

LAB CHRONICLE

OrderID:	Q3395	OrderDate:	10/17/2025 4:25:00 PM
Client:	AECOM	Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206
Contact:	Rob Forstner	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3395-01	PR132-S09-000051-2 0251017	SOIL			10/17/25			10/17/25
			PCB	8082A		10/23/25	10/23/25	
			Pesticide-TCL	8081B		10/23/25	10/23/25	
Q3395-02	PR132-S07-000102-2 0251017	SOIL			10/17/25			10/17/25
			PCB	8082A		10/23/25	10/23/25	
			Pesticide-TCL	8081B		10/23/25	10/23/25	
Q3395-05	PR132-S07-102116-2 0251017	SOIL			10/17/25			10/17/25
			PCB	8082A		10/23/25	10/23/25	
			Pesticide-TCL	8081B		10/23/25	10/23/25	
Q3395-06	PR132-COMP03-2025- 20251017	SOIL			10/17/25			10/17/25
			PCB	8082A		10/23/25	10/23/25	
			Pesticide-TCL	8081B		10/23/25	10/23/25	

Hit Summary Sheet
SW-846

SDG No.: Q3395

Order ID: Q3395

Client: AECOM

Project ID: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PR132-S09-000051-20251017								
Q3395-01	PR132-S09-000051-2(	SOIL	4,4-DDE	1.10	JP	0.26	3.20	ug/kg
Q3395-01	PR132-S09-000051-2(	SOIL	gamma-Chlordane	0.49	J	0.28	3.20	ug/kg
Total Concentration:				1.590				
Client ID : PR132-S07-000102-20251017								
Q3395-02	PR132-S07-000102-2(	SOIL	Dieldrin	1.30	JP	0.29	3.50	ug/kg
Q3395-02	PR132-S07-000102-2(	SOIL	4,4-DDE	6.90		0.29	3.50	ug/kg
Q3395-02	PR132-S07-000102-2(	SOIL	4,4-DDD	1.50	J	0.31	3.50	ug/kg
Total Concentration:				9.700				



