284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q2818 **Order ID:** Q2818

Client: Earth Engineering Inc. **Project ID:** Reserve Turgyan Farms

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : B-2-5-1								
Q2818-01	B-2-5-1	SOIL	4,4-DDE	1.40	JP	0.16	1.90	ug/kg
Q2818-01	B-2-5-1	SOIL	4,4-DDD	0.43	JP	0.17	1.90	ug/kg
Q2818-01	B-2-5-1	SOIL	alpha-Chlordane	0.38	J	0.14	1.90	ug/kg
Q2818-01	B-2-5-1	SOIL	gamma-Chlordane	0.23	J	0.17	1.90	ug/kg
			Total Concentration:	**2.440**				
Client ID : B-3-5-2								
Q2818-02	B-3-5-2	SOIL	Dieldrin	4.60	P	0.16	1.90	ug/kg
Q2818-02	B-3-5-2	SOIL	4,4-DDE	1.60	JP	0.16	1.90	ug/kg
Q2818-02	B-3-5-2	SOIL	Methoxychlor	14.8	P	0.41	1.90	ug/kg
Q2818-02	B-3-5-2	SOIL	alpha-Chlordane	0.84	JP	0.13	1.90	ug/kg
			Total Concentration:	**21.840**				

SAMPLE DATA

Raw Data: **PD089867.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-2-5-1	SDG No.:	Q2818
Lab Sample ID:	Q2818-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.5 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089867.D	1	08/12/25 08:16	08/12/25 17:00	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	1.90	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	1.90	ug/kg
319-86-8	delta-BHC	0.44	U	0.44	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	1.90	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	1.90	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.22	U	0.22	1.90	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	1.90	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	1.90	ug/kg
72-55-9	4,4-DDE	1.40	JP	0.16	1.90	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.90	ug/kg
33213-65-9	Endosulfan II	0.33	U	0.33	1.90	ug/kg
72-54-8	4,4-DDD	0.43	JP	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	1.90	ug/kg
50-29-3	4,4-DDT	0.16	U	0.16	1.90	ug/kg
72-43-5	Methoxychlor	0.42	U	0.42	1.90	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.42	U	0.42	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.38	J	0.14	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.23	J	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.20	U	6.20	37.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.7		20 - 144	89%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.8		19 - 148	84%	SPK: 20

Raw Data: **PD089867.D**

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-2-5-1	SDG No.:	Q2818
Lab Sample ID:	Q2818-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.5 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089867.D	1	08/12/25 08:16	08/12/25 17:00	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

Raw Data: **PD089868.D**

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-3-5-2	SDG No.:	Q2818
Lab Sample ID:	Q2818-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	89.1 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089868.D	1	08/12/25 08:16	08/12/25 17:14	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	1.90	ug/kg
319-85-7	beta-BHC	0.20	U	0.20	1.90	ug/kg
319-86-8	delta-BHC	0.44	U	0.44	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	1.90	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.90	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	1.90	ug/kg
60-57-1	Dieldrin	4.60	P	0.16	1.90	ug/kg
72-55-9	4,4-DDE	1.60	JP	0.16	1.90	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.90	ug/kg
33213-65-9	Endosulfan II	0.33	U	0.33	1.90	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	1.90	ug/kg
50-29-3	4,4-DDT	0.16	U	0.16	1.90	ug/kg
72-43-5	Methoxychlor	14.8	P	0.41	1.90	ug/kg
53494-70-5	Endrin ketone	0.21	U	0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.41	U	0.41	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.84	JP	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.10	U	6.10	37.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.6		20 - 144	83%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.3		19 - 148	96%	SPK: 20

Raw Data: **PD089868.D**

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/11/25
Project:	Reserve Turgyan Farms	Date Received:	08/11/25
Client Sample ID:	B-3-5-2	SDG No.:	Q2818
Lab Sample ID:	Q2818-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	89.1 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089868.D	1	08/12/25 08:16	08/12/25 17:14	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

QC SUMMARY

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Surrogate Summary

SDG No.: Q2818

Client: Earth Engineering Inc.

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PD089685.D	PIBLK-PD089685.D	Decachlorobiphen	1	20	20.9	104		57	171
		Tetrachloro-m-xyl	1	20	19.6	98		61	148
		Decachlorobiphen	2	20	20.9	104		57	171
		Tetrachloro-m-xyl	2	20	20.4	102		61	148
I.BLK-PD089862.D	PIBLK-PD089862.D	Decachlorobiphen	1	20	20.3	101		57	171
		Tetrachloro-m-xyl	1	20	20.0	100		61	148
		Decachlorobiphen	2	20	23.5	117		57	171
		Tetrachloro-m-xyl	2	20	25.1	125		61	148
PB169206BL	PB169206BL	Decachlorobiphen	1	20	19.4	97		20	144
		Tetrachloro-m-xyl	1	20	18.8	94		19	148
		Decachlorobiphen	2	20	22.7	113		20	144
		Tetrachloro-m-xyl	2	20	24.0	120		19	148
PB169206BS	PB169206BS	Decachlorobiphen	1	20	19.0	95		20	144
		Tetrachloro-m-xyl	1	20	18.1	91		19	148
		Decachlorobiphen	2	20	22.3	112		20	144
		Tetrachloro-m-xyl	2	20	23.2	116		19	148
Q2818-01	B-2-5-1	Decachlorobiphen	1	20	12.7	64		20	144
		Tetrachloro-m-xyl	1	20	14.2	71		19	148
		Decachlorobiphen	2	20	17.7	89		20	144
		Tetrachloro-m-xyl	2	20	16.8	84		19	148
Q2818-02	B-3-5-2	Decachlorobiphen	1	20	14.5	72		20	144
		Tetrachloro-m-xyl	1	20	18.3	91		19	148
		Decachlorobiphen	2	20	16.6	83		20	144
		Tetrachloro-m-xyl	2	20	19.3	96		19	148
I.BLK-PD089875.D	PIBLK-PD089875.D	Decachlorobiphen	1	20	20.0	100		57	171
		Tetrachloro-m-xyl	1	20	20.0	100		61	148
		Decachlorobiphen	2	20	21.9	110		57	171
		Tetrachloro-m-xyl	2	20	25.0	125		61	148
I.BLK-PD089888.D	PIBLK-PD089888.D	Decachlorobiphen	1	20	19.4	97		57	171
		Tetrachloro-m-xyl	1	20	19.3	96		61	148
		Decachlorobiphen	2	20	23.5	117		57	171
		Tetrachloro-m-xyl	2	20	25.4	127		61	148
Q2819-14MS	17M-WMS	Decachlorobiphen	1	20	12.3	62		20	144
		Tetrachloro-m-xyl	1	20	17.3	86		19	148
		Decachlorobiphen	2	20	17.7	88		20	144
		Tetrachloro-m-xyl	2	20	21.3	107		19	148
Q2819-14MSD	17M-WMSD	Decachlorobiphen	1	20	12.2	61		20	144
		Tetrachloro-m-xyl	1	20	17.1	85		19	148
		Decachlorobiphen	2	20	17.9	89		20	144
		Tetrachloro-m-xyl	2	20	21.6	108		19	148
I.BLK-PD089901.D	PIBLK-PD089901.D	Decachlorobiphen	1	20	19.2	96		57	171

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Surrogate Summary

SDG No.: Q2818

Client: Earth Engineering Inc.

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%) Low	Limits(%) High
I.BLK-PD089901.D	PIBLK-PD089901.D	Tetrachloro-m-xyl	1	20	19.2	96		61	148
		Decachlorobiphen	2	20	23.4	117		57	171
		Tetrachloro-m-xyl	2	20	24.5	123		61	148

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2818 **Analytical Method:** 8081B

Client: Earth Engineering Inc. **DataFile :** PD089894.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q2819-14MS (Column 1)**	**Client Sample ID:**		**17M-WMS**								
	alpha-BHC	19.46	0	20.0	ug/kg	103				45	137	
	beta-BHC	19.46	0	19.1	ug/kg	98				50	136	
	delta-BHC	19.46	0	19.3	ug/kg	99				47	139	
	gamma-BHC (Lindane)	19.46	0	19.3	ug/kg	99				49	135	
	Heptachlor	19.46	0	19.2	ug/kg	99				47	136	
	Aldrin	19.46	0	14.7	ug/kg	76				45	136	
	Heptachlor epoxide	19.46	0	26.6	ug/kg	137	*			52	136	
	Endosulfan I	19.46	0	19.2	ug/kg	99				53	132	
	Dieldrin	19.46	0	20.3	ug/kg	104				56	136	
	4,4'-DDE	19.46	11.7	30.5	ug/kg	97				56	134	
	Endrin	19.46	0	16.9	ug/kg	87				57	140	
	Endosulfan II	19.46	0	21.8	ug/kg	112				53	134	
	4,4'-DDD	19.46	0	16.3	ug/kg	84				56	139	
	Endosulfan sulfate	19.46	0	20.3	ug/kg	104				55	136	
	4,4'-DDT	19.46	7.3	23.7	ug/kg	84				50	141	
	Methoxychlor	19.46	0	14.6	ug/kg	75				52	143	
	Endrin ketone	19.46	0	16.5	ug/kg	85				55	136	
	Endrin aldehyde	19.46	0	21.1	ug/kg	108				35	137	
	alpha-Chlordane	19.46	390	384	ug/kg	-31	*			54	133	
	gamma-Chlordane	19.46	328	327	ug/kg	-5	*			53	135	
Lab Sample ID:	**Q2819-14MS (Column 2)**	**Client Sample ID:**		**17M-WMS**								
	alpha-BHC	19.46	0	22.8	ug/kg	117				45	137	
	beta-BHC	19.46	0	22.8	ug/kg	117				50	136	
	delta-BHC	19.46	0	23.3	ug/kg	120				47	139	
	gamma-BHC (Lindane)	19.46	0	22.9	ug/kg	118				49	135	
	Heptachlor	19.46	0	22.0	ug/kg	113				47	136	
	Aldrin	19.46	0	25.9	ug/kg	133				45	136	
	Heptachlor epoxide	19.46	0	31.4	ug/kg	161	*			52	136	
	Endosulfan I	19.46	0	23.7	ug/kg	122				53	132	
	Dieldrin	19.46	0	24.7	ug/kg	127				56	136	
	4,4'-DDE	19.46	6.2	26.2	ug/kg	103				56	134	
	Endrin	19.46	0	34.4	ug/kg	177	*			57	140	
	Endosulfan II	19.46	0	100	ug/kg	514	*			53	134	
	4,4'-DDD	19.46	0	15.6	ug/kg	80				56	139	
	Endosulfan sulfate	19.46	0	21.3	ug/kg	109				55	136	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2818 **Analytical Method:** 8081B

Client: Earth Engineering Inc. **DataFile :** PD089894.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
4,4'-DDT	19.46	12.1	32.2	ug/kg	103				50	141	
Methoxychlor	19.46	0	19.2	ug/kg	99				52	143	
Endrin ketone	19.46	0	21.0	ug/kg	108				55	136	
Endrin aldehyde	19.46	0	22.9	ug/kg	118				35	137	
alpha-Chlordane	19.46	233	230	ug/kg	-15	*			54	133	
gamma-Chlordane	19.46	194	197	ug/kg	15	*			53	135	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2818 **Analytical Method:** 8081B

Client: Earth Engineering Inc. **DataFile :** PD089895.D

	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID:	**Q2819-14MSD (Column 1)**	**Client Sample ID:**		**17M-WMSD**								
	alpha-BHC	19.44	0	19.9	ug/kg	102		1		45	137	20
	beta-BHC	19.44	0	19.0	ug/kg	98		0		50	136	20
	delta-BHC	19.44	0	19.5	ug/kg	100		1		47	139	20
	gamma-BHC (Lindane)	19.44	0	19.2	ug/kg	99		0		49	135	20
	Heptachlor	19.44	0	19.9	ug/kg	102		3		47	136	20
	Aldrin	19.44	0	24.7	ug/kg	127		50	*	45	136	20
	Heptachlor epoxide	19.44	0	28.8	ug/kg	148	*	8		52	136	20
	Endosulfan I	19.44	0	19.1	ug/kg	98		1		53	132	20
	Dieldrin	19.44	0	20.3	ug/kg	104		0		56	136	20
	4,4'-DDE	19.44	11.7	30.1	ug/kg	95		2		56	134	20
	Endrin	19.44	0	15.3	ug/kg	79		10		57	140	20
	Endosulfan II	19.44	0	21.7	ug/kg	112		0		53	134	20
	4,4'-DDD	19.44	0	16.8	ug/kg	86		2		56	139	20
	Endosulfan sulfate	19.44	0	20.4	ug/kg	105		1		55	136	20
	4,4'-DDT	19.44	7.3	24.7	ug/kg	90		7		50	141	20
	Methoxychlor	19.44	0	17.3	ug/kg	89		17		52	143	20
	Endrin ketone	19.44	0	17.0	ug/kg	87		2		55	136	20
	Endrin aldehyde	19.44	0	22.2	ug/kg	114		5		35	137	20
	alpha-Chlordane	19.44	390	383	ug/kg	-36	*	15		54	133	20
	gamma-Chlordane	19.44	328	325	ug/kg	-15	*	100	*	53	135	20
Lab Sample ID:	**Q2819-14MSD (Column 2)**	**Client Sample ID:**		**17M-WMSD**								
	alpha-BHC	19.44	0	22.7	ug/kg	117		0		45	137	20
	beta-BHC	19.44	0	22.8	ug/kg	117		0		50	136	20
	delta-BHC	19.44	0	23.5	ug/kg	121		1		47	139	20
	gamma-BHC (Lindane)	19.44	0	23.0	ug/kg	118		0		49	135	20
	Heptachlor	19.44	0	22.9	ug/kg	118		4		47	136	20
	Aldrin	19.44	0	25.7	ug/kg	132		1		45	136	20
	Heptachlor epoxide	19.44	0	31.2	ug/kg	160	*	1		52	136	20
	Endosulfan I	19.44	0	16.0	ug/kg	82		39	*	53	132	20
	Dieldrin	19.44	0	24.7	ug/kg	127		0		56	136	20
	4,4'-DDE	19.44	6.2	25.7	ug/kg	100		3		56	134	20
	Endrin	19.44	0	34.3	ug/kg	176	*	1		57	140	20
	Endosulfan II	19.44	0	101	ug/kg	520	*	1		53	134	20
	4,4'-DDD	19.44	0	24.0	ug/kg	123		42	*	56	139	20
	Endosulfan sulfate	19.44	0	21.8	ug/kg	112		3		55	136	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2818 **Analytical Method:** 8081B

Client: Earth Engineering Inc. **DataFile :** PD089895.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
4,4'-DDT	19.44	12.1	33.3	ug/kg	109		6		50	141	20
Methoxychlor	19.44	0	20.5	ug/kg	105		6		52	143	20
Endrin ketone	19.44	0	21.6	ug/kg	111		3		55	136	20
Endrin aldehyde	19.44	0	23.7	ug/kg	122		3		35	137	20
alpha-Chlordane	19.44	233	231	ug/kg	-10	*	40	*	54	133	20
gamma-Chlordane	19.44	194	195	ug/kg	5	*	100	*	53	135	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2818 **Analytical Method:** 8081B

Client: Earth Engineering Inc. **Datafile :** PD089866.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB169206BS (Column 1)	alpha-BHC	16.65	15.8	ug/kg	95				84	123	
	beta-BHC	16.65	15.6	ug/kg	94				82	123	
	delta-BHC	16.65	16.1	ug/kg	97				83	126	
	gamma-BHC (Lindane)	16.65	15.7	ug/kg	94				83	125	
	Heptachlor	16.65	14.7	ug/kg	88				83	122	
	Aldrin	16.65	15.7	ug/kg	94				82	124	
	Heptachlor epoxide	16.65	15.4	ug/kg	92				83	120	
	Endosulfan I	16.65	15.4	ug/kg	92				81	124	
	Dieldrin	16.65	15.3	ug/kg	92				85	121	
	4,4'-DDE	16.65	15.5	ug/kg	93				81	123	
	Endrin	16.65	13.5	ug/kg	81				76	130	
	Endosulfan II	16.65	15.0	ug/kg	90				80	125	
	4,4'-DDD	16.65	16.1	ug/kg	97				80	131	
	Endosulfan sulfate	16.65	14.8	ug/kg	89				81	122	
	4,4'-DDT	16.65	13.0	ug/kg	78				70	129	
	Methoxychlor	16.65	12.5	ug/kg	75				60	119	
	Endrin ketone	16.65	15.3	ug/kg	92				77	132	
	Endrin aldehyde	16.65	16.4	ug/kg	98				79	124	
	alpha-Chlordane	16.65	15.4	ug/kg	92				84	120	
	gamma-Chlordane	16.65	15.5	ug/kg	93				83	122	
PB169206BS (Column 2)	alpha-BHC	16.65	18.7	ug/kg	112				84	123	
	beta-BHC	16.65	18.7	ug/kg	112				82	123	
	delta-BHC	16.65	18.9	ug/kg	114				83	126	
	gamma-BHC (Lindane)	16.65	18.7	ug/kg	112				83	125	
	Heptachlor	16.65	17.7	ug/kg	106				83	122	
	Aldrin	16.65	18.8	ug/kg	113				82	124	
	Heptachlor epoxide	16.65	18.6	ug/kg	112				83	120	
	Endosulfan I	16.65	18.7	ug/kg	112				81	124	
	Dieldrin	16.65	18.8	ug/kg	113				85	121	
	4,4'-DDE	16.65	18.9	ug/kg	114				81	123	
	Endrin	16.65	16.7	ug/kg	100				76	130	
	Endosulfan II	16.65	18.8	ug/kg	113				80	125	
	4,4'-DDD	16.65	20.1	ug/kg	121				80	131	
	Endosulfan sulfate	16.65	18.3	ug/kg	110				81	122	
	4,4'-DDT	16.65	16.9	ug/kg	102				70	129	
	Methoxychlor	16.65	16.2	ug/kg	97				60	119	
	Endrin ketone	16.65	19.5	ug/kg	117				77	132	
	Endrin aldehyde	16.65	20.3	ug/kg	122				79	124	
	alpha-Chlordane	16.65	18.9	ug/kg	114				84	120	
	gamma-Chlordane	16.65	18.9	ug/kg	114				83	122	

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4C

PESTICIDE METHOD BLANK SUMMARY

Client ID: PB169206BL

Lab Name: Alliance | Contract: EARTH03

Lab Code: ACE | SDG NO.: Q2818

Lab Sample ID: PB169206BL | Lab File ID: PD089865.D

Matrix: (soil/water) Solid | Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N | Date Extracted: 08/12/2025

Date Analyzed (1): 08/12/2025 | Date Analyzed (2): 08/12/2025

Time Analyzed (1): 16:33 | Time Analyzed (2): 16:33

Instrument ID (1): ECD_D | Instrument ID (2): ECD_D

GC Column (1): ZB-MR1 ID: 0.32 (mm) | GC Column (2): ZB-MR2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB169206BS	PB169206BS	PD089866.D	08/12/2025	08/12/2025
B-2-5-1	Q2818-01	PD089867.D	08/12/2025	08/12/2025
B-3-5-2	Q2818-02	PD089868.D	08/12/2025	08/12/2025
17M-WMS	Q2819-14MS	PD089894.D	08/14/2025	08/14/2025
17M-WMSD	Q2819-14MSD	PD089895.D	08/14/2025	08/14/2025

COMMENTS:

QC SAMPLE DATA

Raw Data: **PD089865.D**

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	PB169206BL	SDG No.:	Q2818
Lab Sample ID:	PB169206BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089865.D	1	08/12/25 08:16	08/12/25 16:33	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.13	U	0.13	1.70	ug/kg
319-85-7	beta-BHC	0.18	U	0.18	1.70	ug/kg
319-86-8	delta-BHC	0.39	U	0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	0.14	U	0.14	1.70	ug/kg
76-44-8	Heptachlor	0.12	U	0.12	1.70	ug/kg
309-00-2	Aldrin	0.12	U	0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	0.19	U	0.19	1.70	ug/kg
959-98-8	Endosulfan I	0.14	U	0.14	1.70	ug/kg
60-57-1	Dieldrin	0.14	U	0.14	1.70	ug/kg
72-55-9	4,4-DDE	0.14	U	0.14	1.70	ug/kg
72-20-8	Endrin	0.14	U	0.14	1.70	ug/kg
33213-65-9	Endosulfan II	0.29	U	0.29	1.70	ug/kg
72-54-8	4,4-DDD	0.15	U	0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	0.14	U	0.14	1.70	ug/kg
72-43-5	Methoxychlor	0.37	U	0.37	1.70	ug/kg
53494-70-5	Endrin ketone	0.19	U	0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	0.37	U	0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	0.12	U	0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	0.15	U	0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.7		20 - 144	113%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.0		19 - 148	120%	SPK: 20

Raw Data: **PD089865.D**

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	PB169206BL	SDG No.:	Q2818
Lab Sample ID:	PB169206BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089865.D	1	08/12/25 08:16	08/12/25 16:33	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/31/25
Project:	Reserve Turgyan Farms	Date Received:	07/31/25
Client Sample ID:	PIBLK-PD089685.D	SDG No.:	Q2818
Lab Sample ID:	I.BLK-PD089685.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089685.D	1		07/31/25	pd073125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.9		57 - 171	104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.4		61 - 148	102%	SPK: 20

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	07/31/25
Project:	Reserve Turgyan Farms	Date Received:	07/31/25
Client Sample ID:	PIBLK-PD089685.D	SDG No.:	Q2818
Lab Sample ID:	I.BLK-PD089685.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089685.D	1		07/31/25	pd073125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/12/25
Project:	Reserve Turgyan Farms	Date Received:	08/12/25
Client Sample ID:	PIBLK-PD089862.D	SDG No.:	Q2818
Lab Sample ID:	I.BLK-PD089862.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089862.D	1		08/12/25	pd081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.5		57 - 171	117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.1		61 - 148	125%	SPK: 20

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/12/25
Project:	Reserve Turgyan Farms	Date Received:	08/12/25
Client Sample ID:	PIBLK-PD089862.D	SDG No.:	Q2818
Lab Sample ID:	I.BLK-PD089862.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089862.D	1		08/12/25	pd081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/12/25
Project:	Reserve Turgyan Farms	Date Received:	08/12/25
Client Sample ID:	PIBLK-PD089875.D	SDG No.:	Q2818
Lab Sample ID:	I.BLK-PD089875.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089875.D	1		08/12/25	pd081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.9		57 - 171	110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.0		61 - 148	125%	SPK: 20

