00	16.7	
Aldrin	1	5.26	5.21	5.31	13.6	18.1
	2	4.23	4.18	4.28	16.3	
beta-BHC	1	4.53	4.48	4.58	15.7	6.2
	2	3.91	3.86	3.96	16.7	
delta-BHC	1	4.77	4.72	4.82	14.3	12.5
	2	4.14	4.09	4.19	16.2	
Heptachlor epoxide	1	5.69	5.64	5.74	14.1	18.6
	2	4.73	4.68	4.78	17.0	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164398BS

Contract: CHEM02

Lab Code: CHEM Case No.: P4495

SAS No.: P4495 SDG NO.: P4495

Lab Sample ID: PB164398BS

Date(s) Analyzed: 10/25/2024 10/25/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan I	1	6.07	6.02	6.12	13.9	21.2
	2	5.10	5.05	5.15	17.2	
gamma-Chlordane	1	5.94	5.89	5.99	13.8	17.2
	2	4.98	4.93	5.03	16.4	
alpha-Chlordane	1	6.02	5.97	6.07	13.8	19
	2	5.05	5.00	5.10	16.7	
4,4'-DDE	1	6.20	6.15	6.25	13.8	19.6
	2	5.24	5.19	5.29	16.8	
Dieldrin	1	6.35	6.30	6.40	13.8	17.2
	2	5.37	5.32	5.42	16.4	
Endrin	1	6.58	6.53	6.63	13.6	16.8
	2	5.64	5.59	5.69	16.1	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PT-PEST-SOIL

Contract: CHEM02

Lab Code: CHEM

Case No.: P4495

SAS No.: P4495

SDG NO.: P4495

Lab Sample ID: P4495-20

Date(s) Analyzed: 11/04/2024

11/04/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.72	6.67	6.77	180	15.9
	2	5.79	5.74	5.84	211	
4,4'-DDE	1	6.20	6.15	6.25	292	11
	2	5.24	5.19	5.29	326	
4,4'-DDT	1	7.03	6.98	7.08	84.9	22.1
	2	6.04	5.99	6.09	106	
alpha-BHC	1	4.01	3.96	4.06	208	5.2
	2	3.28	3.23	3.33	219	
Aldrin	1	5.27	5.22	5.32	81.0	13.7
	2	4.23	4.18	4.28	92.9	
alpha-Chlordane	1	6.03	5.98	6.08	68.0	15.8
	2	5.05	5.00	5.10	79.7	
Endosulfan II	1	6.80	6.75	6.85	129	18.9
	2	5.94	5.89	5.99	156	
Endosulfan sulfate	1	7.17	7.12	7.22	46.7	16.5
	2	6.34	6.29	6.39	55.1	
beta-BHC	1	4.54	4.49	4.59	237	13.8
	2	3.91	3.86	3.96	272	
delta-BHC	1	4.78	4.73	4.83	263	3.7
	2	4.14	4.09	4.19	273	
Endosulfan I	1	6.08	6.03	6.13	34.2	12.3
	2	5.10	5.05	5.15	38.7	
Dieldrin	1	6.35	6.30	6.40	288	9
	2	5.37	5.32	5.42	315	
Endrin aldehyde	1	6.93	6.88	6.98	22.9	16.1
	2	6.12	6.07	6.17	26.9	
Methoxychlor	1	7.51	7.46	7.56	37.0	5.5
	2	6.62	6.57	6.67	39.1	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PT-PEST-SOIL

Contract: CHEM02

Lab Code: CHEM

Case No.: P4495

SAS No.: P4495

SDG NO.: P4495

Lab Sample ID: P4495-20

Date(s) Analyzed: 11/04/2024

11/04/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endrin ketone	1	7.65	7.60	7.70	155	9.8
	2	6.85	6.80	6.90	171	
gamma-BHC (Lindane)	1	4.34	4.29	4.39	123	10
	2	3.61	3.56	3.66	136	
Heptachlor	1	4.93	4.88	4.98	251	3.9
	2	3.95	3.90	4.00	261	
Heptachlor epoxide	1	5.69	5.64	5.74	75.0	14.6
	2	4.73	4.68	4.78	86.8	
gamma-Chlordane	1	5.95	5.90	6.00	207	13.5
	2	4.98	4.93	5.03	237	
Endrin	1	6.58	6.53	6.63	34.6	23
	2	5.64	5.59	5.69	43.6	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PT-PEST-SOILDL