SAMPLE DATA

Report of Analysis

Client:	AECOM		Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/17/25
Client Sample ID:	PR132-S09-000051-20251017		SDG No.:	Q3395
Lab Sample ID:	Q3395-01		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	52.9
Sample Wt/Vol:	30.06 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541	Prep Date	10/23/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	3.20	U	1	0.25	3.20	ug/kg	10/23/25 14:16	PB170213
319-85-7	beta-BHC	3.20	U	1	0.34	3.20	ug/kg	10/23/25 14:16	PB170213
319-86-8	delta-BHC	3.20	U	1	0.74	3.20	ug/kg	10/23/25 14:16	PB170213
58-89-9	gamma-BHC (Lindane)	3.20	U	1	0.26	3.20	ug/kg	10/23/25 14:16	PB170213
76-44-8	Heptachlor	3.20	U	1	0.23	3.20	ug/kg	10/23/25 14:16	PB170213
309-00-2	Aldrin	3.20	U	1	0.23	3.20	ug/kg	10/23/25 14:16	PB170213
1024-57-3	Heptachlor epoxide	3.20	U	1	0.36	3.20	ug/kg	10/23/25 14:16	PB170213
959-98-8	Endosulfan I	3.20	U	1	0.26	3.20	ug/kg	10/23/25 14:16	PB170213
60-57-1	Dieldrin	3.20	U	1	0.26	3.20	ug/kg	10/23/25 14:16	PB170213
72-55-9	4,4-DDE	1.10	JP	1	0.26	3.20	ug/kg	10/23/25 14:16	PB170213
72-20-8	Endrin	3.20	U	1	0.26	3.20	ug/kg	10/23/25 14:16	PB170213
33213-65-9	Endosulfan II	3.20	U	1	0.55	3.20	ug/kg	10/23/25 14:16	PB170213
72-54-8	4,4-DDD	3.20	U	1	0.28	3.20	ug/kg	10/23/25 14:16	PB170213
1031-07-8	Endosulfan Sulfate	3.20	U	1	0.25	3.20	ug/kg	10/23/25 14:16	PB170213
50-29-3	4,4-DDT	3.20	U	1	0.26	3.20	ug/kg	10/23/25 14:16	PB170213
72-43-5	Methoxychlor	3.20	U	1	0.70	3.20	ug/kg	10/23/25 14:16	PB170213
53494-70-5	Endrin ketone	3.20	U	1	0.36	3.20	ug/kg	10/23/25 14:16	PB170213
7421-93-4	Endrin aldehyde	3.20	U	1	0.70	3.20	ug/kg	10/23/25 14:16	PB170213
5103-71-9	alpha-Chlordane	3.20	U	1	0.23	3.20	ug/kg	10/23/25 14:16	PB170213
5103-74-2	gamma-Chlordane	0.49	J	1	0.28	3.20	ug/kg	10/23/25 14:16	PB170213
8001-35-2	Toxaphene	62.3	U	1	10.2	62.3	ug/kg	10/23/25 14:16	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	15.7			20 - 144	79%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	17.4			19 - 148	87%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	AECOM		Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/17/25
Client Sample ID:	PR132-S07-000102-20251017		SDG No.:	Q3395
Lab Sample ID:	Q3395-02		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	47.9
Sample Wt/Vol:	30.04 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541	Prep Date	10/23/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	3.50	U	1	0.27	3.50	ug/kg	10/23/25 14:30	PB170213
319-85-7	beta-BHC	3.50	U	1	0.38	3.50	ug/kg	10/23/25 14:30	PB170213
319-86-8	delta-BHC	3.50	U	1	0.81	3.50	ug/kg	10/23/25 14:30	PB170213
58-89-9	gamma-BHC (Lindane)	3.50	U	1	0.29	3.50	ug/kg	10/23/25 14:30	PB170213
76-44-8	Heptachlor	3.50	U	1	0.25	3.50	ug/kg	10/23/25 14:30	PB170213
309-00-2	Aldrin	3.50	U	1	0.25	3.50	ug/kg	10/23/25 14:30	PB170213
1024-57-3	Heptachlor epoxide	3.50	U	1	0.40	3.50	ug/kg	10/23/25 14:30	PB170213
959-98-8	Endosulfan I	3.50	U	1	0.29	3.50	ug/kg	10/23/25 14:30	PB170213
60-57-1	Dieldrin	1.30	JP	1	0.29	3.50	ug/kg	10/23/25 14:30	PB170213
72-55-9	4,4-DDE	6.90		1	0.29	3.50	ug/kg	10/23/25 14:30	PB170213
72-20-8	Endrin	3.50	U	1	0.29	3.50	ug/kg	10/23/25 14:30	PB170213
33213-65-9	Endosulfan II	3.50	U	1	0.60	3.50	ug/kg	10/23/25 14:30	PB170213
72-54-8	4,4-DDD	1.50	J	1	0.31	3.50	ug/kg	10/23/25 14:30	PB170213
1031-07-8	Endosulfan Sulfate	3.50	U	1	0.27	3.50	ug/kg	10/23/25 14:30	PB170213
50-29-3	4,4-DDT	3.50	U	1	0.29	3.50	ug/kg	10/23/25 14:30	PB170213
72-43-5	Methoxychlor	3.50	U	1	0.77	3.50	ug/kg	10/23/25 14:30	PB170213
53494-70-5	Endrin ketone	3.50	U	1	0.40	3.50	ug/kg	10/23/25 14:30	PB170213
7421-93-4	Endrin aldehyde	3.50	U	1	0.77	3.50	ug/kg	10/23/25 14:30	PB170213
5103-71-9	alpha-Chlordane	3.50	U	1	0.25	3.50	ug/kg	10/23/25 14:30	PB170213
5103-74-2	gamma-Chlordane	3.50	U	1	0.31	3.50	ug/kg	10/23/25 14:30	PB170213
8001-35-2	Toxaphene	68.8	U	1	11.3	68.8	ug/kg	10/23/25 14:30	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	17.1			20 - 144	85%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	17.4			19 - 148	87%	SPK: 20		

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Report of Analysis

Client:	AECOM		Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/17/25
Client Sample ID:	PR132-S07-102116-20251017		SDG No.:	Q3395
Lab Sample ID:	Q3395-05		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	51.4
Sample Wt/Vol:	30.05 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541	Prep Date	10/23/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	3.30	U	1	0.25	3.30	ug/kg	10/23/25 15:11	PB170213
319-85-7	beta-BHC	3.30	U	1	0.35	3.30	ug/kg	10/23/25 15:11	PB170213
319-86-8	delta-BHC	3.30	U	1	0.76	3.30	ug/kg	10/23/25 15:11	PB170213
58-89-9	gamma-BHC (Lindane)	3.30	U	1	0.27	3.30	ug/kg	10/23/25 15:11	PB170213
76-44-8	Heptachlor	3.30	U	1	0.23	3.30	ug/kg	10/23/25 15:11	PB170213
309-00-2	Aldrin	3.30	U	1	0.23	3.30	ug/kg	10/23/25 15:11	PB170213
1024-57-3	Heptachlor epoxide	3.30	U	1	0.37	3.30	ug/kg	10/23/25 15:11	PB170213
959-98-8	Endosulfan I	3.30	U	1	0.27	3.30	ug/kg	10/23/25 15:11	PB170213
60-57-1	Dieldrin	3.30	U	1	0.27	3.30	ug/kg	10/23/25 15:11	PB170213
72-55-9	4,4-DDE	3.30	U	1	0.27	3.30	ug/kg	10/23/25 15:11	PB170213
72-20-8	Endrin	3.30	U	1	0.27	3.30	ug/kg	10/23/25 15:11	PB170213
33213-65-9	Endosulfan II	3.30	U	1	0.56	3.30	ug/kg	10/23/25 15:11	PB170213
72-54-8	4,4-DDD	3.30	U	1	0.29	3.30	ug/kg	10/23/25 15:11	PB170213
1031-07-8	Endosulfan Sulfate	3.30	U	1	0.25	3.30	ug/kg	10/23/25 15:11	PB170213
50-29-3	4,4-DDT	3.30	U	1	0.27	3.30	ug/kg	10/23/25 15:11	PB170213
72-43-5	Methoxychlor	3.30	U	1	0.72	3.30	ug/kg	10/23/25 15:11	PB170213
53494-70-5	Endrin ketone	3.30	U	1	0.37	3.30	ug/kg	10/23/25 15:11	PB170213
7421-93-4	Endrin aldehyde	3.30	U	1	0.72	3.30	ug/kg	10/23/25 15:11	PB170213
5103-71-9	alpha-Chlordane	3.30	U	1	0.23	3.30	ug/kg	10/23/25 15:11	PB170213
5103-74-2	gamma-Chlordane	3.30	U	1	0.29	3.30	ug/kg	10/23/25 15:11	PB170213
8001-35-2	Toxaphene	64.1	U	1	10.5	64.1	ug/kg	10/23/25 15:11	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	20.6			20 - 144	103%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	19.4			19 - 148	97%	SPK: 20		