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/12/25
Project:	Reserve Turgyan Farms	Date Received:	08/12/25
Client Sample ID:	PIBLK-PD089875.D	SDG No.:	Q2818
Lab Sample ID:	I.BLK-PD089875.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089875.D	1		08/12/25	pd081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/14/25
Project:	Reserve Turgyan Farms	Date Received:	08/14/25
Client Sample ID:	PIBLK-PD089888.D	SDG No.:	Q2818
Lab Sample ID:	I.BLK-PD089888.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089888.D	1		08/14/25	PD081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.5		57 - 171	117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.4		61 - 148	127%	SPK: 20

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Fax : 908 789 8922

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/14/25
Project:	Reserve Turgyan Farms	Date Received:	08/14/25
Client Sample ID:	PIBLK-PD089888.D	SDG No.:	Q2818
Lab Sample ID:	I.BLK-PD089888.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089888.D	1		08/14/25	PD081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/14/25
Project:	Reserve Turgyan Farms	Date Received:	08/14/25
Client Sample ID:	PIBLK-PD089901.D	SDG No.:	Q2818
Lab Sample ID:	I.BLK-PD089901.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089901.D	1		08/14/25	PD081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.4		57 - 171	117%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.5		61 - 148	123%	SPK: 20

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/14/25
Project:	Reserve Turgyan Farms	Date Received:	08/14/25
Client Sample ID:	PIBLK-PD089901.D	SDG No.:	Q2818
Lab Sample ID:	I.BLK-PD089901.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089901.D	1		08/14/25	PD081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	PB169206BS	SDG No.:	Q2818
Lab Sample ID:	PB169206BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089866.D	1	08/12/25 08:16	08/12/25 16:47	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	18.7		0.13	1.70	ug/kg
319-85-7	beta-BHC	18.7		0.18	1.70	ug/kg
319-86-8	delta-BHC	18.9		0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	18.7		0.14	1.70	ug/kg
76-44-8	Heptachlor	17.7		0.12	1.70	ug/kg
309-00-2	Aldrin	18.8		0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	18.6		0.19	1.70	ug/kg
959-98-8	Endosulfan I	18.7		0.14	1.70	ug/kg
60-57-1	Dieldrin	18.8		0.14	1.70	ug/kg
72-55-9	4,4-DDE	18.9		0.14	1.70	ug/kg
72-20-8	Endrin	16.7		0.14	1.70	ug/kg
33213-65-9	Endosulfan II	18.8		0.29	1.70	ug/kg
72-54-8	4,4-DDD	20.1		0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	18.3		0.13	1.70	ug/kg
50-29-3	4,4-DDT	16.9		0.14	1.70	ug/kg
72-43-5	Methoxychlor	16.2		0.37	1.70	ug/kg
53494-70-5	Endrin ketone	19.5		0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	20.3		0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	18.9		0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	18.9		0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.3		20 - 144	112%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.2		19 - 148	116%	SPK: 20

Raw Data: **PD089866.D**

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Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	
Project:	Reserve Turgyan Farms	Date Received:	
Client Sample ID:	PB169206BS	SDG No.:	Q2818
Lab Sample ID:	PB169206BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089866.D	1	08/12/25 08:16	08/12/25 16:47	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

Raw Data: **PD089894.D**

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Fax : 908 789 8922

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/05/25
Project:	Reserve Turgyan Farms	Date Received:	08/08/25
Client Sample ID:	17M-WMS	SDG No.:	Q2818
Lab Sample ID:	Q2819-14MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.6 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089894.D	1	08/12/25 08:16	08/14/25 14:14	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	22.8		0.15	2.00	ug/kg
319-85-7	beta-BHC	22.8		0.21	2.00	ug/kg
319-86-8	delta-BHC	23.3		0.46	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	22.9		0.16	2.00	ug/kg
76-44-8	Heptachlor	22.0		0.14	2.00	ug/kg
309-00-2	Aldrin	25.9	P	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	31.4		0.22	2.00	ug/kg
959-98-8	Endosulfan I	23.7		0.16	2.00	ug/kg
60-57-1	Dieldrin	24.7		0.16	2.00	ug/kg
72-55-9	4,4-DDE	30.5		0.16	2.00	ug/kg
72-20-8	Endrin	34.4	P	0.16	2.00	ug/kg
33213-65-9	Endosulfan II	100	EP	0.34	2.00	ug/kg
72-54-8	4,4-DDD	16.3		0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	21.3		0.15	2.00	ug/kg
50-29-3	4,4-DDT	32.2		0.16	2.00	ug/kg
72-43-5	Methoxychlor	19.2		0.43	2.00	ug/kg
53494-70-5	Endrin ketone	21.0		0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	22.9		0.43	2.00	ug/kg
5103-71-9	alpha-Chlordane	384	EP	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	327	EP	0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.30	U	6.30	38.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.7		20 - 144	88%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.3		19 - 148	107%	SPK: 20

Raw Data: **PD089894.D**

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Fax : 908 789 8922

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/05/25
Project:	Reserve Turgyan Farms	Date Received:	08/08/25
Client Sample ID:	17M-WMS	SDG No.:	Q2818
Lab Sample ID:	Q2819-14MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.6 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089894.D	1	08/12/25 08:16	08/14/25 14:14	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

Raw Data: **PD089895.D**

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Fax : 908 789 8922

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/05/25
Project:	Reserve Turgyan Farms	Date Received:	08/08/25
Client Sample ID:	17M-WMSD	SDG No.:	Q2818
Lab Sample ID:	Q2819-14MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.6 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089895.D	1	08/12/25 08:16	08/14/25 14:28	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	22.7		0.15	2.00	ug/kg
319-85-7	beta-BHC	22.8		0.21	2.00	ug/kg
319-86-8	delta-BHC	23.5		0.46	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	23.0		0.16	2.00	ug/kg
76-44-8	Heptachlor	22.9		0.14	2.00	ug/kg
309-00-2	Aldrin	25.7		0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	31.2		0.22	2.00	ug/kg
959-98-8	Endosulfan I	19.1		0.16	2.00	ug/kg
60-57-1	Dieldrin	24.7		0.16	2.00	ug/kg
72-55-9	4,4-DDE	30.1		0.16	2.00	ug/kg
72-20-8	Endrin	34.3	P	0.16	2.00	ug/kg
33213-65-9	Endosulfan II	101	EP	0.34	2.00	ug/kg
72-54-8	4,4-DDD	24.0		0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	21.8		0.15	2.00	ug/kg
50-29-3	4,4-DDT	33.3		0.16	2.00	ug/kg
72-43-5	Methoxychlor	20.5		0.43	2.00	ug/kg
53494-70-5	Endrin ketone	21.6		0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	23.7		0.43	2.00	ug/kg
5103-71-9	alpha-Chlordane	383	EP	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	325	EP	0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.30	U	6.30	38.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.9		20 - 144	89%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		19 - 148	108%	SPK: 20

Raw Data: **PD089895.D**

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Fax : 908 789 8922

Report of Analysis

Client:	Earth Engineering Inc.	Date Collected:	08/05/25
Project:	Reserve Turgyan Farms	Date Received:	08/08/25
Client Sample ID:	17M-WMSD	SDG No.:	Q2818
Lab Sample ID:	Q2819-14MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.6 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD089895.D	1	08/12/25 08:16	08/14/25 14:28	PB169206

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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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Fax : 908 789 8922

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D
Contract: EARTH03
SDG NO.: Q2818
Calibration Date(s): 07/31/2025 07/31/2025
Calibration Times: 11:47 12:41

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

LAB FILE ID: RT 100 = PD089688.D RT 075 = PD089689.D
RT 050 = PD089690.D RT 025 = PD089691.D RT 005 = PD089692.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.70	6.70	6.70	6.70	6.70	6.70	6.60	6.80
4,4'-DDE	6.19	6.19	6.19	6.19	6.19	6.19	6.09	6.29
4,4'-DDT	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aldrin	5.27	5.27	5.27	5.27	5.27	5.27	5.17	5.37
alpha-BHC	4.00	4.00	4.00	4.00	4.00	4.00	3.90	4.10
alpha-Chlordane	6.03	6.03	6.03	6.02	6.02	6.02	5.92	6.12
beta-BHC	4.52	4.51	4.51	4.52	4.51	4.51	4.41	4.61
Decachlorobiphenyl	9.07	9.07	9.07	9.07	9.07	9.07	8.97	9.17
delta-BHC	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Dieldrin	6.35	6.35	6.35	6.34	6.35	6.34	6.24	6.44
Endosulfan I	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.79	6.79	6.78	6.78	6.78	6.78	6.68	6.88
Endosulfan sulfate	7.15	7.15	7.15	7.15	7.15	7.15	7.05	7.25
Endrin	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.91	6.91	6.91	6.91	6.91	6.91	6.81	7.01
Endrin ketone	7.63	7.63	7.63	7.63	7.63	7.63	7.53	7.73
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
gamma-Chlordane	5.95	5.95	5.94	5.94	5.94	5.94	5.84	6.04
Heptachlor	4.93	4.93	4.93	4.93	4.93	4.93	4.83	5.03
Heptachlor epoxide	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Methoxychlor	7.49	7.49	7.49	7.49	7.49	7.49	7.39	7.59
Tetrachloro-m-xylene	3.55	3.55	3.55	3.55	3.55	3.55	3.45	3.65

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RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D
Contract: EARTH03
SDG NO.: Q2818
Calibration Date(s): 07/31/2025 07/31/2025
Calibration Times: 11:47 12:41

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

LAB FILE ID: RT 100 = PD089688.D RT 075 = PD089689.D
RT 050 = PD089690.D RT 025 = PD089691.D RT 005 = PD089692.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.93	5.93	5.93	5.93	5.93	5.93	5.83	6.03
4,4'-DDE	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
4,4'-DDT	6.18	6.18	6.18	6.18	6.18	6.18	6.08	6.28
Aldrin	4.37	4.37	4.37	4.37	4.37	4.36	4.26	4.46
alpha-BHC	3.39	3.39	3.39	3.39	3.39	3.39	3.29	3.49
alpha-Chlordane	5.19	5.19	5.19	5.19	5.19	5.19	5.09	5.29
beta-BHC	4.02	4.02	4.02	4.02	4.02	4.02	3.92	4.12
Decachlorobiphenyl	8.07	8.07	8.07	8.07	8.07	8.07	7.97	8.17
delta-BHC	4.26	4.26	4.26	4.26	4.26	4.26	4.16	4.36
Dieldrin	5.51	5.51	5.51	5.51	5.51	5.51	5.41	5.61
Endosulfan I	5.24	5.24	5.24	5.24	5.24	5.24	5.14	5.34
Endosulfan II	6.08	6.08	6.08	6.08	6.08	6.08	5.98	6.18
Endosulfan sulfate	6.48	6.48	6.48	6.48	6.48	6.48	6.38	6.58
Endrin	5.79	5.79	5.79	5.79	5.79	5.79	5.69	5.89
Endrin aldehyde	6.26	6.26	6.26	6.26	6.26	6.26	6.16	6.36
Endrin ketone	6.99	6.99	6.99	6.99	6.99	6.99	6.89	7.09
gamma-BHC (Lindane)	3.73	3.73	3.73	3.73	3.73	3.73	3.63	3.83
gamma-Chlordane	5.12	5.12	5.12	5.12	5.12	5.12	5.02	5.22
Heptachlor	4.08	4.08	4.08	4.08	4.08	4.08	3.98	4.18
Heptachlor epoxide	4.87	4.87	4.87	4.87	4.87	4.87	4.77	4.97
Methoxychlor	6.75	6.75	6.75	6.75	6.75	6.75	6.65	6.85
Tetrachloro-m-xylene	2.88	2.88	2.88	2.88	2.88	2.88	2.78	2.98

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D

Contract: EARTH03
SDG NO.: Q2818
Calibration Date(s): 07/31/2025 07/31/2025
Calibration Times: 11:47 12:41

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

LAB FILE ID: **CF 100 =** PD089688.D **CF 075 =** PD089689.D
CF 050 = PD089690.D **CF 025 =** PD089691.D **CF 005 =** PD089692.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3170910000	3047700000	2999940000	2847680000	2907880000	2994820000	4
4,4'-DDE	4003810000	3817790000	3749630000	3527790000	3549710000	3729750000	5
4,4'-DDT	3548070000	3416270000	3370890000	3205660000	3260320000	3360240000	4
Aldrin	4875360000	4656550000	4601860000	4327300000	4363460000	4564910000	5
alpha-BHC	5474360000	5189440000	5067890000	4637560000	4398360000	4953520000	9
alpha-Chlordane	4334230000	4190130000	4177460000	4048840000	4270160000	4204170000	3
beta-BHC	1835380000	1791880000	1823800000	1806620000	1965690000	1844680000	4
Decachlorobiphenyl	3483240000	3499950000	3619460000	3726220000	4252410000	3716260000	8
delta-BHC	5033280000	4775690000	4676790000	4294740000	4150530000	4586210000	8
Dieldrin	4482180000	4304270000	4237810000	4013690000	4079190000	4223430000	4
Endosulfan I	4087920000	3943210000	3940200000	3816940000	4029810000	3963620000	3
Endosulfan II	3707220000	3614470000	3602460000	3542670000	3880100000	3669380000	4
Endosulfan sulfate	3520460000	3426970000	3432480000	3357090000	3613300000	3470060000	3
Endrin	3787000000	3635450000	3585320000	3393750000	3487070000	3577720000	4
Endrin aldehyde	2531030000	2443470000	2469250000	2435500000	2598600000	2495570000	3
Endrin ketone	3804270000	3699670000	3700720000	3603310000	3762780000	3714150000	2
gamma-BHC (Lindane)	5133650000	4854210000	4821480000	4482000000	4470410000	4752350000	6
gamma-Chlordane	4371930000	4219760000	4166830000	3997030000	4139860000	4179080000	3
Heptachlor	5124730000	4899870000	4838360000	4560780000	4633880000	4811520000	5
Heptachlor epoxide	4345440000	4178710000	4148850000	3977860000	4252730000	4180720000	3
Methoxychlor	1771080000	1750920000	1777320000	1770160000	1870390000	1787970000	3
Tetrachloro-m-xylene	2500060000	2427080000	2456600000	2403480000	2545710000	2466590000	2

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_D

Contract: EARTH03
SDG NO.: Q2818
Calibration Date(s): 07/31/2025 07/31/2025
Calibration Times: 11:47 12:41

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

LAB FILE ID: **CF 100 =** PD089688.D **CF 075 =** PD089689.D
CF 050 = PD089690.D **CF 025 =** PD089691.D **CF 005 =** PD089692.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	17134400000	16787300000	17354900000	17662200000	19224300000	17632600000	5
4,4'-DDE	20430900000	20064600000	20732800000	21183800000	23273600000	21137100000	6
4,4'-DDT	18425400000	17982900000	18452700000	18412200000	18590200000	18372700000	1
Aldrin	21657100000	21218800000	21871300000	22261000000	24245900000	22250800000	5
alpha-BHC	23880800000	23336000000	23972800000	24105300000	26229700000	24304900000	5
alpha-Chlordane	20016900000	19678400000	20310700000	20811200000	23292700000	20822000000	7
beta-BHC	9157870000	9041540000	9401640000	9704320000	10939600000	9648990000	8
Decachlorobiphenyl	19095200000	18752300000	19614700000	20093800000	22833900000	20078000000	8
delta-BHC	22211000000	21751500000	22337600000	22561500000	24713800000	22715100000	5
Dieldrin	20963500000	20551400000	21238000000	21609600000	23832300000	21639000000	6
Endosulfan I	18710200000	18457000000	19095000000	19631700000	21847700000	19548300000	7
Endosulfan II	18071500000	17758300000	18395200000	18826200000	20946400000	18799500000	7
Endosulfan sulfate	17842800000	17514800000	18136900000	18586800000	20746700000	18565600000	7
Endrin	18955800000	18701800000	19397300000	19737400000	22833500000	19925200000	8
Endrin aldehyde	12528800000	12224400000	12712900000	13003800000	14132200000	12920400000	6
Endrin ketone	19364800000	19023500000	19740000000	20178700000	22033800000	20068200000	6
gamma-BHC (Lindane)	22053600000	21570700000	22138000000	22412100000	24446000000	22524100000	5
gamma-Chlordane	20939400000	20491100000	21182700000	21653700000	23999700000	21653300000	6
Heptachlor	22407100000	22028400000	22731800000	23177700000	25700800000	23209200000	6
Heptachlor epoxide	19711600000	19404700000	20096200000	20688400000	22848400000	20549800000	7
Methoxychlor	9410250000	9296740000	9702690000	9950740000	10617100000	9795500000	5
Tetrachloro-m-xylene	15162800000	14913400000	15457700000	15824900000	17830500000	15837800000	7

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Instrument ID: ECD_D **Date(s) Analyzed:** 07/31/2025 07/31/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	6.24	6.14	6.34	34887000
		2	6.44	6.34	6.54	46683300
		3	7.15	7.05	7.25	91652600
		4	7.56	7.46	7.66	120732000
		5	7.93	7.83	8.03	68165800

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Instrument ID: ECD_D **Date(s) Analyzed:** 07/31/2025 07/31/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.47	5.37	5.57	159990000
		2	5.64	5.54	5.74	108562000
		3	6.75	6.65	6.85	519577000
		4	7.19	7.09	7.29	361556000
		5	7.32	7.22	7.42	254114000

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Continuing Calib Date: 08/12/2025 **Initial Calibration Date(s):** 07/31/2025 07/31/2025

Continuing Calib Time: 16:05 **Initial Calibration Time(s):** 11:47 12:41

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.51	4.41	4.61	-0.01
delta-BHC	4.77	4.76	4.66	4.86	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.08	6.07	5.97	6.17	0.00
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	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.78	6.68	6.88	-0.01
4,4'-DDD	6.71	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.91	6.81	7.01	0.00
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.94	5.84	6.04	-0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Continuing Calib Date: 08/12/2025 **Initial Calibration Date(s):** 07/31/2025 07/31/2025

Continuing Calib Time: 16:05 **Initial Calibration Time(s):** 11:47 12:41

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.36	4.37	4.27	4.47	0.01
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.79	5.79	5.69	5.89	0.01
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.25	6.26	6.16	6.36	0.01
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL01 **Date Analyzed:** 08/12/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089864.D **Time Analyzed:** 16:05

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.705	6.604	6.804	49.600	50.000	-0.8
4,4'-DDE	6.196	6.094	6.294	46.960	50.000	-6.1
4,4'-DDT	7.022	6.919	7.119	41.600	50.000	-16.8
Aldrin	5.271	5.169	5.369	48.730	50.000	-2.5
alpha-BHC	4.000	3.897	4.097	50.030	50.000	0.1
alpha-Chlordane	6.027	5.925	6.125	47.320	50.000	-5.4
beta-BHC	4.518	4.414	4.614	49.650	50.000	-0.7
Decachlorobiphenyl	9.071	8.971	9.171	44.030	50.000	-11.9
delta-BHC	4.766	4.663	4.863	49.480	50.000	-1.0
Dieldrin	6.347	6.245	6.445	46.880	50.000	-6.2
Endosulfan I	6.075	5.972	6.172	46.970	50.000	-6.1
Endosulfan II	6.787	6.684	6.884	44.850	50.000	-10.3
Endosulfan sulfate	7.150	7.048	7.248	44.710	50.000	-10.6
Endrin	6.574	6.472	6.672	43.730	50.000	-12.5
Endrin aldehyde	6.915	6.813	7.013	47.460	50.000	-5.1
Endrin ketone	7.631	7.529	7.729	44.950	50.000	-10.1
gamma-BHC (Lindane)	4.331	4.228	4.428	49.460	50.000	-1.1
gamma-Chlordane	5.946	5.844	6.044	47.130	50.000	-5.7
Heptachlor	4.929	4.827	5.027	46.100	50.000	-7.8
Heptachlor epoxide	5.691	5.589	5.789	47.670	50.000	-4.7
Methoxychlor	7.494	7.392	7.592	42.100	50.000	-15.8
Tetrachloro-m-xylene	3.551	3.448	3.648	48.190	50.000	-3.6

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL01 **Date Analyzed:** 08/12/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089864.D **Time Analyzed:** 16:05

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.925	5.825	6.025	60.020	50.000	20.0
4,4'-DDE	5.370	5.271	5.471	58.070	50.000	16.1
4,4'-DDT	6.179	6.079	6.279	54.460	50.000	8.9
Aldrin	4.364	4.265	4.465	58.380	50.000	16.8
alpha-BHC	3.390	3.290	3.490	58.880	50.000	17.8
alpha-Chlordane	5.186	5.086	5.286	58.270	50.000	16.5
beta-BHC	4.022	3.922	4.122	57.910	50.000	15.8
Decachlorobiphenyl	8.067	7.968	8.168	51.900	50.000	3.8
delta-BHC	4.258	4.159	4.359	58.370	50.000	16.7
Dieldrin	5.508	5.409	5.609	58.000	50.000	16.0
Endosulfan I	5.242	5.143	5.343	55.090	50.000	10.2
Endosulfan II	6.076	5.977	6.177	57.090	50.000	14.2
Endosulfan sulfate	6.478	6.378	6.578	55.500	50.000	11.0
Endrin	5.785	5.685	5.885	57.160	50.000	14.3
Endrin aldehyde	6.254	6.155	6.355	59.290	50.000	18.6
Endrin ketone	6.987	6.888	7.088	56.720	50.000	13.4
gamma-BHC (Lindane)	3.726	3.626	3.826	58.430	50.000	16.9
gamma-Chlordane	5.121	5.022	5.222	58.570	50.000	17.1
Heptachlor	4.079	3.979	4.179	55.600	50.000	11.2
Heptachlor epoxide	4.868	4.769	4.969	57.290	50.000	14.6
Methoxychlor	6.749	6.650	6.850	54.590	50.000	9.2
Tetrachloro-m-xylene	2.878	2.778	2.978	57.670	50.000	15.3

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Continuing Calib Date: 08/12/2025 **Initial Calibration Date(s):** 07/31/2025 07/31/2025