Contract: CHEM02

Lab Code: CHEM

Case No.: P4495

SAS No.: P4495

SDG NO.: P4495

Lab Sample ID: P4495-20DL

Date(s) Analyzed: 11/04/2024

11/04/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.71	6.66	6.76	179	19.2
	2	5.79	5.74	5.84	217	
4,4'-DDT	1	7.03	6.98	7.08	83.6	21.7
	2	6.04	5.99	6.09	104	
alpha-BHC	1	4.00	3.95	4.05	205	11.1
	2	3.28	3.23	3.33	229	
Aldrin	1	5.26	5.21	5.31	81.0	16.9
	2	4.23	4.18	4.28	96.0	
beta-BHC	1	4.53	4.48	4.58	242	16.3
	2	3.91	3.86	3.96	285	
alpha-Chlordane	1	6.02	5.97	6.07	68.1	15.9
	2	5.05	5.00	5.10	79.9	
4,4'-DDE	1	6.20	6.15	6.25	291	16.1
	2	5.24	5.19	5.29	342	
Endosulfan II	1	6.80	6.75	6.85	130	20.1
	2	5.94	5.89	5.99	159	
Endrin aldehyde	1	6.93	6.88	6.98	24.7	8.5
	2	6.12	6.07	6.17	26.9	
Endosulfan sulfate	1	7.16	7.11	7.21	48.2	13.2
	2	6.34	6.29	6.39	55.0	
Methoxychlor	1	7.50	7.45	7.55	38.8	7
	2	6.62	6.57	6.67	41.6	
Endrin ketone	1	7.65	7.60	7.70	156	13.2
	2	6.84	6.79	6.89	178	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	122	13.7
	2	3.61	3.56	3.66	140	
Heptachlor	1	4.92	4.87	4.97	256	15.2
	2	3.95	3.90	4.00	298	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PT-PEST-SOILDL

Contract: CHEM02

Lab Code: CHEM

Case No.: P4495

SAS No.: P4495

SDG NO.: P4495

Lab Sample ID: P4495-20DL

Date(s) Analyzed: 11/04/2024

11/04/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
delta-BHC	1	4.78	4.73	4.83	262	10.5
	2	4.14	4.09	4.19	291	
Heptachlor epoxide	1	5.69	5.64	5.74	75.5	18.2
	2	4.73	4.68	4.78	90.6	
Endosulfan I	1	6.07	6.02	6.12	35.0	11.6
	2	5.10	5.05	5.15	39.3	
gamma-Chlordane	1	5.94	5.89	5.99	202	19.6
	2	4.98	4.93	5.03	246	
Dieldrin	1	6.35	6.30	6.40	291	16.1
	2	5.37	5.32	5.42	342	
Endrin	1	6.58	6.53	6.63	35.2	20.6
	2	5.64	5.59	5.69	43.3	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PT-PEST-SOILDL2

Contract: CHEM02

Lab Code: CHEM

Case No.: P4495

SAS No.: P4495

SDG NO.: P4495

Lab Sample ID: P4495-20DL2

Date(s) Analyzed: 11/04/2024

11/04/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.80	6.75	6.85	158	4.3
	2	5.94	5.89	5.99	165	
4,4'-DDD	1	6.71	6.66	6.76	208	3.3
	2	5.79	5.74	5.84	215	
4,4'-DDT	1	7.03	6.98	7.08	98.3	0.5
	2	6.04	5.99	6.09	98.8	
Endrin aldehyde	1	6.93	6.88	6.98	31.9	6.8
	2	6.12	6.07	6.17	29.8	
Endosulfan sulfate	1	7.16	7.11	7.21	63.5	9.1
	2	6.34	6.29	6.39	58.0	
Endrin ketone	1	7.65	7.60	7.70	190	2.1
	2	6.84	6.79	6.89	194	
alpha-BHC	1	4.00	3.95	4.05	211	2.8
	2	3.28	3.23	3.33	217	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	132	0
	2	3.61	3.56	3.66	132	
Aldrin	1	5.26	5.21	5.31	96.0	3.4
	2	4.23	4.18	4.28	92.8	
beta-BHC	1	4.53	4.48	4.58	290	5
	2	3.91	3.86	3.96	305	
delta-BHC	1	4.77	4.72	4.82	271	7.1
	2	4.14	4.09	4.19	291	
Endosulfan I	1	6.07	6.02	6.12	44.9	10.6
	2	5.10	5.05	5.15	40.4	
alpha-Chlordane	1	6.02	5.97	6.07	84.2	3
	2	5.05	5.00	5.10	81.7	
4,4'-DDE	1	6.19	6.14	6.24	317	10.2
	2	5.23	5.18	5.28	351	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PT-PEST-SOILDL2

Contract: CHEM02

Lab Code: CHEM Case No.: P4495

SAS No.: P4495 SDG NO.: P4495

Lab Sample ID: P4495-20DL2

Date(s) Analyzed: 11/04/2024 11/04/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Dieldrin	1	6.35	6.30	6.40	322	11.7
	2	5.37	5.32	5.42	362	
Endrin	1	6.58	6.53	6.63	44.8	3.6
	2	5.64	5.59	5.69	43.2	
Methoxychlor	1	7.50	7.45	7.55	48.5	4.9
	2	6.61	6.56	6.66	46.2	
Heptachlor	1	4.92	4.87	4.97	292	8.2
	2	3.95	3.90	4.00	317	
Heptachlor epoxide	1	5.69	5.64	5.74	99.5	7.6
	2	4.73	4.68	4.78	92.2	
gamma-Chlordane	1	5.94	5.89	5.99	227	8.4
	2	4.98	4.93	5.03	247	