Continuing Calib Time: 20:12 **Initial Calibration Time(s):** 11:47 12:41

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.07	8.97	9.17	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.51	4.51	4.41	4.61	0.00
delta-BHC	4.76	4.76	4.66	4.86	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.35	6.25	6.45	0.01
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.78	6.78	6.68	6.88	0.00
4,4'-DDD	6.70	6.70	6.60	6.80	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.49	7.39	7.59	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.91	6.91	6.81	7.01	0.00
alpha-Chlordane	6.02	6.03	5.93	6.13	0.01
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Continuing Calib Date: 08/12/2025 **Initial Calibration Date(s):** 07/31/2025 07/31/2025

Continuing Calib Time: 20:12 **Initial Calibration Time(s):** 11:47 12:41

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.37	4.37	4.27	4.47	0.01
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.78	5.79	5.69	5.89	0.01
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.92	5.93	5.83	6.03	0.01
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.25	6.26	6.16	6.36	0.01
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL02 **Date Analyzed:** 08/12/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089876.D **Time Analyzed:** 20:12

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.702	6.604	6.804	50.520	50.000	1.0
4,4'-DDE	6.193	6.094	6.294	46.370	50.000	-7.3
4,4'-DDT	7.018	6.919	7.119	40.230	50.000	-19.5
Aldrin	5.267	5.169	5.369	48.670	50.000	-2.7
alpha-BHC	3.997	3.897	4.097	49.900	50.000	-0.2
alpha-Chlordane	6.024	5.925	6.125	47.010	50.000	-6.0
beta-BHC	4.514	4.414	4.614	49.300	50.000	-1.4
Decachlorobiphenyl	9.068	8.971	9.171	44.100	50.000	-11.8
delta-BHC	4.762	4.663	4.863	49.370	50.000	-1.3
Dieldrin	6.343	6.245	6.445	46.490	50.000	-7.0
Endosulfan I	6.071	5.972	6.172	46.730	50.000	-6.5
Endosulfan II	6.783	6.684	6.884	44.920	50.000	-10.2
Endosulfan sulfate	7.146	7.048	7.248	44.190	50.000	-11.6
Endrin	6.571	6.472	6.672	43.700	50.000	-12.6
Endrin aldehyde	6.912	6.813	7.013	47.080	50.000	-5.8
Endrin ketone	7.627	7.529	7.729	44.950	50.000	-10.1
gamma-BHC (Lindane)	4.328	4.228	4.428	49.560	50.000	-0.9
gamma-Chlordane	5.943	5.844	6.044	47.030	50.000	-5.9
Heptachlor	4.926	4.827	5.027	45.020	50.000	-10.0
Heptachlor epoxide	5.688	5.589	5.789	47.260	50.000	-5.5
Methoxychlor	7.490	7.392	7.592	40.620	50.000	-18.8
Tetrachloro-m-xylene	3.548	3.448	3.648	48.370	50.000	-3.3

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL02 **Date Analyzed:** 08/12/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089876.D **Time Analyzed:** 20:12

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.923	5.825	6.025	59.900	50.000	19.8
4,4'-DDE	5.371	5.271	5.471	58.590	50.000	17.2
4,4'-DDT	6.179	6.079	6.279	53.240	50.000	6.5
Aldrin	4.365	4.265	4.465	59.160	50.000	18.3
alpha-BHC	3.390	3.290	3.490	59.200	50.000	18.4
alpha-Chlordane	5.186	5.086	5.286	58.830	50.000	17.7
beta-BHC	4.022	3.922	4.122	58.350	50.000	16.7
Decachlorobiphenyl	8.066	7.968	8.168	52.090	50.000	4.2
delta-BHC	4.258	4.159	4.359	59.170	50.000	18.3
Dieldrin	5.508	5.409	5.609	58.710	50.000	17.4
Endosulfan I	5.242	5.143	5.343	53.930	50.000	7.9
Endosulfan II	6.076	5.977	6.177	57.270	50.000	14.5
Endosulfan sulfate	6.478	6.378	6.578	55.470	50.000	10.9
Endrin	5.784	5.685	5.885	59.770	50.000	19.5
Endrin aldehyde	6.254	6.155	6.355	59.240	50.000	18.5
Endrin ketone	6.987	6.888	7.088	57.250	50.000	14.5
gamma-BHC (Lindane)	3.726	3.626	3.826	58.920	50.000	17.8
gamma-Chlordane	5.121	5.022	5.222	59.240	50.000	18.5
Heptachlor	4.079	3.979	4.179	55.250	50.000	10.5
Heptachlor epoxide	4.869	4.769	4.969	57.830	50.000	15.7
Methoxychlor	6.749	6.650	6.850	53.620	50.000	7.2
Tetrachloro-m-xylene	2.878	2.778	2.978	58.280	50.000	16.6

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Continuing Calib Date: 08/14/2025 **Initial Calibration Date(s):** 07/31/2025 07/31/2025

Continuing Calib Time: 12:52 **Initial Calibration Time(s):** 11:47 12:41

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.08	9.07	8.97	9.17	-0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.51	4.41	4.61	-0.01
delta-BHC	4.77	4.76	4.66	4.86	-0.01
gamma-BHC (Lindane)	4.34	4.33	4.23	4.43	-0.01
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.28	5.27	5.17	5.37	-0.01
Heptachlor epoxide	5.70	5.69	5.59	5.79	-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	6.79	6.78	6.68	6.88	-0.01
4,4'-DDD	6.71	6.70	6.60	6.80	-0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.49	7.39	7.59	-0.01
Endrin ketone	7.64	7.63	7.53	7.73	-0.01
Endrin aldehyde	6.92	6.91	6.81	7.01	-0.01
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.94	5.84	6.04	-0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Continuing Calib Date: 08/14/2025 **Initial Calibration Date(s):** 07/31/2025 07/31/2025

Continuing Calib Time: 12:52 **Initial Calibration Time(s):** 11:47 12:41

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.25	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL03 **Date Analyzed:** 08/14/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089890.D **Time Analyzed:** 12:52

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.710	6.604	6.804	45.870	50.000	-8.3
4,4'-DDE	6.200	6.094	6.294	45.930	50.000	-8.1
4,4'-DDT	7.025	6.919	7.119	44.200	50.000	-11.6
Aldrin	5.275	5.169	5.369	47.440	50.000	-5.1
alpha-BHC	4.004	3.897	4.097	48.550	50.000	-2.9
alpha-Chlordane	6.031	5.925	6.125	46.310	50.000	-7.4
beta-BHC	4.521	4.414	4.614	48.360	50.000	-3.3
Decachlorobiphenyl	9.077	8.971	9.171	43.090	50.000	-13.8
delta-BHC	4.770	4.663	4.863	47.140	50.000	-5.7
Dieldrin	6.351	6.245	6.445	45.720	50.000	-8.6
Endosulfan I	6.078	5.972	6.172	46.010	50.000	-8.0
Endosulfan II	6.791	6.684	6.884	44.460	50.000	-11.1
Endosulfan sulfate	7.154	7.048	7.248	43.640	50.000	-12.7
Endrin	6.579	6.472	6.672	45.250	50.000	-9.5
Endrin aldehyde	6.920	6.813	7.013	45.640	50.000	-8.7
Endrin ketone	7.635	7.529	7.729	42.990	50.000	-14.0
gamma-BHC (Lindane)	4.335	4.228	4.428	48.560	50.000	-2.9
gamma-Chlordane	5.951	5.844	6.044	46.510	50.000	-7.0
Heptachlor	4.934	4.827	5.027	47.200	50.000	-5.6
Heptachlor epoxide	5.695	5.589	5.789	46.250	50.000	-7.5
Methoxychlor	7.498	7.392	7.592	42.190	50.000	-15.6
Tetrachloro-m-xylene	3.554	3.448	3.648	46.570	50.000	-6.9

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL03 **Date Analyzed:** 08/14/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089890.D **Time Analyzed:** 12:52

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.927	5.825	6.025	57.880	50.000	15.8
4,4'-DDE	5.372	5.271	5.471	57.690	50.000	15.4
4,4'-DDT	6.181	6.079	6.279	58.920	50.000	17.8
Aldrin	4.366	4.265	4.465	57.740	50.000	15.5
alpha-BHC	3.389	3.290	3.490	57.260	50.000	14.5
alpha-Chlordane	5.188	5.086	5.286	57.900	50.000	15.8
beta-BHC	4.023	3.922	4.122	57.220	50.000	14.4
Decachlorobiphenyl	8.069	7.968	8.168	51.950	50.000	3.9
delta-BHC	4.260	4.159	4.359	57.630	50.000	15.3
Dieldrin	5.510	5.409	5.609	57.580	50.000	15.2
Endosulfan I	5.245	5.143	5.343	55.390	50.000	10.8
Endosulfan II	6.078	5.977	6.177	57.080	50.000	14.2
Endosulfan sulfate	6.480	6.378	6.578	55.350	50.000	10.7
Endrin	5.787	5.685	5.885	57.760	50.000	15.5
Endrin aldehyde	6.257	6.155	6.355	57.910	50.000	15.8
Endrin ketone	6.990	6.888	7.088	54.610	50.000	9.2
gamma-BHC (Lindane)	3.727	3.626	3.826	57.600	50.000	15.2
gamma-Chlordane	5.123	5.022	5.222	58.030	50.000	16.1
Heptachlor	4.080	3.979	4.179	56.150	50.000	12.3
Heptachlor epoxide	4.870	4.769	4.969	56.940	50.000	13.9
Methoxychlor	6.751	6.650	6.850	55.400	50.000	10.8
Tetrachloro-m-xylene	2.878	2.778	2.978	56.960	50.000	13.9

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Continuing Calib Date: 08/14/2025 **Initial Calibration Date(s):** 07/31/2025 07/31/2025

Continuing Calib Time: 17:10 **Initial Calibration Time(s):** 11:47 12:41

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.08	9.07	8.97	9.17	-0.01
Tetrachloro-m-xylene	3.56	3.55	3.45	3.65	-0.01
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.51	4.41	4.61	-0.01
delta-BHC	4.77	4.76	4.66	4.86	-0.01
gamma-BHC (Lindane)	4.34	4.33	4.23	4.43	-0.01
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.28	5.27	5.17	5.37	-0.01
Heptachlor epoxide	5.70	5.69	5.59	5.79	-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	6.79	6.78	6.68	6.88	-0.01
4,4'-DDD	6.71	6.70	6.60	6.80	-0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.49	7.39	7.59	-0.01
Endrin ketone	7.64	7.63	7.53	7.73	-0.01
Endrin aldehyde	6.92	6.91	6.81	7.01	-0.01
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.94	5.84	6.04	-0.01

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Continuing Calib Date: 08/14/2025 **Initial Calibration Date(s):** 07/31/2025 07/31/2025

Continuing Calib Time: 17:10 **Initial Calibration Time(s):** 11:47 12:41

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.07	8.07	7.97	8.17	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.25	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.48	6.38	6.58	0.00
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.99	6.99	6.89	7.09	0.00
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL04 **Date Analyzed:** 08/14/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089902.D **Time Analyzed:** 17:10

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.710	6.604	6.804	45.040	50.000	-9.9
4,4'-DDE	6.201	6.094	6.294	44.140	50.000	-11.7
4,4'-DDT	7.026	6.919	7.119	41.850	50.000	-16.3
Aldrin	5.275	5.169	5.369	46.210	50.000	-7.6
alpha-BHC	4.004	3.897	4.097	47.190	50.000	-5.6
alpha-Chlordane	6.032	5.925	6.125	44.850	50.000	-10.3
beta-BHC	4.521	4.414	4.614	46.820	50.000	-6.4
Decachlorobiphenyl	9.078	8.971	9.171	42.310	50.000	-15.4
delta-BHC	4.770	4.663	4.863	45.750	50.000	-8.5
Dieldrin	6.352	6.245	6.445	44.410	50.000	-11.2
Endosulfan I	6.079	5.972	6.172	44.650	50.000	-10.7
Endosulfan II	6.791	6.684	6.884	43.520	50.000	-13.0
Endosulfan sulfate	7.154	7.048	7.248	42.550	50.000	-14.9
Endrin	6.579	6.472	6.672	43.580	50.000	-12.8
Endrin aldehyde	6.920	6.813	7.013	45.250	50.000	-9.5
Endrin ketone	7.635	7.529	7.729	42.240	50.000	-15.5
gamma-BHC (Lindane)	4.335	4.228	4.428	47.290	50.000	-5.4
gamma-Chlordane	5.951	5.844	6.044	45.110	50.000	-9.8
Heptachlor	4.934	4.827	5.027	44.690	50.000	-10.6
Heptachlor epoxide	5.696	5.589	5.789	44.580	50.000	-10.8
Methoxychlor	7.498	7.392	7.592	43.710	50.000	-12.6
Tetrachloro-m-xylene	3.555	3.448	3.648	45.520	50.000	-9.0

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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No.: CCAL04 **Date Analyzed:** 08/14/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD089902.D **Time Analyzed:** 17:10

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.927	5.825	6.025	56.000	50.000	12.0
4,4'-DDE	5.373	5.271	5.471	55.390	50.000	10.8
4,4'-DDT	6.181	6.079	6.279	55.790	50.000	11.6
Aldrin	4.366	4.265	4.465	55.750	50.000	11.5
alpha-BHC	3.390	3.290	3.490	55.700	50.000	11.4
alpha-Chlordane	5.188	5.086	5.286	55.640	50.000	11.3
beta-BHC	4.024	3.922	4.122	55.080	50.000	10.2
Decachlorobiphenyl	8.069	7.968	8.168	52.410	50.000	4.8
delta-BHC	4.260	4.159	4.359	55.910	50.000	11.8
Dieldrin	5.511	5.409	5.609	55.620	50.000	11.2
Endosulfan I	5.245	5.143	5.343	52.780	50.000	5.6
Endosulfan II	6.078	5.977	6.177	55.270	50.000	10.5
Endosulfan sulfate	6.480	6.378	6.578	53.770	50.000	7.5
Endrin	5.787	5.685	5.885	58.840	50.000	17.7
Endrin aldehyde	6.257	6.155	6.355	57.190	50.000	14.4
Endrin ketone	6.990	6.888	7.088	54.760	50.000	9.5
gamma-BHC (Lindane)	3.727	3.626	3.826	55.660	50.000	11.3
gamma-Chlordane	5.123	5.022	5.222	55.820	50.000	11.6
Heptachlor	4.080	3.979	4.179	53.790	50.000	7.6
Heptachlor epoxide	4.870	4.769	4.969	54.770	50.000	9.5
Methoxychlor	6.752	6.650	6.850	57.290	50.000	14.6
Tetrachloro-m-xylene	2.878	2.778	2.978	55.070	50.000	10.1

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No. (PEM): PEM - PD089686.D **Date Analyzed:** 07/31/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:47

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.070	8.970	9.170	21.540	20.000	7.7
Tetrachloro-m-xylene	3.548	3.500	3.600	20.670	20.000	3.4
alpha-BHC	3.997	3.950	4.050	9.820	10.000	-1.8
beta-BHC	4.514	4.460	4.560	10.760	10.000	7.6
gamma-BHC (Lindane)	4.328	4.280	4.380	10.080	10.000	0.8
Endrin	6.572	6.500	6.640	54.730	50.000	9.5
4,4'-DDT	7.020	6.950	7.090	108.560	100.000	8.6
Methoxychlor	7.491	7.420	7.560	258.930	250.000	3.6

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No. (PEM): PEM - PD089686.D **Date Analyzed:** 07/31/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:47

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.068	7.970	8.170	22.080	20.000	10.4
Tetrachloro-m-xylene	2.878	2.830	2.930	21.990	20.000	10.0
alpha-BHC	3.390	3.340	3.440	11.660	10.000	16.6
beta-BHC	4.022	3.970	4.070	11.840	10.000	18.4
gamma-BHC (Lindane)	3.726	3.680	3.780	11.700	10.000	17.0
Endrin	5.785	5.710	5.860	54.470	50.000	8.9
4,4'-DDT	6.179	6.110	6.250	108.020	100.000	8.0
Methoxychlor	6.750	6.680	6.820	237.190	250.000	-5.1

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No. (PEM): PEM - PD089863.D **Date Analyzed:** 08/12/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 15:35

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.068	8.970	9.170	17.650	20.000	-11.8
Tetrachloro-m-xylene	3.547	3.500	3.600	18.000	20.000	-10.0
alpha-BHC	3.996	3.950	4.050	8.560	10.000	-14.4
beta-BHC	4.513	4.460	4.560	9.760	10.000	-2.4
gamma-BHC (Lindane)	4.327	4.280	4.380	8.890	10.000	-11.1
Endrin	6.571	6.500	6.640	40.110	50.000	-19.8
4,4'-DDT	7.018	6.950	7.090	73.170	100.000	-26.8
Methoxychlor	7.490	7.420	7.560	169.820	250.000	-32.1

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No. (PEM): PEM - PD089863.D **Date Analyzed:** 08/12/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 15:35

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.066	7.970	8.170	20.690	20.000	3.5
Tetrachloro-m-xylene	2.877	2.830	2.930	22.610	20.000	13.1
alpha-BHC	3.388	3.340	3.440	11.930	10.000	19.3
beta-BHC	4.022	3.970	4.070	12.380	10.000	23.8
gamma-BHC (Lindane)	3.726	3.680	3.780	12.080	10.000	20.8
Endrin	5.785	5.710	5.860	51.450	50.000	2.9
4,4'-DDT	6.178	6.110	6.250	96.150	100.000	-3.9
Methoxychlor	6.748	6.680	6.820	198.010	250.000	-20.8

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No. (PEM): PEM - PD089889.D **Date Analyzed:** 08/14/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:19

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.070	8.970	9.170	17.540	20.000	-12.3
Tetrachloro-m-xylene	3.548	3.500	3.600	18.240	20.000	-8.8
alpha-BHC	3.997	3.950	4.050	8.750	10.000	-12.5
beta-BHC	4.515	4.460	4.570	9.960	10.000	-0.4
gamma-BHC (Lindane)	4.328	4.280	4.380	9.120	10.000	-8.8
Endrin	6.571	6.500	6.640	45.130	50.000	-9.7
4,4'-DDT	7.019	6.950	7.090	84.340	100.000	-15.7
Methoxychlor	7.491	7.420	7.560	194.610	250.000	-22.2

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/31/2025 07/31/2025

Client Sample No. (PEM): PEM - PD089889.D **Date Analyzed:** 08/14/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:19

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.066	7.970	8.170	21.720	20.000	8.6
Tetrachloro-m-xylene	2.878	2.830	2.930	23.080	20.000	15.4
alpha-BHC	3.389	3.340	3.440	12.320	10.000	23.2
beta-BHC	4.022	3.970	4.070	12.430	10.000	24.3
gamma-BHC (Lindane)	3.726	3.680	3.780	12.470	10.000	24.7
Endrin	5.785	5.710	5.860	56.800	50.000	13.6
4,4'-DDT	6.178	6.110	6.250	110.160	100.000	10.2
Methoxychlor	6.749	6.680	6.820	219.220	250.000	-12.3

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Analytical Sequence

Client: Earth Engineering Inc. **SDG No.:** Q2818

Project: Reserve Turgyan Farms **Instrument ID:** ECD_D

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 07/31/2025 07/31/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	07/31/2025	10:33	PD089685.D	9.08	3.56
PEM	PEM	07/31/2025	10:47	PD089686.D	9.07	3.55
RESCHK	RESCHK	07/31/2025	11:34	PD089687.D	9.08	3.56
PSTDICC100	PSTDICC100	07/31/2025	11:47	PD089688.D	9.07	3.55
PSTDICC075	PSTDICC075	07/31/2025	12:01	PD089689.D	9.07	3.55
PSTDICC050	PSTDICC050	07/31/2025	12:14	PD089690.D	9.07	3.55
PSTDICC025	PSTDICC025	07/31/2025	12:28	PD089691.D	9.07	3.55
PSTDICC005	PSTDICC005	07/31/2025	12:41	PD089692.D	9.07	3.55
PCHLORICC500	PCHLORICC500	07/31/2025	13:23	PD089695.D	9.07	3.55
PTOXICC500	PTOXICC500	07/31/2025	14:31	PD089700.D	9.07	3.55
I.BLK	I.BLK	08/12/2025	15:22	PD089862.D	9.07	3.55
PEM	PEM	08/12/2025	15:35	PD089863.D	9.07	3.55
PSTDCCC050	PSTDCCC050	08/12/2025	16:05	PD089864.D	9.07	3.55
PB169206BL	PB169206BL	08/12/2025	16:33	PD089865.D	9.07	3.55
PB169206BS	PB169206BS	08/12/2025	16:47	PD089866.D	9.07	3.55
B-2-5-1	Q2818-01	08/12/2025	17:00	PD089867.D	9.07	3.55
B-3-5-2	Q2818-02	08/12/2025	17:14	PD089868.D	9.07	3.55
I.BLK	I.BLK	08/12/2025	18:50	PD089875.D	9.07	3.55
PSTDCCC050	PSTDCCC050	08/12/2025	20:12	PD089876.D	9.07	3.55
I.BLK	I.BLK	08/14/2025	12:05	PD089888.D	9.07	3.55
PEM	PEM	08/14/2025	12:19	PD089889.D	9.07	3.55
PSTDCCC050	PSTDCCC050	08/14/2025	12:52	PD089890.D	9.08	3.55
17M-WMS	Q2819-14MS	08/14/2025	14:14	PD089894.D	9.07	3.55
17M-WMSD	Q2819-14MSD	08/14/2025	14:28	PD089895.D	9.07	3.55
I.BLK	I.BLK	08/14/2025	15:50	PD089901.D	9.07	3.55
PSTDCCC050	PSTDCCC050	08/14/2025	17:10	PD089902.D	9.08	3.56

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Analytical Sequence

Client: Earth Engineering Inc. **SDG No.:** Q2818

Project: Reserve Turgyan Farms **Instrument ID:** ECD_D

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 07/31/2025 07/31/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	07/31/2025	10:33	PD089685.D	8.07	2.88
PEM	PEM	07/31/2025	10:47	PD089686.D	8.07	2.88
RESCHK	RESCHK	07/31/2025	11:34	PD089687.D	8.07	2.88
PSTDICC100	PSTDICC100	07/31/2025	11:47	PD089688.D	8.07	2.88
PSTDICC075	PSTDICC075	07/31/2025	12:01	PD089689.D	8.07	2.88
PSTDICC050	PSTDICC050	07/31/2025	12:14	PD089690.D	8.07	2.88
PSTDICC025	PSTDICC025	07/31/2025	12:28	PD089691.D	8.07	2.88
PSTDICC005	PSTDICC005	07/31/2025	12:41	PD089692.D	8.07	2.88
PCHLORICC500	PCHLORICC500	07/31/2025	13:23	PD089695.D	8.07	2.88
PTOXICC500	PTOXICC500	07/31/2025	14:31	PD089700.D	8.07	2.88
I.BLK	I.BLK	08/12/2025	15:22	PD089862.D	8.07	2.88
PEM	PEM	08/12/2025	15:35	PD089863.D	8.07	2.88
PSTDCCC050	PSTDCCC050	08/12/2025	16:05	PD089864.D	8.07	2.88
PB169206BL	PB169206BL	08/12/2025	16:33	PD089865.D	8.07	2.88
PB169206BS	PB169206BS	08/12/2025	16:47	PD089866.D	8.07	2.88
B-2-5-1	Q2818-01	08/12/2025	17:00	PD089867.D	8.06	2.88
B-3-5-2	Q2818-02	08/12/2025	17:14	PD089868.D	8.06	2.88
I.BLK	I.BLK	08/12/2025	18:50	PD089875.D	8.07	2.88
PSTDCCC050	PSTDCCC050	08/12/2025	20:12	PD089876.D	8.07	2.88
I.BLK	I.BLK	08/14/2025	12:05	PD089888.D	8.07	2.88
PEM	PEM	08/14/2025	12:19	PD089889.D	8.07	2.88
PSTDCCC050	PSTDCCC050	08/14/2025	12:52	PD089890.D	8.07	2.88
17M-WMS	Q2819-14MS	08/14/2025	14:14	PD089894.D	8.07	2.88
17M-WMSD	Q2819-14MSD	08/14/2025	14:28	PD089895.D	8.07	2.88
I.BLK	I.BLK	08/14/2025	15:50	PD089901.D	8.07	2.88
PSTDCCC050	PSTDCCC050	08/14/2025	17:10	PD089902.D	8.07	2.88

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

17M-WMS

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Lab Sample ID: Q2819-14MS **Date(s) Analyzed:** 08/14/2025 08/14/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.79	6.74	6.84	21.8	128.4
	2	6.08	6.03	6.13	100	
4,4'-DDD	1	6.70	6.65	6.75	16.3	4.4
	2	5.93	5.88	5.98	15.6	
4,4'-DDT	1	7.02	6.97	7.07	23.7	30.4
	2	6.18	6.13	6.23	32.2	
Endosulfan sulfate	1	7.15	7.10	7.20	20.3	4.8
	2	6.48	6.43	6.53	21.3	
alpha-BHC	1	4.00	3.95	4.05	20.0	13.1
	2	3.39	3.34	3.44	22.8	
Aldrin	1	5.26	5.21	5.31	14.7	55.2
	2	4.37	4.32	4.42	25.9	
beta-BHC	1	4.52	4.47	4.57	19.1	17.7
	2	4.02	3.97	4.07	22.8	
delta-BHC	1	4.76	4.71	4.81	19.3	18.8
	2	4.26	4.21	4.31	23.3	
Endosulfan I	1	6.07	6.02	6.12	19.2	21
	2	5.24	5.19	5.29	23.7	
alpha-Chlordane	1	6.03	5.98	6.08	384	50.2
	2	5.18	5.13	5.23	230	
4,4'-DDE	1	6.19	6.14	6.24	30.5	15.2
	2	5.37	5.32	5.42	26.2	
Dieldrin	1	6.35	6.30	6.40	20.3	19.6
	2	5.51	5.46	5.56	24.7	
Endrin aldehyde	1	6.91	6.86	6.96	21.1	8.2
	2	6.26	6.21	6.31	22.9	
Methoxychlor	1	7.49	7.44	7.54	14.6	27.2
	2	6.75	6.70	6.80	19.2	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

17M-WMS

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Lab Sample ID: Q2819-14MS **Date(s) Analyzed:** 08/14/2025 08/14/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin ketone	1	7.63	7.58	7.68	16.5	24
	2	6.99	6.94	7.04	21.0	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	19.3	17.1
	2	3.73	3.68	3.78	22.9	
Heptachlor	1	4.93	4.88	4.98	19.2	13.6
	2	4.08	4.03	4.13	22.0	
Heptachlor epoxide	1	5.68	5.63	5.73	26.6	16.6
	2	4.87	4.82	4.92	31.4	
gamma-Chlordane	1	5.94	5.89	5.99	327	49.6
	2	5.13	5.08	5.18	197	
Endrin	1	6.57	6.52	6.62	16.9	68.2
	2	5.79	5.74	5.84	34.4	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

17M-WMSD

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Lab Sample ID: Q2819-14MSD **Date(s) Analyzed:** 08/14/2025 08/14/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Aldrin	1	5.26	5.21	5.31	24.7	4
	2	4.37	4.32	4.42	25.7	
beta-BHC	1	4.52	4.47	4.57	19.0	18.2
	2	4.02	3.97	4.07	22.8	
delta-BHC	1	4.76	4.71	4.81	19.5	18.6
	2	4.26	4.21	4.31	23.5	
Heptachlor epoxide	1	5.68	5.63	5.73	28.8	8
	2	4.87	4.82	4.92	31.2	
Endosulfan I	1	6.07	6.02	6.12	19.1	17.7
	2	5.24	5.19	5.29	16.0	
gamma-Chlordane	1	5.95	5.90	6.00	325	50
	2	5.13	5.08	5.18	195	
alpha-Chlordane	1	6.03	5.98	6.08	383	49.5
	2	5.18	5.13	5.23	231	
4,4'-DDE	1	6.19	6.14	6.24	30.1	15.8
	2	5.37	5.32	5.42	25.7	
Dieldrin	1	6.35	6.30	6.40	20.3	19.6
	2	5.51	5.46	5.56	24.7	
Endrin	1	6.57	6.52	6.62	15.3	76.6
	2	5.79	5.74	5.84	34.3	
Endosulfan II	1	6.79	6.74	6.84	21.7	129.3
	2	6.09	6.04	6.14	101	
4,4'-DDD	1	6.70	6.65	6.75	16.8	35.3
	2	5.92	5.87	5.97	24.0	
4,4'-DDT	1	7.02	6.97	7.07	24.7	29.7
	2	6.18	6.13	6.23	33.3	
Endrin aldehyde	1	6.91	6.86	6.96	22.2	6.5
	2	6.26	6.21	6.31	23.7	

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

17M-WMSD

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Lab Sample ID: Q2819-14MSD **Date(s) Analyzed:** 08/14/2025 08/14/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan sulfate	1	7.15	7.10	7.20	20.4	6.6
	2	6.48	6.43	6.53	21.8	
Methoxychlor	1	7.49	7.44	7.54	17.3	16.9
	2	6.75	6.70	6.80	20.5	
Endrin ketone	1	7.63	7.58	7.68	17.0	23.8
	2	6.99	6.94	7.04	21.6	
alpha-BHC	1	4.00	3.95	4.05	19.9	13.1
	2	3.39	3.34	3.44	22.7	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	19.2	18
	2	3.73	3.68	3.78	23.0	
Heptachlor	1	4.93	4.88	4.98	19.9	14
	2	4.08	4.03	4.13	22.9	

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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

B-2-5-1

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Lab Sample ID: Q2818-01 **Date(s) Analyzed:** 08/12/2025 08/12/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	0.43	54
	2	5.92	5.87	5.97	0.25	
gamma-Chlordane	1	5.94	5.89	5.99	0.23	25.9
	2	5.12	5.07	5.17	0.18	
alpha-Chlordane	1	6.03	5.98	6.08	0.31	22
	2	5.18	5.13	5.23	0.38	
4,4'-DDE	1	6.19	6.14	6.24	0.86	48.3
	2	5.37	5.32	5.42	1.40	

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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

B-3-5-2

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Lab Sample ID: Q2818-02 **Date(s) Analyzed:** 08/12/2025 08/12/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
alpha-Chlordane	1	6.03	5.98	6.08	0.47	55.3
	2	5.19	5.14	5.24	0.84	
4,4'-DDE	1	6.19	6.14	6.24	0.92	53.7
	2	5.37	5.32	5.42	1.60	
Methoxychlor	1	7.49	7.44	7.54	2.20	148.2
	2	6.75	6.70	6.80	14.8	
Dieldrin	1	6.34	6.29	6.39	1.40	106.7
	2	5.51	5.46	5.56	4.60	

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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB169206BS

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Lab Sample ID: PB169206BS **Date(s) Analyzed:** 08/12/2025 08/12/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.70	6.65	6.75	16.1	22.1
	2	5.92	5.87	5.97	20.1	
4,4'-DDE	1	6.19	6.14	6.24	15.5	19.8
	2	5.37	5.32	5.42	18.9	
4,4'-DDT	1	7.02	6.97	7.07	13.0	26.1
	2	6.18	6.13	6.23	16.9	
alpha-BHC	1	4.00	3.95	4.05	15.8	16.8
	2	3.39	3.34	3.44	18.7	
Aldrin	1	5.27	5.22	5.32	15.7	18
	2	4.36	4.31	4.41	18.8	
alpha-Chlordane	1	6.02	5.97	6.07	15.4	20.4
	2	5.19	5.14	5.24	18.9	
Endosulfan II	1	6.78	6.73	6.83	15.0	22.5
	2	6.08	6.03	6.13	18.8	
Endosulfan sulfate	1	7.15	7.10	7.20	14.8	21.1
	2	6.48	6.43	6.53	18.3	
beta-BHC	1	4.51	4.46	4.56	15.6	18.1
	2	4.02	3.97	4.07	18.7	
delta-BHC	1	4.76	4.71	4.81	16.1	16
	2	4.26	4.21	4.31	18.9	
Endosulfan I	1	6.07	6.02	6.12	15.4	19.4
	2	5.24	5.19	5.29	18.7	
Dieldrin	1	6.34	6.29	6.39	15.3	20.5
	2	5.51	5.46	5.56	18.8	
Endrin aldehyde	1	6.91	6.86	6.96	16.4	21.3
	2	6.25	6.20	6.30	20.3	
Methoxychlor	1	7.49	7.44	7.54	12.5	25.8
	2	6.75	6.70	6.80	16.2	

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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB169206BS

Lab Name: Alliance **Contract:** EARTH03

Lab Code: ACE **SDG NO.:** Q2818

Lab Sample ID: PB169206BS **Date(s) Analyzed:** 08/12/2025 08/12/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin ketone	1	7.63	7.58	7.68	15.3	24.1
	2	6.99	6.94	7.04	19.5	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	15.7	17.4
	2	3.73	3.68	3.78	18.7	
Heptachlor	1	4.93	4.88	4.98	14.7	18.5
	2	4.08	4.03	4.13	17.7	
Heptachlor epoxide	1	5.69	5.64	5.74	15.4	18.8
	2	4.87	4.82	4.92	18.6	
gamma-Chlordane	1	5.94	5.89	5.99	15.5	19.8
	2	5.12	5.07	5.17	18.9	
Endrin	1	6.57	6.52	6.62	13.5	21.2
	2	5.78	5.73	5.83	16.7	

SAMPLE RAW DATA

Sample Results: **PD089867.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089867.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 17:00
Operator : AR\AJ
Sample : Q2818-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
B-2-5-1

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:13:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.547	2.877	34960887	265.7E6	14.174	16.779m
28) SA	Decachlor...	9.068	8.064	47211610	355.9E6	12.704	17.725 #
	Target Compounds						
10) B	gamma-Chl...	5.941	5.119	2553393	10101683	0.611	0.467m
11) B	alpha-Chl...	6.026	5.184	3409569	20952622	0.811	1.006m
12) B	4,4'-DDE	6.192	5.370	8400995	77381831	2.252	3.661 #
16) A	4,4'-DDD	6.706	5.924	3389352	11431944	1.132	0.648 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

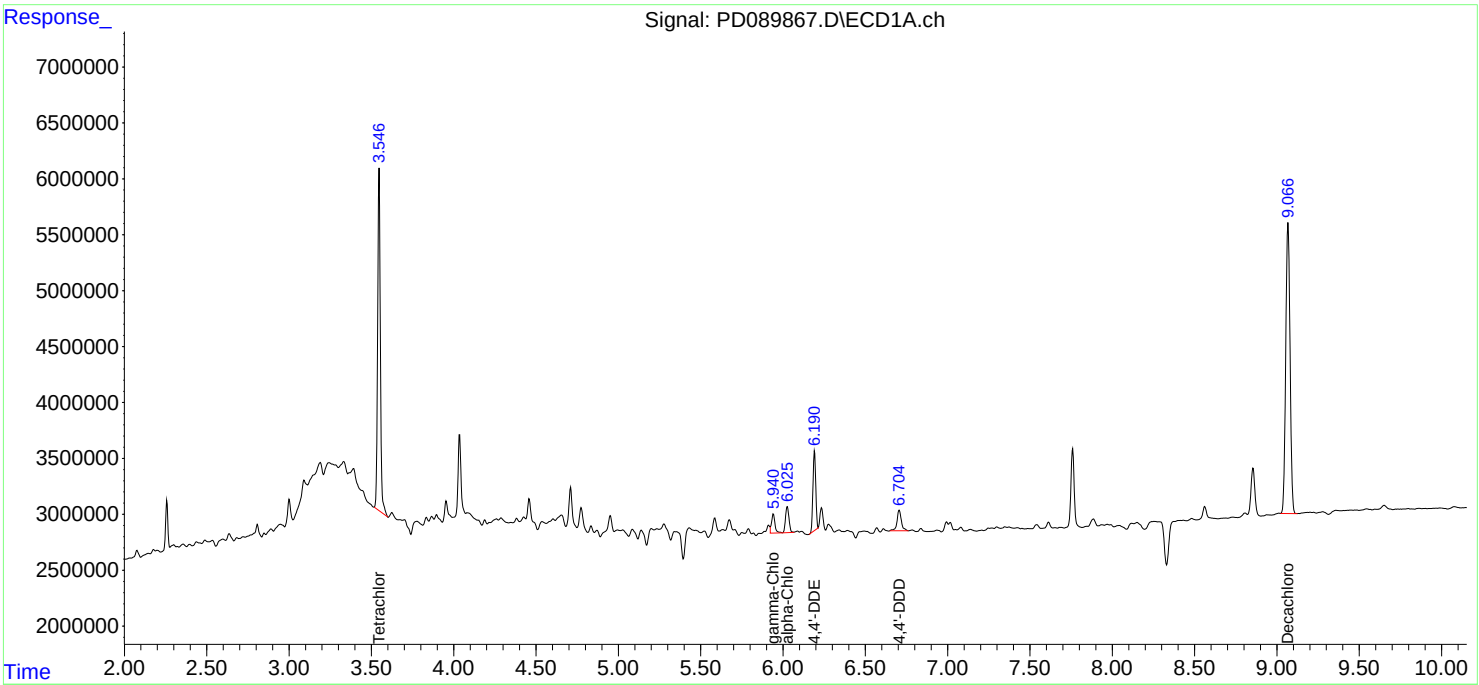
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089867.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 17:00
Operator : AR\AJ
Sample : Q2818-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

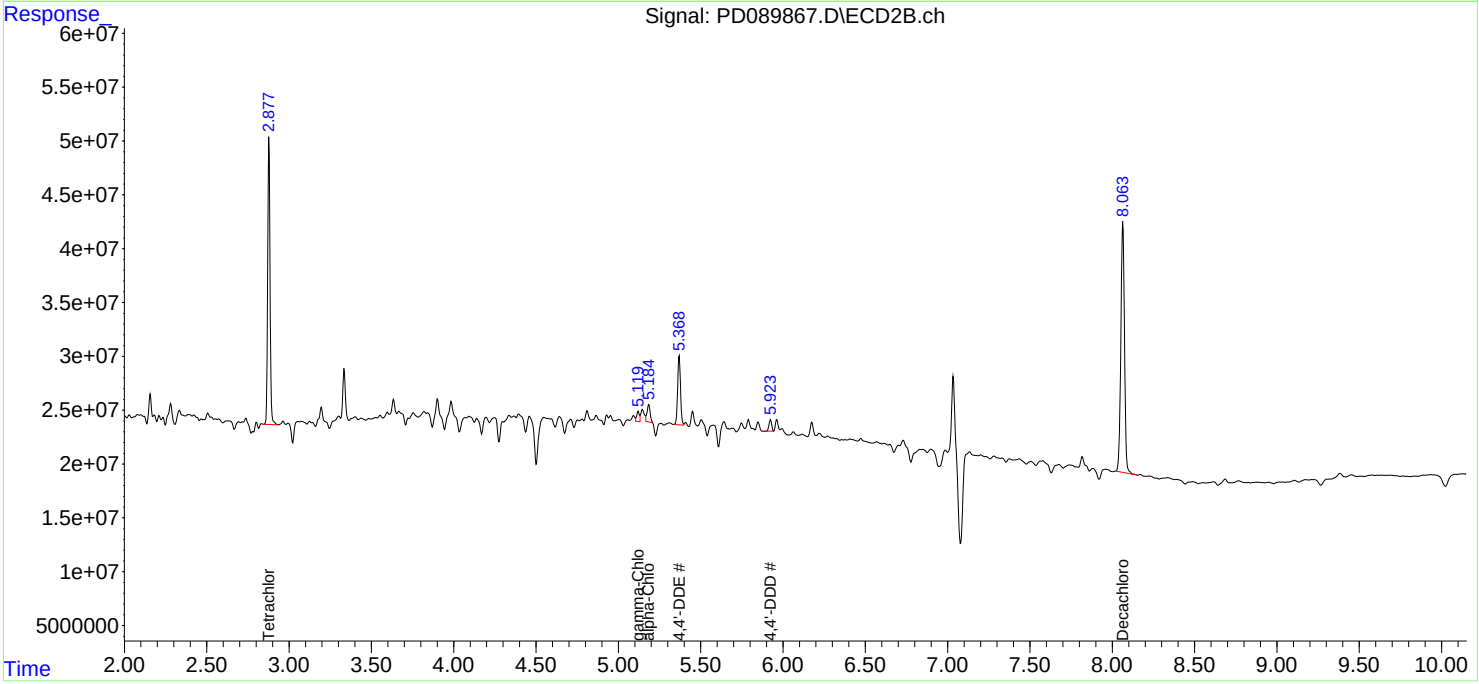
Instrument :
ECD_D
ClientSampleId :
B-2-5-1

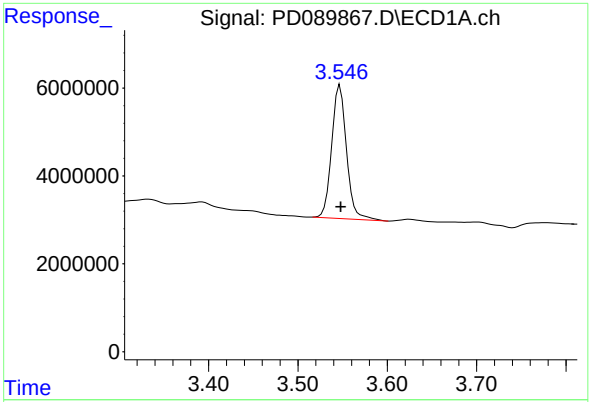
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:13:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm







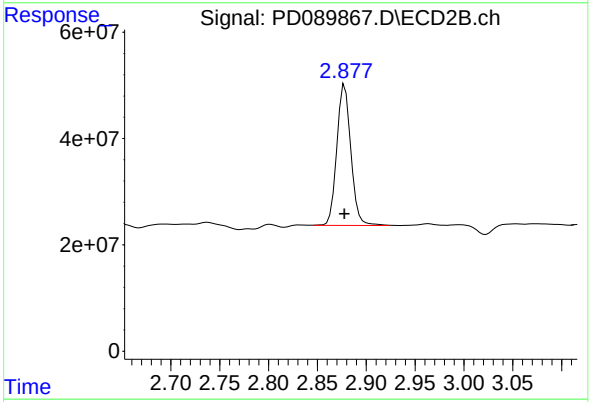
#1 Tetrachloro-m-xylene

R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 34960887
Conc: 14.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
B-2-5-1

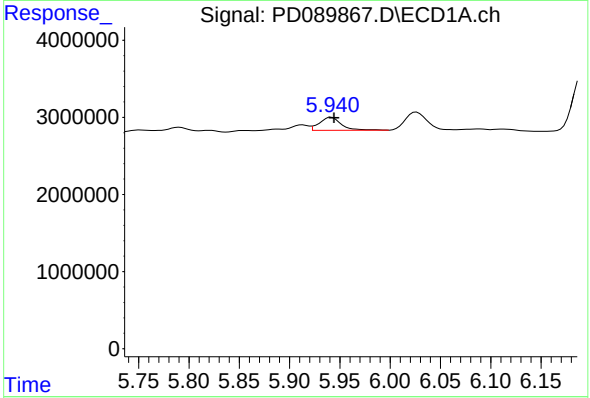
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025



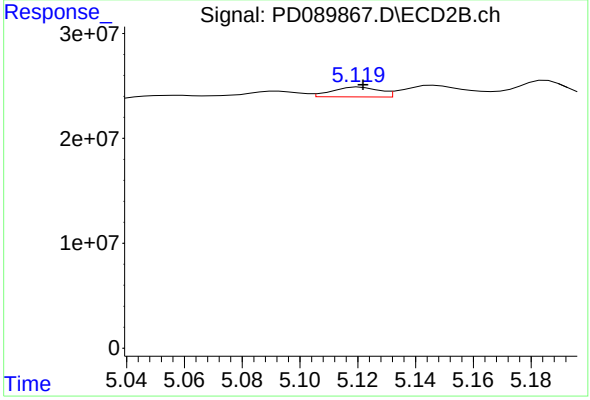
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 265738866
Conc: 16.78 ng/ml m



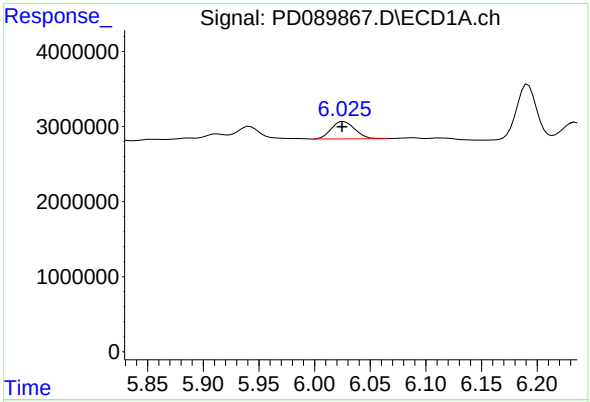
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: -0.003 min
Response: 2553393
Conc: 0.61 ng/ml



#10 gamma-Chlordane

R.T.: 5.119 min
Delta R.T.: -0.003 min
Response: 10101683
Conc: 0.47 ng/ml m



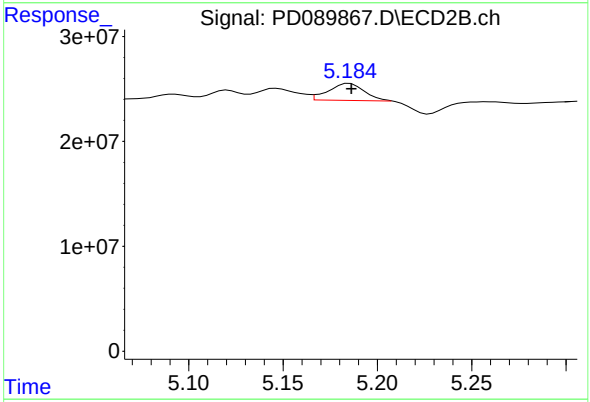
#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: 0.001 min
Response: 3409569
Conc: 0.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
B-2-5-1

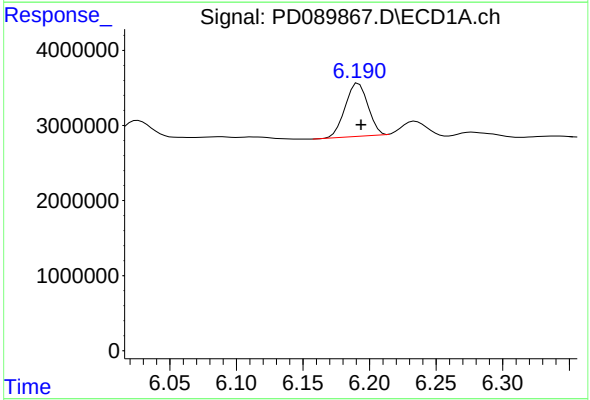
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025



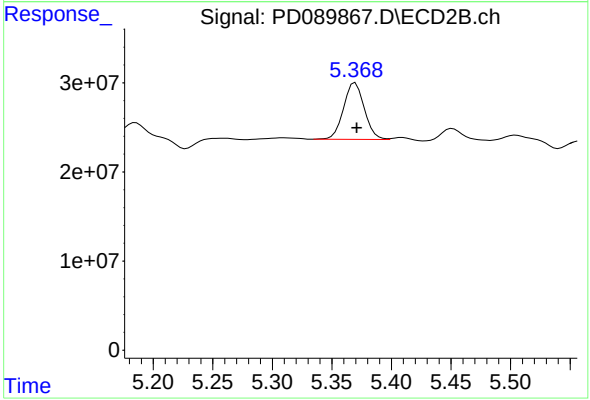
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: -0.002 min
Response: 20952622
Conc: 1.01 ng/ml m



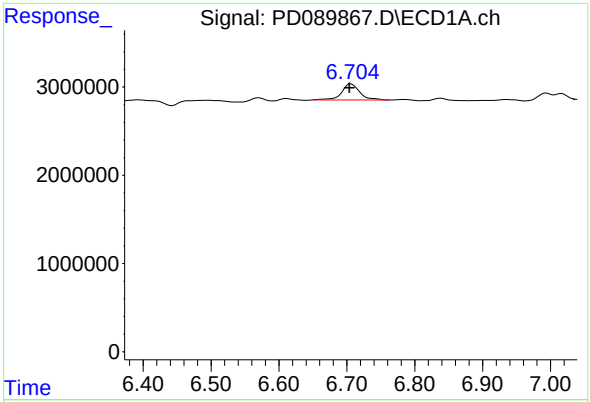
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: -0.002 min
Response: 8400995
Conc: 2.25 ng/ml



#12 4,4'-DDE

R.T.: 5.370 min
Delta R.T.: -0.001 min
Response: 77381831
Conc: 3.66 ng/ml



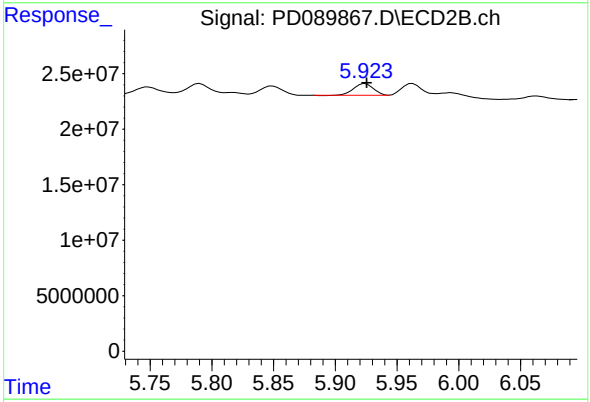
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: 0.002 min
Response: 3389352
Conc: 1.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
B-2-5-1

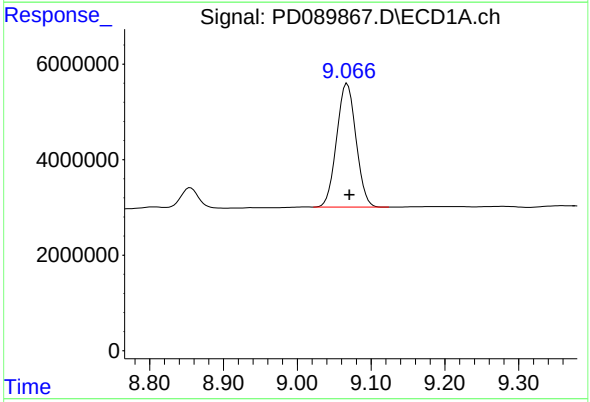
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025



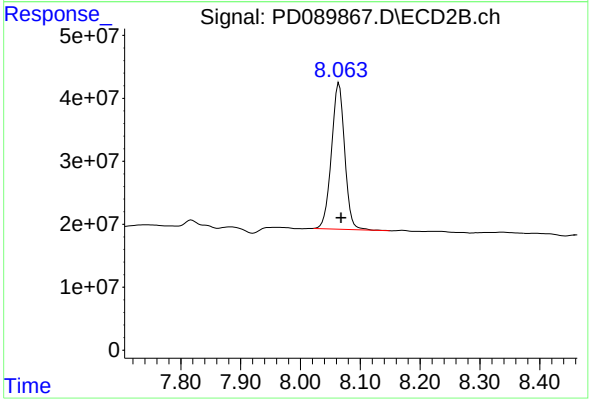
#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: -0.001 min
Response: 11431944
Conc: 0.65 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: -0.003 min
Response: 47211610
Conc: 12.70 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: -0.003 min
Response: 355885412
Conc: 17.73 ng/ml

Sample Results: **PD089868.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089868.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 17:14
Operator : AR\AJ
Sample : Q2818-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
B-3-5-2

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:13:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.546	2.877	45045447	305.5E6	18.262m	19.287m
28)	SA Decachlor...	9.067	8.064	53752618	334.1E6	14.464m	16.642m
	Target Compounds						
11)	B alpha-Chl...	6.026	5.186	5334736	46611469	1.269m	2.239m#
12)	B 4,4'-DDE	6.189	5.367	9209407	88097582	2.469m	4.168m#
13)	MA Dieldrin	6.342	5.506	15931222	263.5E6	3.772m	12.179m#
20)	A Methoxychlor	7.485	6.745	10352706	388.2E6	5.790m	39.625m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

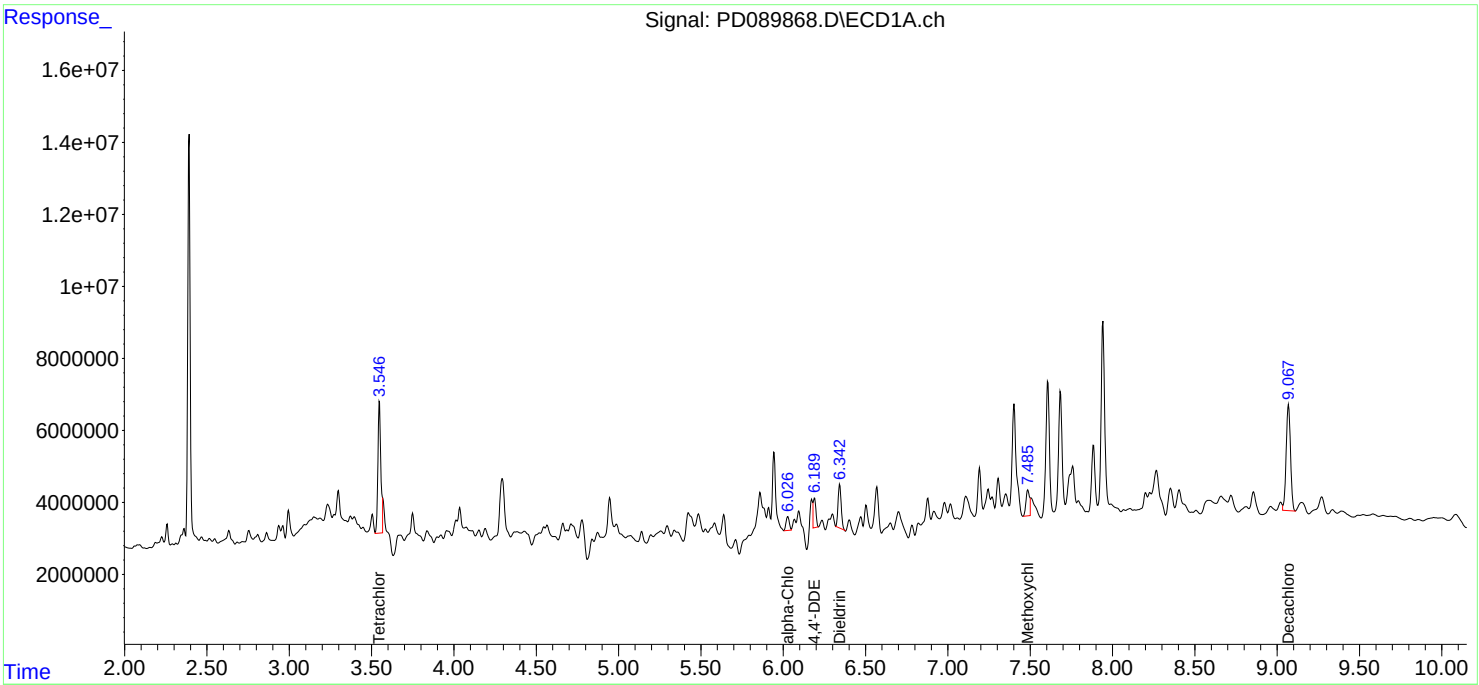
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089868.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 17:14
Operator : AR\AJ
Sample : Q2818-02
Misc :
ALS Vial : 8 Sample Multiplier: 1

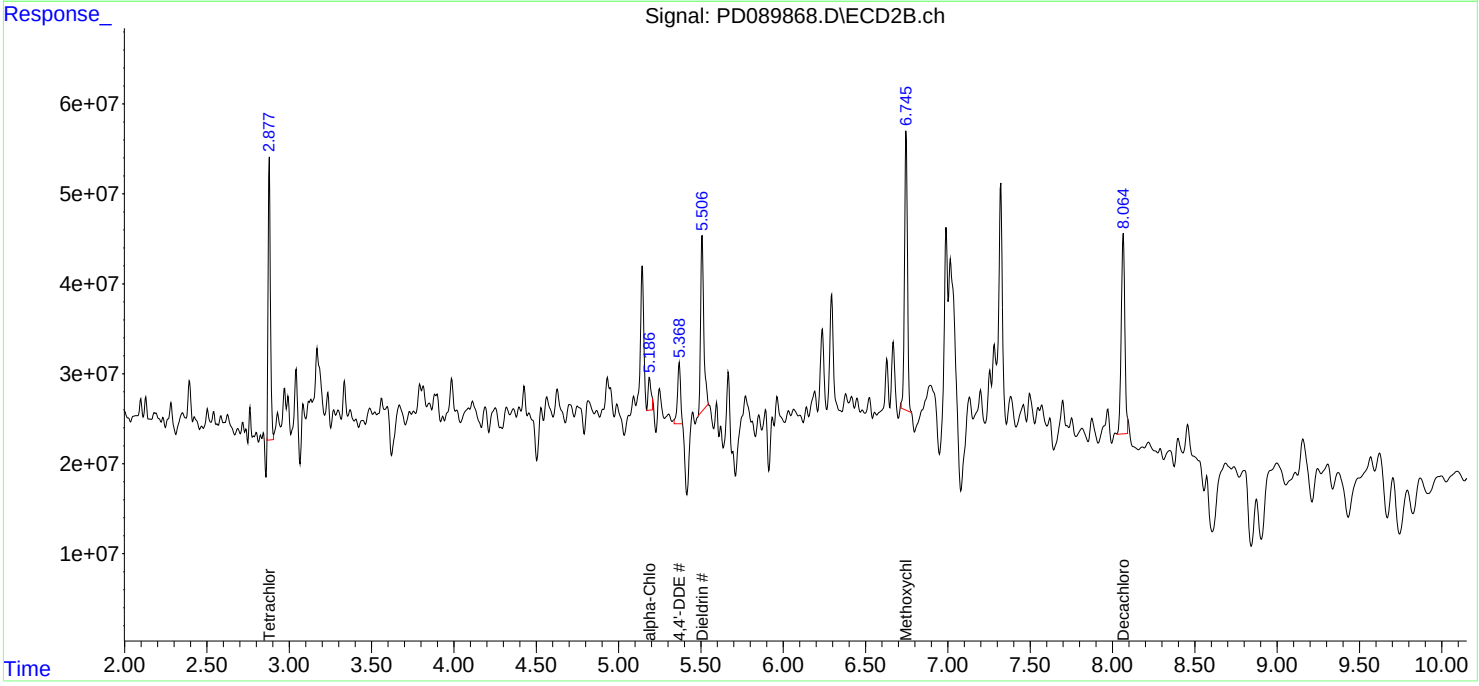
Instrument :
ECD_D
ClientSampleId :
B-3-5-2

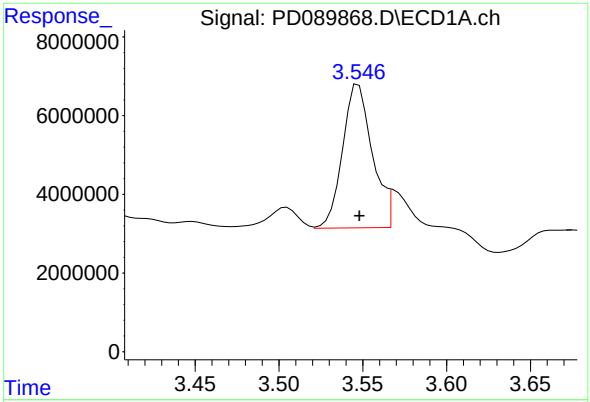
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:13:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm







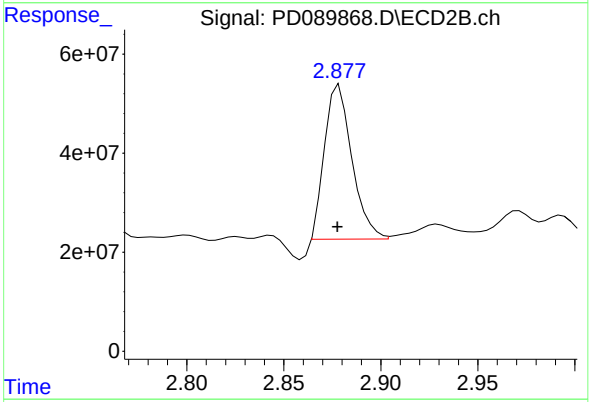
#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: -0.002 min
Response: 45045447
Conc: 18.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
B-3-5-2

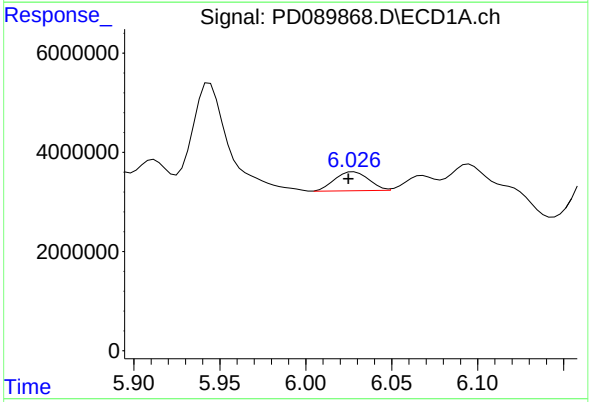
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025



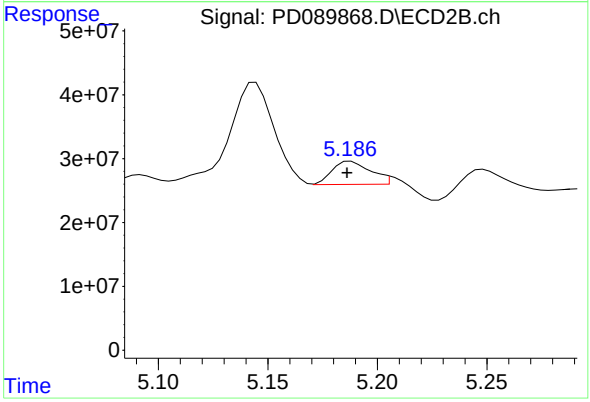
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 305467264
Conc: 19.29 ng/ml m



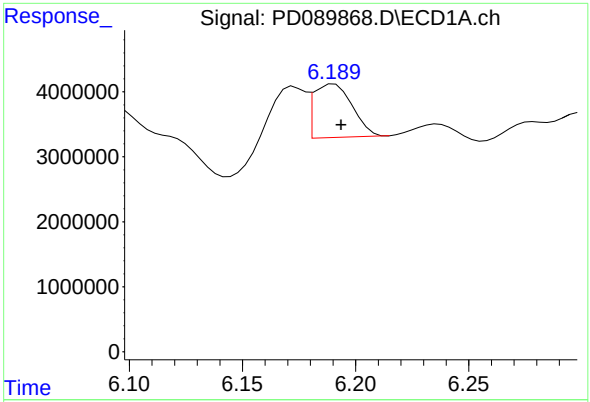
#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: 0.002 min
Response: 5334736
Conc: 1.27 ng/ml m



#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 46611469
Conc: 2.24 ng/ml m



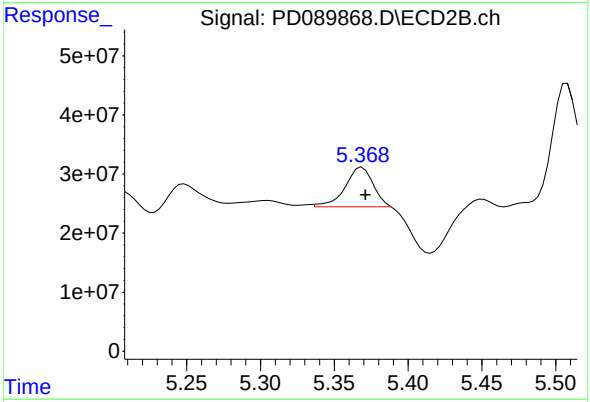
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.004 min
Response: 9209407
Conc: 2.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
B-3-5-2

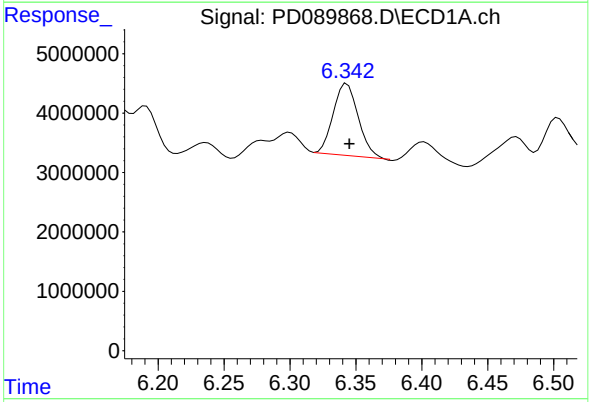
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025



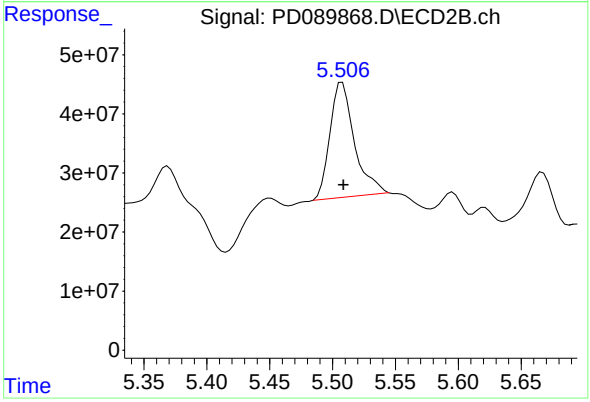
#12 4,4'-DDE

R.T.: 5.367 min
Delta R.T.: -0.003 min
Response: 88097582
Conc: 4.17 ng/ml m



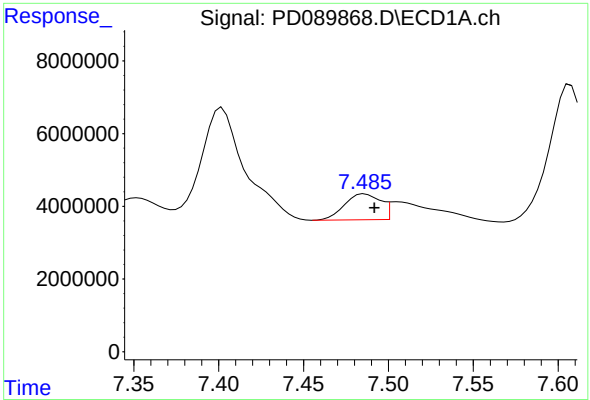
#13 Dieldrin

R.T.: 6.342 min
Delta R.T.: -0.003 min
Response: 15931222
Conc: 3.77 ng/ml m



#13 Dieldrin

R.T.: 5.506 min
Delta R.T.: -0.002 min
Response: 263540293
Conc: 12.18 ng/ml m



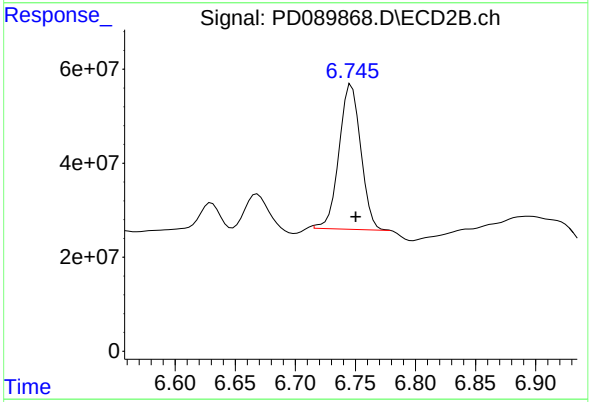
#20 Methoxychlor

R.T.: 7.485 min
Delta R.T.: -0.007 min
Response: 10352706
Conc: 5.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
B-3-5-2

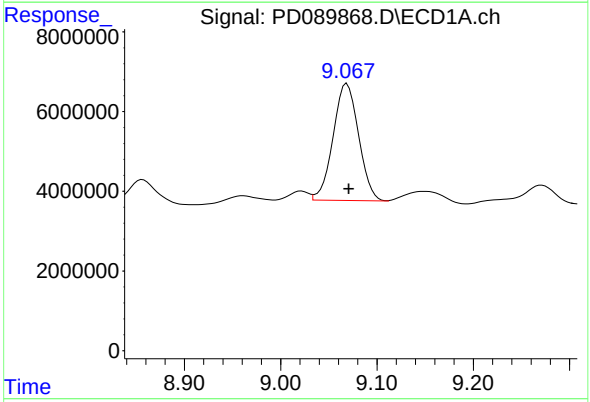
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/13/2025
Supervised By :mohammad ahmed 08/14/2025



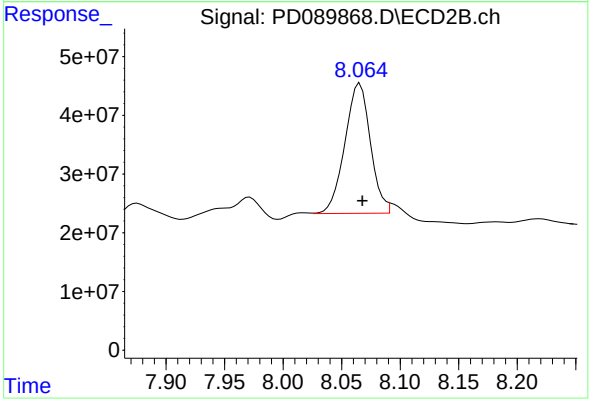
#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: -0.005 min
Response: 388151041
Conc: 39.63 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: -0.003 min
Response: 53752618
Conc: 14.46 ng/ml m



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: -0.004 min
Response: 334136443
Conc: 16.64 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089865.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 16:33
Operator : AR\AJ
Sample : PB169206BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB169206BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:12:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.547	2.878	46236397	379.5E6	18.745	23.962 #
28)	SA Decachlor...	9.068	8.065	71933652	455.6E6	19.356	22.693
	Target Compounds						

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

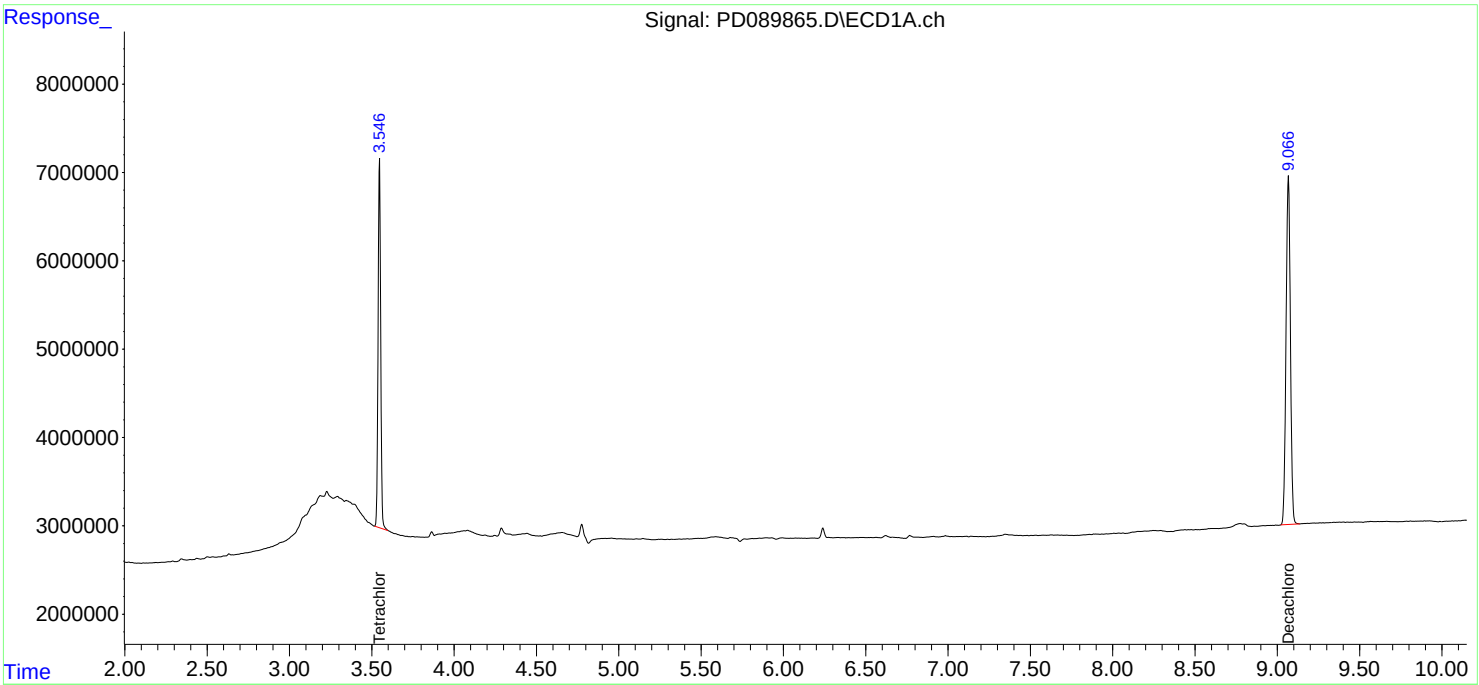
Sample Results: **PD089865.D**

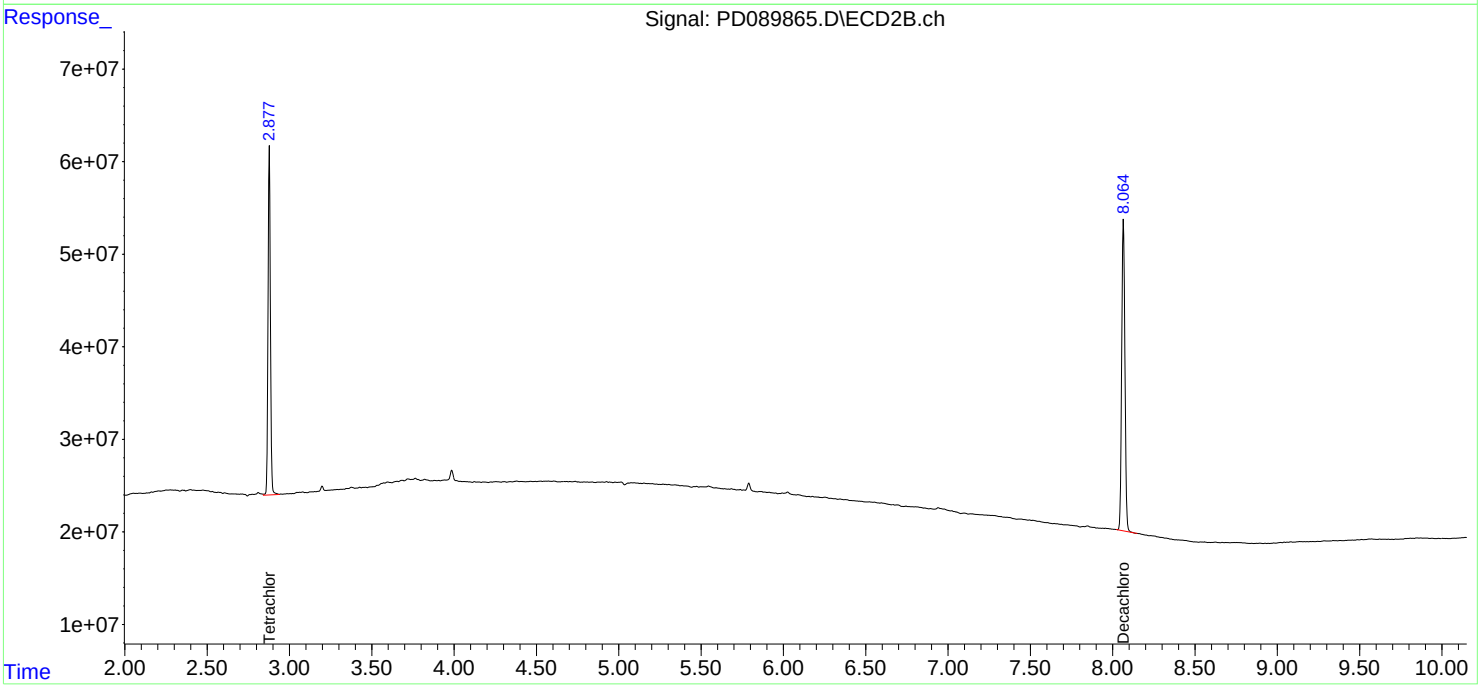
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089865.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 16:33
Operator : AR\AJ
Sample : PB169206BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

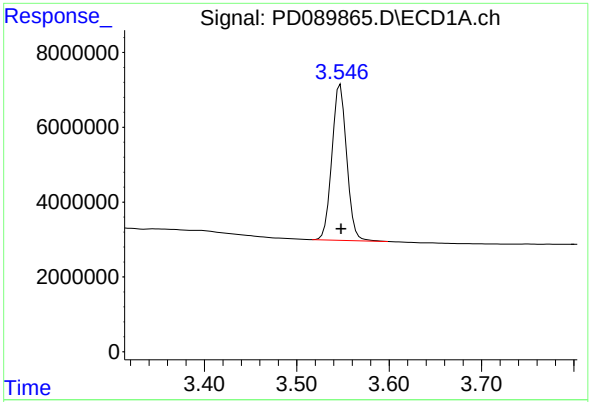
Instrument :
ECD_D
ClientSampleId :
PB169206BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:12:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



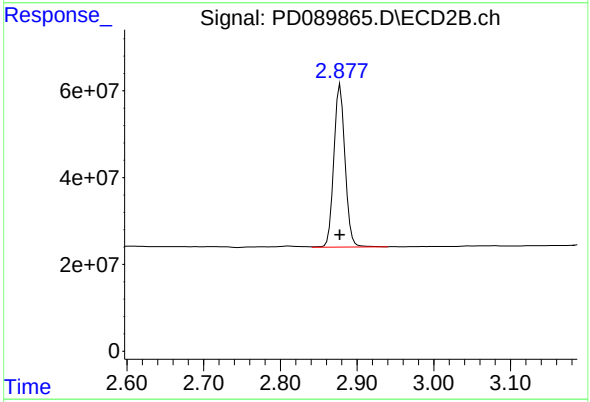




#1 Tetrachloro-m-xylene

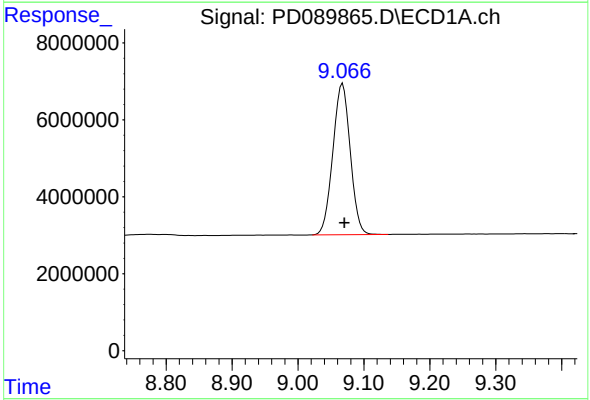
R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 46236397
Conc: 18.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169206BL



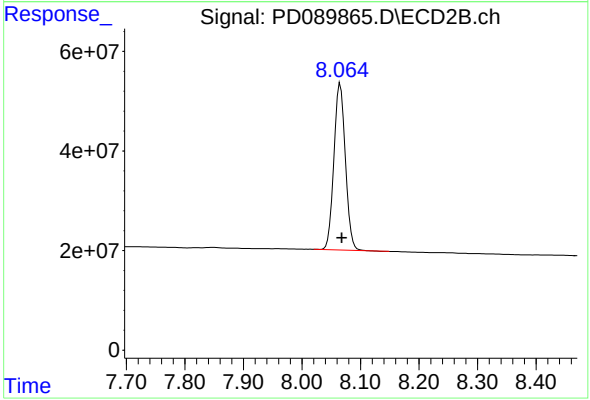
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 379502688
Conc: 23.96 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: -0.003 min
Response: 71933652
Conc: 19.36 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: -0.002 min
Response: 455636513
Conc: 22.69 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089866.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 16:47
Operator : AR\AJ
Sample : PB169206BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB169206BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:12:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.547	2.878	44644280	367.5E6	18.100	23.205 #
28)	SA Decachlor...	9.067	8.066	70500693	447.9E6	18.971	22.306
	Target Compounds						
2)	A alpha-BHC	3.997	3.389	235.5E6	1364.2E6	47.540	56.129
3)	MA gamma-BHC...	4.327	3.726	224.6E6	1267.4E6	47.266	56.267
4)	MA Heptachlor	4.926	4.078	211.7E6	1236.4E6	44.005	53.272
5)	MB Aldrin	5.267	4.364	214.7E6	1255.3E6	47.035	56.417
6)	B beta-BHC	4.513	4.022	86419412	542.3E6	46.848	56.200
7)	B delta-BHC	4.761	4.258	222.2E6	1290.5E6	48.444	56.814
8)	B Heptachlo...	5.687	4.868	193.1E6	1149.2E6	46.198	55.922
9)	A Endosulfan I	6.071	5.242	182.9E6	1097.5E6	46.141	56.144
10)	B gamma-Chl...	5.942	5.120	194.5E6	1231.7E6	46.548	56.881
11)	B alpha-Chl...	6.023	5.185	194.3E6	1181.7E6	46.212	56.751
12)	B 4,4'-DDE	6.192	5.370	173.1E6	1197.6E6	46.401	56.659
13)	MA Dieldrin	6.343	5.508	194.2E6	1223.7E6	45.993	56.553
14)	MA Endrin	6.570	5.784	144.6E6	996.9E6	40.422	50.030
15)	B Endosulfa...	6.783	6.075	165.2E6	1061.1E6	45.033	56.441 #
16)	A 4,4'-DDD	6.702	5.924	144.4E6	1065.2E6	48.221	60.412 #
17)	MA 4,4'-DDT	7.018	6.177	131.3E6	930.2E6	39.085	50.628 #
18)	B Endrin al...	6.912	6.254	123.1E6	789.4E6	49.321	61.099
19)	B Endosulfa...	7.146	6.477	154.5E6	1020.0E6	44.511	54.939
20)	A Methoxychlor	7.490	6.749	67235413	477.6E6	37.604	48.760 #
21)	B Endrin ke...	7.627	6.986	170.4E6	1177.8E6	45.889	58.689 #
22)	Mirex	8.109	7.179	120.2E6	842.1E6	43.115	55.327 #

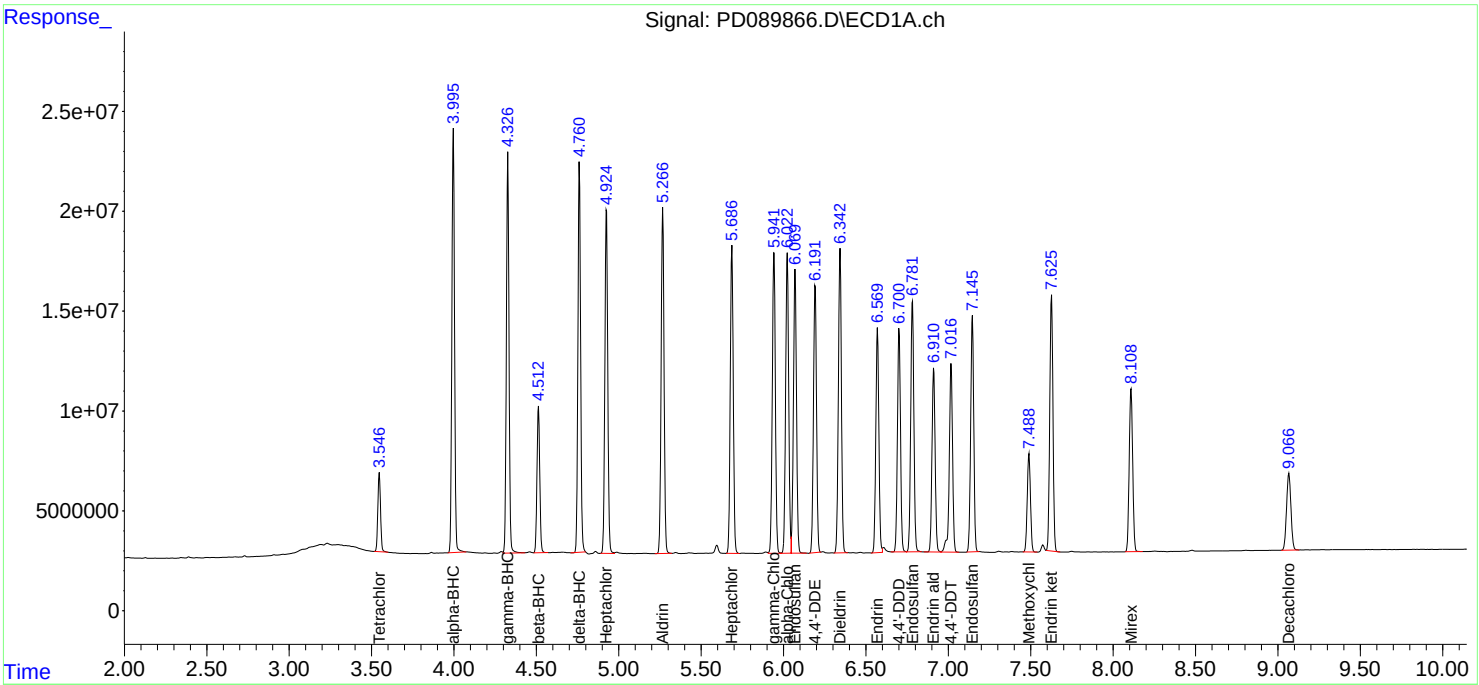
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

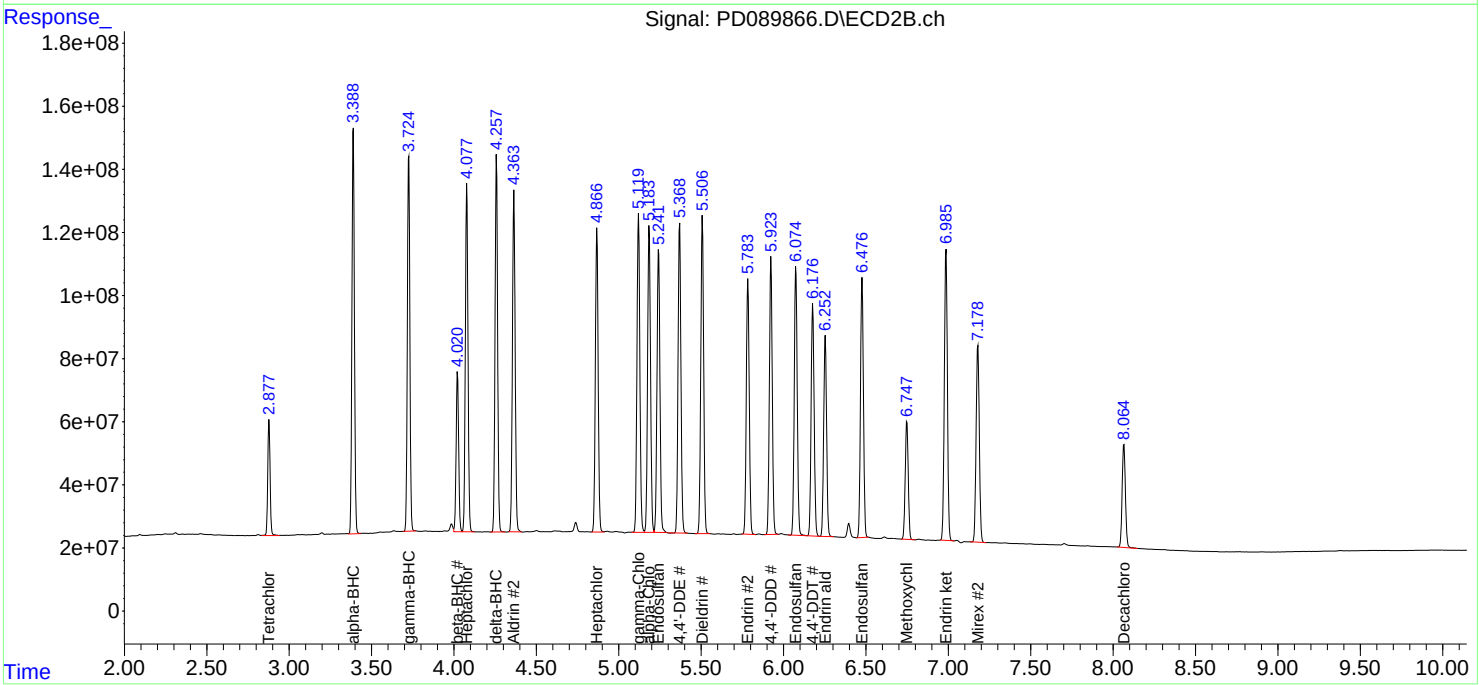
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081325\
Data File : PD089866.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Aug 2025 16:47
Operator : AR\AJ
Sample : PB169206BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB169206BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 02:12:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089894.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 14:14
Operator : AR\AJ
Sample : Q2819-14MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
17M-WMS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 17:26:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound		RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds							
1)	SA	Tetrachlo...	3.548	2.877	42641031	337.8E6	17.287	21.329m
28)	SA	Decachlor...	9.070	8.067	45831658	355.0E6	12.333	17.684 #
	Target Compounds							
2)	A	alpha-BHC	3.998	3.389	255.0E6	1426.7E6	51.475	58.702m
3)	MA	gamma-BHC...	4.329	3.727	235.3E6	1324.6E6	49.509	58.809
4)	MA	Heptachlor	4.927	4.079	237.1E6	1314.7E6	49.267	56.647
5)	MB	Aldrin	5.263	4.365	172.8E6	1478.0E6	37.848m	66.426 #
6)	B	beta-BHC	4.515	4.023	90363742	564.7E6	48.986	58.529
7)	B	delta-BHC	4.764	4.259	227.8E6	1357.5E6	49.662	59.760
8)	B	Heptachlo...	5.683	4.869	285.3E6	1660.3E6	68.251m	80.794
9)	A	Endosulfan I	6.071	5.239	196.0E6	1192.9E6	49.444	61.021m
10)	B	gamma-Chl...	5.944	5.127	3510.5E6	10951.0E6	840.029	505.743 #
11)	B	alpha-Chl...	6.026	5.181	4153.1E6	12306.5E6	987.849	591.036 #
12)	B	4,4'-DDE	6.193	5.371	292.3E6	1422.5E6	78.378	67.299
13)	MA	Dieldrin	6.345	5.507	220.8E6	1373.1E6	52.270	63.456m
14)	MA	Endrin	6.571	5.785	155.7E6	1758.7E6	43.509m	88.267m#
15)	B	Endosulfa...	6.785	6.084	205.4E6	4836.0E6	55.982	257.240 #
16)	A	4,4'-DDD	6.701	5.925	125.2E6	705.2E6	41.807m	39.992
17)	MA	4,4'-DDT	7.019	6.179	204.7E6	1520.0E6	60.923	82.734 #
18)	B	Endrin al...	6.914	6.255	135.6E6	758.8E6	54.336	58.725
19)	B	Endosulfa...	7.149	6.478	180.6E6	1014.2E6	52.047	54.626
20)	A	Methoxychlor	7.492	6.749	67095468	483.8E6	37.526	49.388 #
21)	B	Endrin ke...	7.628	6.987	157.2E6	1080.7E6	42.336	53.853 #
22)		Mirex	8.112	7.179	122.6E6	875.0E6	43.967	57.483m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Sample Results: **PD089894.D**

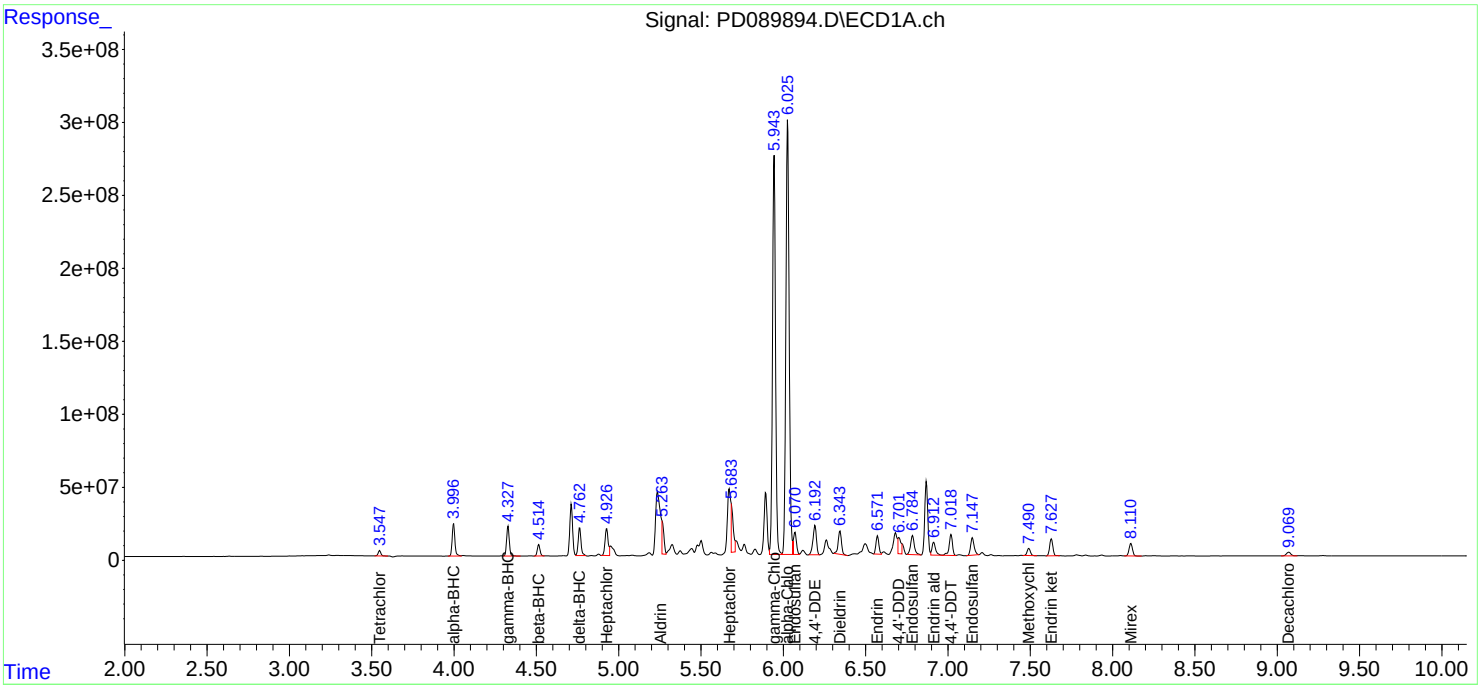
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089894.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 14:14
Operator : AR\AJ
Sample : Q2819-14MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

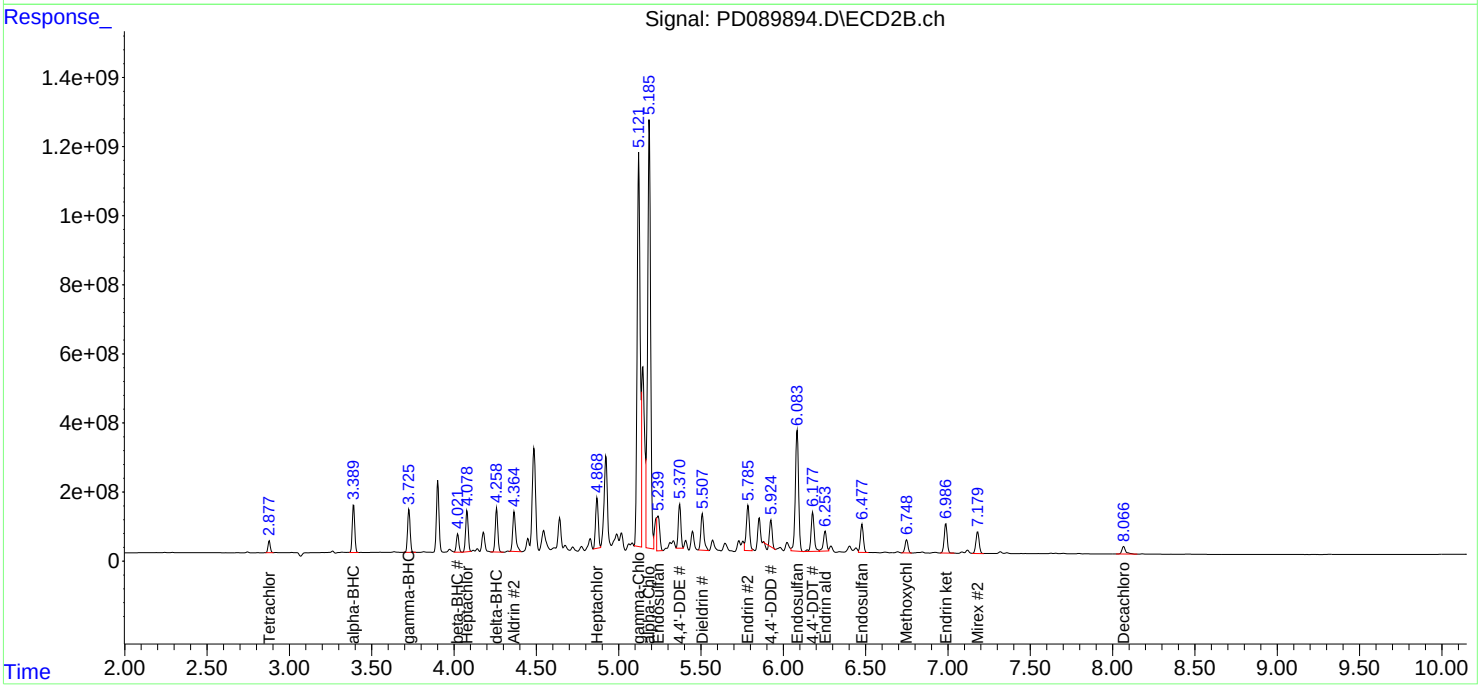
Instrument :
ECD_D
ClientSampleId :
17M-WMS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 17:26:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089895.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 14:28
Operator : AR\AJ
Sample : Q2819-14MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
17M-WMSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 17:26:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.549	2.877	42100671	342.4E6	17.068	21.617m#
28)	SA Decachlor...	9.069	8.067	45436605	358.4E6	12.226	17.849 #
	Target Compounds						
2)	A alpha-BHC	3.998	3.389	253.8E6	1421.2E6	51.242	58.472m
3)	MA gamma-BHC...	4.329	3.727	234.7E6	1330.0E6	49.382	59.048
4)	MA Heptachlor	4.927	4.080	246.1E6	1368.2E6	51.145	58.952
5)	MB Aldrin	5.257	4.366	290.0E6	1471.3E6	63.529m	66.125
6)	B beta-BHC	4.515	4.023	90338615	566.3E6	48.973	58.694
7)	B delta-BHC	4.763	4.260	230.5E6	1372.3E6	50.254	60.414
8)	B Heptachlo...	5.682	4.869	309.8E6	1650.0E6	74.106m	80.295
9)	A Endosulfan I	6.072	5.239	195.1E6	804.9E6	49.212	41.176m
10)	B gamma-Chl...	5.945	5.127	3495.0E6	10875.0E6	836.311	502.231 #
11)	B alpha-Chl...	6.027	5.181	4144.7E6	12374.1E6	985.845	594.281 #
12)	B 4,4'-DDE	6.193	5.372	288.9E6	1394.5E6	77.450	65.972
13)	MA Dieldrin	6.345	5.508	221.0E6	1372.1E6	52.323	63.408m
14)	MA Endrin	6.573	5.785	140.6E6	1755.1E6	39.310	88.086m#
15)	B Endosulfa...	6.785	6.085	204.8E6	4872.5E6	55.817	259.180 #
16)	A 4,4'-DDD	6.701	5.924	129.0E6	1089.0E6	43.080m	61.760m#
17)	MA 4,4'-DDT	7.019	6.180	213.7E6	1575.0E6	63.611	85.727 #
18)	B Endrin al...	6.914	6.255	142.3E6	787.8E6	57.014	60.974
19)	B Endosulfa...	7.149	6.479	182.2E6	1040.6E6	52.502	56.052
20)	A Methoxychlor	7.492	6.750	79395593	517.3E6	44.405	52.806
21)	B Endrin ke...	7.629	6.987	162.6E6	1115.9E6	43.769	55.604 #
22)	Mirex	8.112	7.179	122.6E6	870.2E6	43.972	57.172m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Sample Results: **PD089895.D**

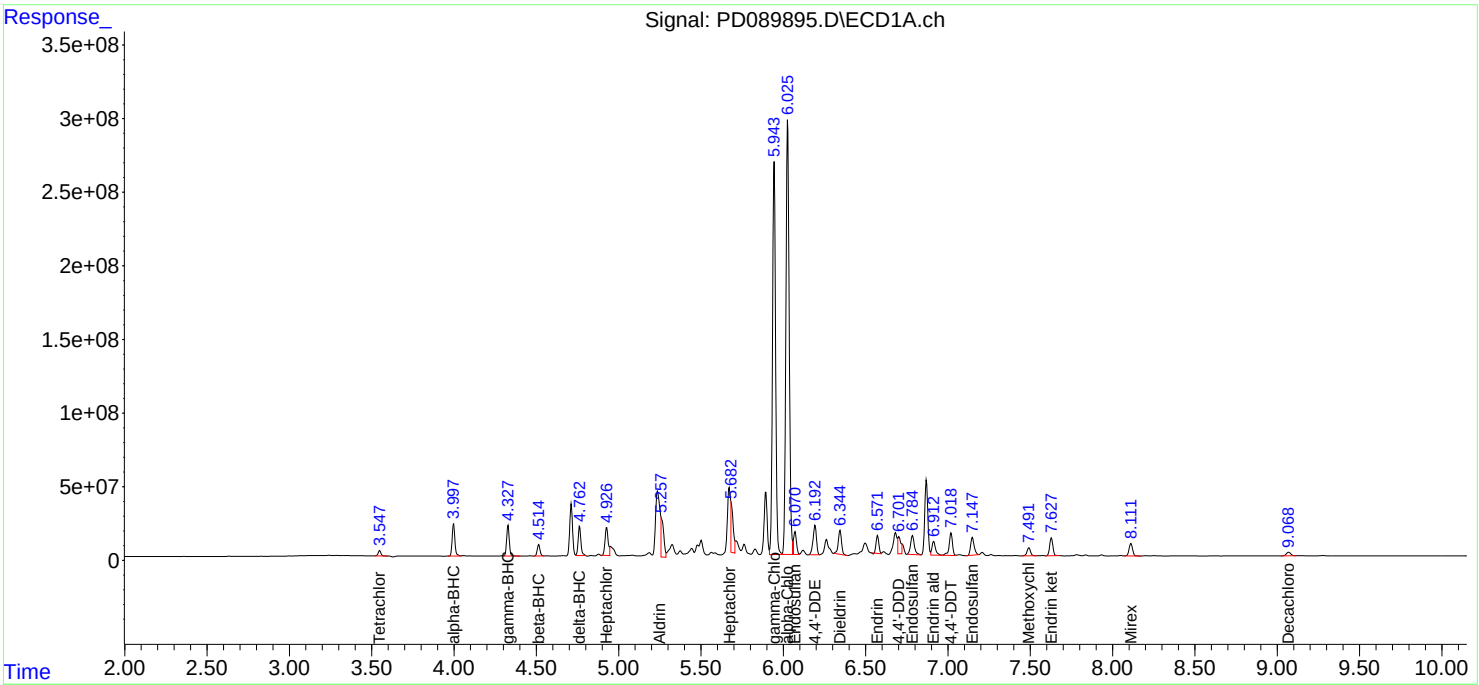
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089895.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 14:28
Operator : AR\AJ
Sample : Q2819-14MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

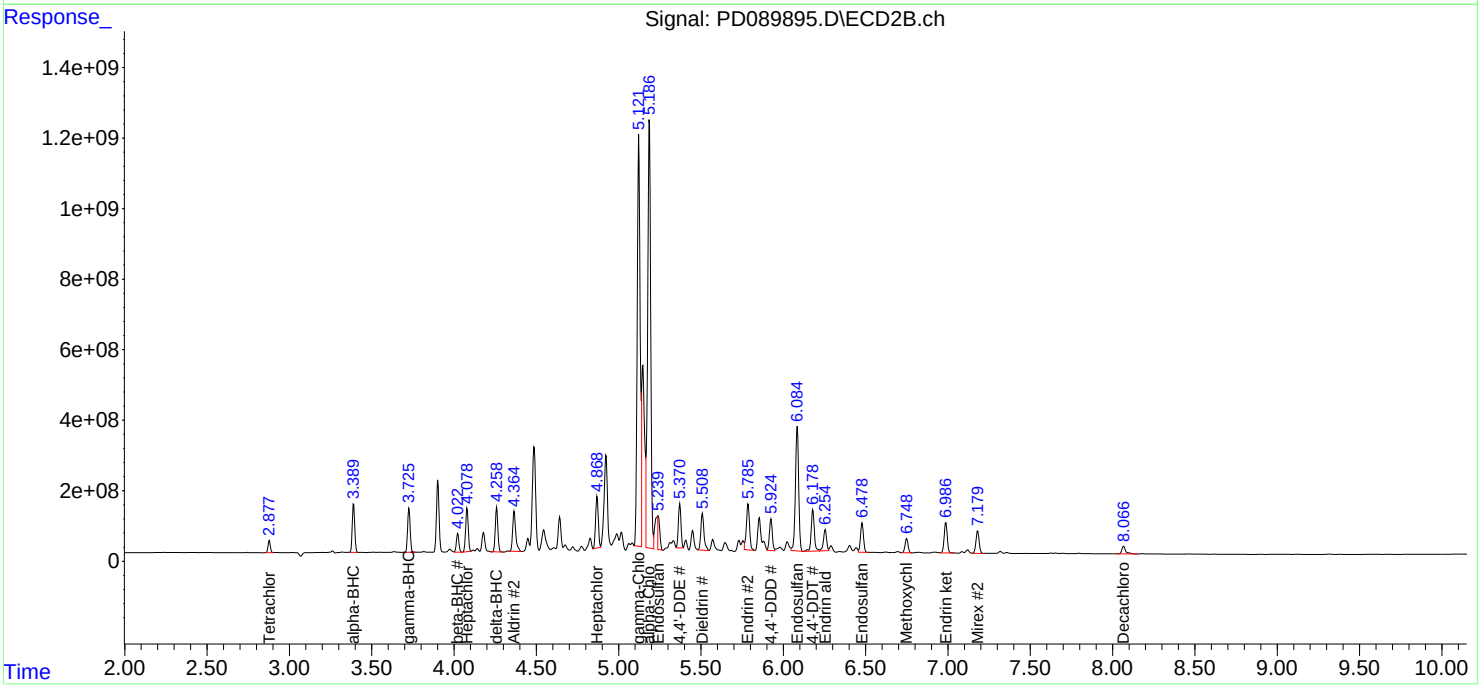
Instrument :
ECD_D
ClientSampleId :
17M-WMSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 17:26:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.25µm





284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	pd073125	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD089686.D	4,4"-DDD #2	Abdul	8/1/2025 9:25:47 AM	mohammad	8/1/2025 9:27:16	Peak Integrated by Software
PEM	PD089686.D	4,4"-DDE	Abdul	8/1/2025 9:25:47 AM	mohammad	8/1/2025 9:27:16	Peak Integrated by Software
PEM	PD089686.D	4,4"-DDE #2	Abdul	8/1/2025 9:25:47 AM	mohammad	8/1/2025 9:27:16	Peak Integrated by Software
PEM	PD089686.D	Endrin ketone	Abdul	8/1/2025 9:25:47 AM	mohammad	8/1/2025 9:27:16	Peak Integrated by Software
PEM	PD089686.D	Endrin ketone #2	Abdul	8/1/2025 9:25:47 AM	mohammad	8/1/2025 9:27:16	Peak Integrated by Software
PSTDICC075	PD089689.D	gamma-BHC (Lindane)	Abdul	8/1/2025 8:28:32 AM	mohammad	8/1/2025 9:27:16	Peak Integrated by Software
PSTDICC005	PD089692.D	4,4"-DDE #2	Abdul	8/1/2025 8:28:35 AM	mohammad	8/1/2025 9:27:16	Peak Integrated by Software
PSTDICC005	PD089692.D	Endrin aldehyde	Abdul	8/1/2025 8:28:35 AM	mohammad	8/1/2025 9:27:16	Peak Integrated by Software

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Manual Integration Report

Sequence:	pd081325	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD089863.D	4,4"-DDE #2	Abdul	8/13/2025 8:16:51 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software
PEM	PD089863.D	alpha-BHC #2	Abdul	8/13/2025 8:16:51 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software
PEM	PD089863.D	Endrin ketone	Abdul	8/13/2025 8:16:51 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software
PEM	PD089863.D	Endrin ketone #2	Abdul	8/13/2025 8:16:51 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software
Q2818-01	PD089867.D	alpha-Chlordane #2	Abdul	8/13/2025 8:16:55 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software
Q2818-01	PD089867.D	gamma-Chlordane #2	Abdul	8/13/2025 8:16:55 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software
Q2818-01	PD089867.D	Tetrachloro-m-xylene #2	Abdul	8/13/2025 8:16:55 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software
Q2818-02	PD089868.D	4,4"-DDE	Abdul	8/13/2025 8:17:00 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software
Q2818-02	PD089868.D	4,4"-DDE #2	Abdul	8/13/2025 8:17:00 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software
Q2818-02	PD089868.D	alpha-Chlordane	Abdul	8/13/2025 8:17:00 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software
Q2818-02	PD089868.D	alpha-Chlordane #2	Abdul	8/13/2025 8:17:00 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software
Q2818-02	PD089868.D	Decachlorobiphenyl	Abdul	8/13/2025 8:17:00 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software
Q2818-02	PD089868.D	Decachlorobiphenyl #2	Abdul	8/13/2025 8:17:00 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software

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Manual Integration Report

Sequence:	pd081325	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2818-02	PD089868.D	Dieldrin	Abdul	8/13/2025 8:17:00 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software
Q2818-02	PD089868.D	Dieldrin #2	Abdul	8/13/2025 8:17:00 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software
Q2818-02	PD089868.D	Methoxychlor	Abdul	8/13/2025 8:17:00 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software
Q2818-02	PD089868.D	Methoxychlor #2	Abdul	8/13/2025 8:17:00 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software
Q2818-02	PD089868.D	Tetrachloro-m-xylene	Abdul	8/13/2025 8:17:00 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software
Q2818-02	PD089868.D	Tetrachloro-m-xylene #2	Abdul	8/13/2025 8:17:00 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software
PSTDCCC050	PD089876.D	4,4"-DDD #2	Abdul	8/13/2025 8:17:39 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software
PSTDCCC050	PD089876.D	Endrin #2	Abdul	8/13/2025 8:17:39 AM	mohammad	8/22/2025 1:53:41	Peak Integrated by Software

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Manual Integration Report

Sequence:	PD081525	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD089889.D	4,4"-DDD	Abdul	8/15/2025 9:26:49 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
PEM	PD089889.D	alpha-BHC #2	Abdul	8/15/2025 9:26:49 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
PEM	PD089889.D	Endrin aldehyde #2	Abdul	8/15/2025 9:26:49 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
PEM	PD089889.D	Endrin ketone	Abdul	8/15/2025 9:26:49 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
PEM	PD089889.D	Endrin ketone #2	Abdul	8/15/2025 9:26:49 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
PSTDCCC050	PD089890.D	alpha-BHC #2	Abdul	8/15/2025 9:27:39 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MS	PD089894.D	4,4"-DDD	Abdul	8/15/2025 9:26:58 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MS	PD089894.D	Aldrin	Abdul	8/15/2025 9:26:58 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MS	PD089894.D	alpha-BHC #2	Abdul	8/15/2025 9:26:58 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MS	PD089894.D	Dieldrin #2	Abdul	8/15/2025 9:26:58 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MS	PD089894.D	Endosulfan I #2	Abdul	8/15/2025 9:26:58 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MS	PD089894.D	Endrin	Abdul	8/15/2025 9:26:58 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MS	PD089894.D	Endrin #2	Abdul	8/15/2025 9:26:58 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software

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Manual Integration Report

Sequence:	PD081525	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2819-14MS	PD089894.D	Heptachlor epoxide	Abdul	8/15/2025 9:26:58 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MS	PD089894.D	Mirex #2	Abdul	8/15/2025 9:26:58 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MS	PD089894.D	Tetrachloro-m-xylene #2	Abdul	8/15/2025 9:26:58 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MSD	PD089895.D	4,4"-DDD	Abdul	8/15/2025 9:27:01 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MSD	PD089895.D	4,4"-DDD #2	Abdul	8/15/2025 9:27:01 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MSD	PD089895.D	Aldrin	Abdul	8/15/2025 9:27:01 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MSD	PD089895.D	alpha-BHC #2	Abdul	8/15/2025 9:27:01 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MSD	PD089895.D	Dieldrin #2	Abdul	8/15/2025 9:27:01 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MSD	PD089895.D	Endosulfan I #2	Abdul	8/15/2025 9:27:01 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MSD	PD089895.D	Endrin #2	Abdul	8/15/2025 9:27:01 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MSD	PD089895.D	Heptachlor epoxide	Abdul	8/15/2025 9:27:01 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MSD	PD089895.D	Mirex #2	Abdul	8/15/2025 9:27:01 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software
Q2819-14MSD	PD089895.D	Tetrachloro-m-xylene #2	Abdul	8/15/2025 9:27:01 AM	mohammad	8/18/2025 1:44:47	Peak Integrated by Software

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Manual Integration Report

Sequence:	PD081525	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD073125

Review By	Abdul	Review On	8/1/2025 8:29:12 AM		
Supervise By	mohammad	Supervise On	8/1/2025 9:27:16 AM		
SubDirectory	PD073125	HP Acquire Method		HP Processing Method	pd073125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD089684.D	31 Jul 2025 09:13	AR\AJ	Ok
2	I.BLK	PD089685.D	31 Jul 2025 10:33	AR\AJ	Ok
3	PEM	PD089686.D	31 Jul 2025 10:47	AR\AJ	Ok,M
4	RESCHK	PD089687.D	31 Jul 2025 11:34	AR\AJ	Ok
5	PSTDICC100	PD089688.D	31 Jul 2025 11:47	AR\AJ	Ok
6	PSTDICC075	PD089689.D	31 Jul 2025 12:01	AR\AJ	Ok,M
7	PSTDICC050	PD089690.D	31 Jul 2025 12:14	AR\AJ	Ok
8	PSTDICC025	PD089691.D	31 Jul 2025 12:28	AR\AJ	Ok
9	PSTDICC005	PD089692.D	31 Jul 2025 12:41	AR\AJ	Ok,M
10	PCHLORICC1000	PD089693.D	31 Jul 2025 12:56	AR\AJ	Ok
11	PCHLORICC750	PD089694.D	31 Jul 2025 13:09	AR\AJ	Ok
12	PCHLORICC500	PD089695.D	31 Jul 2025 13:23	AR\AJ	Ok
13	PCHLORICC250	PD089696.D	31 Jul 2025 13:36	AR\AJ	Ok
14	PCHLORICC050	PD089697.D	31 Jul 2025 13:50	AR\AJ	Ok
15	PTOXICC1000	PD089698.D	31 Jul 2025 14:03	AR\AJ	Ok
16	PTOXICC750	PD089699.D	31 Jul 2025 14:17	AR\AJ	Ok
17	PTOXICC500	PD089700.D	31 Jul 2025 14:31	AR\AJ	Ok
18	PTOXICC250	PD089701.D	31 Jul 2025 14:44	AR\AJ	Ok,M
19	PTOXICC100	PD089702.D	31 Jul 2025 14:58	AR\AJ	Ok,M
20	PSTDICV050	PD089703.D	31 Jul 2025 15:11	AR\AJ	Ok
21	PCHLORICV500	PD089704.D	31 Jul 2025 15:25	AR\AJ	Ok

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Fax : 908 789 8922

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD073125

Review By	Abdul	Review On	8/1/2025 8:29:12 AM		
Supervise By	mohammad	Supervise On	8/1/2025 9:27:16 AM		
SubDirectory	PD073125	HP Acquire Method		HP Processing Method	pd073125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277 ,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PTOXICV500	PD089705.D	31 Jul 2025 15:39	AR\AJ	Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD081325

Review By	Abdul	Review On	8/21/2025 9:33:07 AM		
Supervise By	mohammad	Supervise On	8/22/2025 1:53:41 AM		
SubDirectory	PD081325	HP Acquire Method		HP Processing Method	pd073125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD089861.D	12 Aug 2025 14:35	AR\AJ	Ok
2	I.BLK	PD089862.D	12 Aug 2025 15:22	AR\AJ	Ok
3	PEM	PD089863.D	12 Aug 2025 15:35	AR\AJ	Ok,M
4	PSTDCCC050	PD089864.D	12 Aug 2025 16:05	AR\AJ	Ok
5	PB169206BL	PD089865.D	12 Aug 2025 16:33	AR\AJ	Ok
6	PB169206BS	PD089866.D	12 Aug 2025 16:47	AR\AJ	Ok
7	Q2818-01	PD089867.D	12 Aug 2025 17:00	AR\AJ	Ok,M
8	Q2818-02	PD089868.D	12 Aug 2025 17:14	AR\AJ	Ok,M
9	Q2823-01	PD089869.D	12 Aug 2025 17:27	AR\AJ	Ok,M
10	Q2830-01	PD089870.D	12 Aug 2025 17:41	AR\AJ	Ok,M
11	Q2830-03	PD089871.D	12 Aug 2025 17:55	AR\AJ	Ok,M
12	Q2830-05	PD089872.D	12 Aug 2025 18:08	AR\AJ	Ok,M
13	Q2830-07	PD089873.D	12 Aug 2025 18:22	AR\AJ	Ok,M
14	Q2831-01	PD089874.D	12 Aug 2025 18:36	AR\AJ	Ok,M
15	I.BLK	PD089875.D	12 Aug 2025 18:50	AR\AJ	Ok
16	PSTDCCC050	PD089876.D	12 Aug 2025 20:12	AR\AJ	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD081525

Review By	Abdul	Review On	8/15/2025 9:28:00 AM		
Supervise By	mohammad	Supervise On	8/18/2025 1:44:47 AM		
SubDirectory	PD081525	HP Acquire Method		HP Processing Method	pd073125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD089887.D	14 Aug 2025 11:51	AR\AJ	Ok
2	I.BLK	PD089888.D	14 Aug 2025 12:05	AR\AJ	Ok
3	PEM	PD089889.D	14 Aug 2025 12:19	AR\AJ	Ok,M
4	PSTDCCC050	PD089890.D	14 Aug 2025 12:52	AR\AJ	Ok,M
5	Q2819-06	PD089891.D	14 Aug 2025 13:34	AR\AJ	Dilution
6	Q2819-11	PD089892.D	14 Aug 2025 13:47	AR\AJ	Ok,M
7	Q2819-14	PD089893.D	14 Aug 2025 14:01	AR\AJ	Dilution
8	Q2819-14MS	PD089894.D	14 Aug 2025 14:14	AR\AJ	Ok,M
9	Q2819-14MSD	PD089895.D	14 Aug 2025 14:28	AR\AJ	Ok,M
10	Q2820-09	PD089896.D	14 Aug 2025 14:41	AR\AJ	ReRun
11	Q2820-10	PD089897.D	14 Aug 2025 14:55	AR\AJ	Ok,M
12	Q2820-24	PD089898.D	14 Aug 2025 15:09	AR\AJ	Ok,M
13	Q2858-01	PD089899.D	14 Aug 2025 15:23	AR\AJ	Ok,M
14	PB169243BL	PD089900.D	14 Aug 2025 15:36	AR\AJ	Ok
15	I.BLK	PD089901.D	14 Aug 2025 15:50	AR\AJ	Ok
16	PSTDCCC050	PD089902.D	14 Aug 2025 17:10	AR\AJ	Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD073125

Review By	Abdul	Review On	8/1/2025 8:29:12 AM		
Supervise By	mohammad	Supervise On	8/1/2025 9:27:16 AM		
SubDirectory	PD073125	HP Acquire Method		HP Processing Method	pd073125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD089684.D	31 Jul 2025 09:13		AR\AJ	Ok
2	I.BLK	I.BLK	PD089685.D	31 Jul 2025 10:33		AR\AJ	Ok
3	PEM	PEM	PD089686.D	31 Jul 2025 10:47		AR\AJ	Ok,M
4	RESCHK	RESCHK	PD089687.D	31 Jul 2025 11:34		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PD089688.D	31 Jul 2025 11:47		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PD089689.D	31 Jul 2025 12:01		AR\AJ	Ok,M
7	PSTDICC050	PSTDICC050	PD089690.D	31 Jul 2025 12:14		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PD089691.D	31 Jul 2025 12:28		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PD089692.D	31 Jul 2025 12:41		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PD089693.D	31 Jul 2025 12:56		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PD089694.D	31 Jul 2025 13:09		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PD089695.D	31 Jul 2025 13:23		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PD089696.D	31 Jul 2025 13:36		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PD089697.D	31 Jul 2025 13:50		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PD089698.D	31 Jul 2025 14:03		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PD089699.D	31 Jul 2025 14:17		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PD089700.D	31 Jul 2025 14:31		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PD089701.D	31 Jul 2025 14:44		AR\AJ	Ok,M

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD073125

Review By	Abdul	Review On	8/1/2025 8:29:12 AM		
Supervise By	mohammad	Supervise On	8/1/2025 9:27:16 AM		
SubDirectory	PD073125	HP Acquire Method		HP Processing Method	pd073125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PTOXICC100	PTOXICC100	PD089702.D	31 Jul 2025 14:58		AR\AJ	Ok,M
20	PSTDICV050	ICVPD073125	PD089703.D	31 Jul 2025 15:11		AR\AJ	Ok
21	PCHLORICV500	ICVPD073125CHLOR	PD089704.D	31 Jul 2025 15:25		AR\AJ	Ok
22	PTOXICV500	ICVPD073125TOX	PD089705.D	31 Jul 2025 15:39		AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD081325

Review By	Abdul	Review On	8/21/2025 9:33:07 AM		
Supervise By	mohammad	Supervise On	8/22/2025 1:53:41 AM		
SubDirectory	PD081325	HP Acquire Method		HP Processing Method	pd073125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD089861.D	12 Aug 2025 14:35		AR\AJ	Ok
2	I.BLK	I.BLK	PD089862.D	12 Aug 2025 15:22		AR\AJ	Ok
3	PEM	PEM	PD089863.D	12 Aug 2025 15:35		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD089864.D	12 Aug 2025 16:05		AR\AJ	Ok
5	PB169206BL	PB169206BL	PD089865.D	12 Aug 2025 16:33		AR\AJ	Ok
6	PB169206BS	PB169206BS	PD089866.D	12 Aug 2025 16:47		AR\AJ	Ok
7	Q2818-01	B-2-5-1	PD089867.D	12 Aug 2025 17:00		AR\AJ	Ok,M
8	Q2818-02	B-3-5-2	PD089868.D	12 Aug 2025 17:14		AR\AJ	Ok,M
9	Q2823-01	SU-04-081125	PD089869.D	12 Aug 2025 17:27		AR\AJ	Ok,M
10	Q2830-01	BIN0009-DRIVEWAY-T	PD089870.D	12 Aug 2025 17:41		AR\AJ	Ok,M
11	Q2830-03	BIN0009-DRIVEWAY-T	PD089871.D	12 Aug 2025 17:55		AR\AJ	Ok,M
12	Q2830-05	BIN0009-DRIVEWAY-T	PD089872.D	12 Aug 2025 18:08		AR\AJ	Ok,M
13	Q2830-07	BIN0009-DRIVEWAY-T	PD089873.D	12 Aug 2025 18:22		AR\AJ	Ok,M
14	Q2831-01	VNJ-238	PD089874.D	12 Aug 2025 18:36		AR\AJ	Ok,M
15	I.BLK	I.BLK	PD089875.D	12 Aug 2025 18:50		AR\AJ	Ok
16	PSTDCCC050	PSTDCCC050	PD089876.D	12 Aug 2025 20:12		AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD081525

Review By	Abdul	Review On	8/15/2025 9:28:00 AM		
Supervise By	mohammad	Supervise On	8/18/2025 1:44:47 AM		
SubDirectory	PD081525	HP Acquire Method		HP Processing Method	pd073125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24651
Initial Calibration Stds	PP24744,PP24746,PP24748,PP24750,PP24751,PP24752,PP24753,PP24755,PP24756,PP24757,PP24758,PP24759,PP24760,PP24761,PP24762,PP24763,PP24764
CCC	PP24751,PP24756,PP24761
Internal Standard/PEM	
ICV/I.BLK	PP24754,PP24759,PP24761
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD089887.D	14 Aug 2025 11:51		AR\AJ	Ok
2	I.BLK	I.BLK	PD089888.D	14 Aug 2025 12:05		AR\AJ	Ok
3	PEM	PEM	PD089889.D	14 Aug 2025 12:19		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD089890.D	14 Aug 2025 12:52		AR\AJ	Ok,M
5	Q2819-06	11M-S	PD089891.D	14 Aug 2025 13:34	Need 5X	AR\AJ	Dilution
6	Q2819-11	84SB-W	PD089892.D	14 Aug 2025 13:47	DCB low in 1ST column	AR\AJ	Ok,M
7	Q2819-14	17M-W	PD089893.D	14 Aug 2025 14:01	Need dilution	AR\AJ	Dilution
8	Q2819-14MS	17M-WMS	PD089894.D	14 Aug 2025 14:14	Recovery fail	AR\AJ	Ok,M
9	Q2819-14MSD	17M-WMSD	PD089895.D	14 Aug 2025 14:28	Recovery fail	AR\AJ	Ok,M
10	Q2820-09	705R-S	PD089896.D	14 Aug 2025 14:41	DCB low in both column	AR\AJ	ReRun
11	Q2820-10	SOIL-DUP-2	PD089897.D	14 Aug 2025 14:55		AR\AJ	Ok,M
12	Q2820-24	22M-S	PD089898.D	14 Aug 2025 15:09		AR\AJ	Ok,M
13	Q2858-01	VNJ 216	PD089899.D	14 Aug 2025 15:23		AR\AJ	Ok,M
14	PB169243BL	PB169243BL	PD089900.D	14 Aug 2025 15:36		AR\AJ	Ok
15	I.BLK	I.BLK	PD089901.D	14 Aug 2025 15:50		AR\AJ	Ok
16	PSTDCCC050	PSTDCCC050	PD089902.D	14 Aug 2025 17:10		AR\AJ	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB169206

SOP ID: M3541-ASE Extraction-15

Clean Up SOP #: Florisil

Matrix : Solid

Weigh By: RJ

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 08/12/2025

Extraction Start Time : 08:16

Extraction End Date : 08/12/2025

Extraction End Time : 11:30

Concentration By: RS

Supervisor By : RUPESH

Extraction Method: [ ] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [√] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24627
Surrogate	1.0ML	200 PPB	PP24663
Spike Sol 2	2.0ML	1000 PPB	PP24622
Spike Sol 3	2.0ML	1000 PPB	PP24621
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2627
Baked Na2SO4	N/A	EP2632
Sand	N/A	E3951
Hexane	N/A	E3962
Florisil	N/A	E3927
9:1 Hexane:Acetone Mixture	N/A	EP2596
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS721.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NE VAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
8/12/25	RS (Ext Lab)	T-P Post HPLC
11:35	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB169206

Analytical Method: M3541-ASE Extraction-15 **Concentration Date:** 08/12/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169206BL	PBLK206	Pesticide-TCL	30.01	N/A	ritesh	RUPESH	10			U1-1
PB169206BS	PLCS206	Pesticide-TCL	30.03	N/A	ritesh	RUPESH	10			2
Q2818-01	B-2-5-1	Pesticide-TCL	30.07	N/A	ritesh	RUPESH	10	B		3
Q2818-02	B-3-5-2	Pesticide-TCL	30.03	N/A	ritesh	RUPESH	10	B		4
Q2819-06	11M-S	Pesticide-TCL	30.05	N/A	ritesh	RUPESH	10	E		5
Q2819-11	84SB-W	Pesticide-TCL	30.02	N/A	ritesh	RUPESH	10	E		6
Q2819-14	17M-W	Pesticide-TCL	30.08	N/A	ritesh	RUPESH	10	E		U2-1
Q2819-14MS	17M-WMS	Pesticide-TCL	30.02	N/A	ritesh	RUPESH	10	E		2
Q2819-14MSD	17M-WMSD	Pesticide-TCL	30.04	N/A	ritesh	RUPESH	10	E		3
Q2820-09	705R-S	Pesticide-TCL	30.06	N/A	ritesh	RUPESH	10	E		4
Q2820-10	SOIL-DUP-2	Pesticide-TCL	30.09	N/A	ritesh	RUPESH	10	E		5
Q2820-24	22M-S	Pesticide-TCL	30.01	N/A	ritesh	RUPESH	10	E		6
Q2823-01	SU-04-081125	Pesticide-TCL	30.04	N/A	ritesh	RUPESH	10	E		U3-1
Q2827-01	TP-8	Pesticide-TCL	30.07	N/A	ritesh	RUPESH	10	E		2
Q2827-05	TP-9	Pesticide-TCL	30.02	N/A	ritesh	RUPESH	10	E	Gasoline Smell	3
Q2830-01	BIN0009-DRIVEWAY-TP-SOUTH-EAST	Pesticide-TCL	30.06	N/A	ritesh	RUPESH	10	E		4
Q2830-03	BIN0009-DRIVEWAY-TP-WEST	Pesticide-TCL	30.09	N/A	ritesh	RUPESH	10	E		5
Q2830-05	BIN0009-DRIVEWAY-TP-WESTSIDE	Pesticide-TCL	30.06	N/A	ritesh	RUPESH	10	E		6
Q2830-07	BIN0009-DRIVEWAY-TP-EASTSIDE	Pesticide-TCL	30.04	N/A	ritesh	RUPESH	10	E		U6-1
Q2831-01	VNJ-238	Pesticide-TCL	30.08	N/A	ritesh	RUPESH	10	B		2
	CHLORDANE	1	30.03	1	1	1	10			3
	TOXAPHENE	1	30.02	1	1	1	10			4

RS 8/12

* **Extracts relinquished on the same date as received.**

169206 8:16

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2818P **WorkList ID :** 191214 **Department :** Extraction **Date :** 08-12-2025 08::10;57

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2818-01	B-2-5-1	Solid	Pesticide-TCL	Cool 4 deg C	EARTH03		08/11/2025	8081B
Q2818-02	B-3-5-2	Solid	Pesticide-TCL	Cool 4 deg C	EARTH03		08/11/2025	8081B
Q2819-06	11M-S	Solid	Pesticide-TCL	Cool 4 deg C	FIRS02	D31	08/05/2025	8081B
Q2819-11	84SB-W	Solid	Pesticide-TCL	Cool 4 deg C	FIRS02	D31	08/05/2025	8081B
Q2819-14	17M-W	Solid	Pesticide-TCL	Cool 4 deg C	FIRS02	D31	08/05/2025	8081B
Q2820-09	705R-S	Solid	Pesticide-TCL	Cool 4 deg C	FIRS02	D31	08/07/2025	8081B
Q2820-10	SOIL-DUP-2	Solid	Pesticide-TCL	Cool 4 deg C	FIRS02	D31	08/07/2025	8081B
Q2820-24	22M-S	Solid	Pesticide-TCL	Cool 4 deg C	FIRS02	D31	08/08/2025	8081B
Q2823-01	SU-04-081125	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	D31	08/11/2025	8081B
Q2827-01	TP-8	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	08/11/2025	8081B
Q2827-05	TP-9	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	08/11/2025	8081B
Q2830-01	BIN009-DRIVEWAY-TP-SOUTH	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	08/11/2025	8081B
Q2830-03	BIN009-DRIVEWAY-TP-WEST	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	08/11/2025	8081B
Q2830-05	BIN009-DRIVEWAY-TP-WEST	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	08/11/2025	8081B
Q2830-07	BIN009-DRIVEWAY-TP-EASTS	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D31	08/11/2025	8081B
Q2831-01	VNJ-238	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	D21	08/11/2025	8081B

Date/Time 08/12/25 8:10
Raw Sample Received by: RJ (EAL-(ALS)
Raw Sample Relinquished by:

Date/Time 08/12/25 8:40
Raw Sample Received by:
Raw Sample Relinquished by: RJ (EAL-(ALS)

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

LAB CHRONICLE

OrderID:	Q2818	**OrderDate:**	8/11/2025 11:57:00 AM
Client:	Earth Engineering Inc.	**Project:**	Reserve Turgyan Farms
Contact:	Frank Dougherty, LSRP	**Location:**	J21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2818-01	**B-2-5-1**	**SOIL**			**08/11/25**			**08/11/25**
			PCB	8082A		08/12/25	08/12/25	
			Pesticide-TCL	8081B		08/12/25	08/12/25	
			EPH_NF	NJEPH		08/12/25	08/12/25	
			EPH_NF	NJEPH		08/12/25	08/13/25	
Q2818-01DL	**B-2-5-1DL**	**Solid**			**08/11/25**			**08/11/25**
			EPH_NF	NJEPH		08/12/25	08/13/25	
Q2818-02	**B-3-5-2**	**SOIL**			**08/11/25**			**08/11/25**
			PCB	8082A		08/12/25	08/12/25	
			Pesticide-TCL	8081B		08/12/25	08/12/25	
			EPH_NF	NJEPH		08/12/25	08/12/25	
			EPH_NF	NJEPH		08/12/25	08/13/25	
Q2818-02DL	**B-3-5-2DL**	**Solid**			**08/11/25**			**08/11/25**
			EPH_NF	NJEPH		08/12/25	08/13/25	