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Report of Analysis

Client:	AECOM		Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/17/25
Client Sample ID:	PR132-COMP03-2025-20251017		SDG No.:	Q3395
Lab Sample ID:	Q3395-06		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	69.8
Sample Wt/Vol:	30.03 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541	Prep Date	10/23/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	2.40	U	1	0.19	2.40	ug/kg	10/23/25 15:25	PB170213
319-85-7	beta-BHC	2.40	U	1	0.26	2.40	ug/kg	10/23/25 15:25	PB170213
319-86-8	delta-BHC	2.40	U	1	0.56	2.40	ug/kg	10/23/25 15:25	PB170213
58-89-9	gamma-BHC (Lindane)	2.40	U	1	0.20	2.40	ug/kg	10/23/25 15:25	PB170213
76-44-8	Heptachlor	2.40	U	1	0.17	2.40	ug/kg	10/23/25 15:25	PB170213
309-00-2	Aldrin	2.40	U	1	0.17	2.40	ug/kg	10/23/25 15:25	PB170213
1024-57-3	Heptachlor epoxide	2.40	U	1	0.27	2.40	ug/kg	10/23/25 15:25	PB170213
959-98-8	Endosulfan I	2.40	U	1	0.20	2.40	ug/kg	10/23/25 15:25	PB170213
60-57-1	Dieldrin	2.40	U	1	0.20	2.40	ug/kg	10/23/25 15:25	PB170213
72-55-9	4,4-DDE	2.40	U	1	0.20	2.40	ug/kg	10/23/25 15:25	PB170213
72-20-8	Endrin	2.40	U	1	0.20	2.40	ug/kg	10/23/25 15:25	PB170213
33213-65-9	Endosulfan II	2.40	U	1	0.42	2.40	ug/kg	10/23/25 15:25	PB170213
72-54-8	4,4-DDD	2.40	U	1	0.21	2.40	ug/kg	10/23/25 15:25	PB170213
1031-07-8	Endosulfan Sulfate	2.40	U	1	0.19	2.40	ug/kg	10/23/25 15:25	PB170213
50-29-3	4,4-DDT	2.40	U	1	0.20	2.40	ug/kg	10/23/25 15:25	PB170213
72-43-5	Methoxychlor	2.40	U	1	0.53	2.40	ug/kg	10/23/25 15:25	PB170213
53494-70-5	Endrin ketone	2.40	U	1	0.27	2.40	ug/kg	10/23/25 15:25	PB170213
7421-93-4	Endrin aldehyde	2.40	U	1	0.53	2.40	ug/kg	10/23/25 15:25	PB170213
5103-71-9	alpha-Chlordane	2.40	U	1	0.17	2.40	ug/kg	10/23/25 15:25	PB170213
5103-74-2	gamma-Chlordane	2.40	U	1	0.21	2.40	ug/kg	10/23/25 15:25	PB170213
8001-35-2	Toxaphene	47.2	U	1	7.70	47.2	ug/kg	10/23/25 15:25	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	17.1			20 - 144	86%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	19.1			19 - 148	96%	SPK: 20		

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QC SUMMARY

Surrogate Summary

SDG No.: Q3395

Client: AECOM

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PD090647.D	PIBLK-PD090647.D	Decachlorobiphen	1	20	21.3	106		57	171
		Tetrachloro-m-xyl	1	20	19.4	97		61	148
		Decachlorobiphen	2	20	20.3	102		57	171
		Tetrachloro-m-xyl	2	20	20.0	100		61	148
I.BLK-PD090775.D	PIBLK-PD090775.D	Decachlorobiphen	1	20	21.7	109		57	171
		Tetrachloro-m-xyl	1	20	20.3	101		61	148
		Decachlorobiphen	2	20	24.9	124		57	171
		Tetrachloro-m-xyl	2	20	21.1	106		61	148
PB170213BL	PB170213BL	Decachlorobiphen	1	20	20.7	103		20	144
		Tetrachloro-m-xyl	1	20	18.7	94		19	148
		Decachlorobiphen	2	20	23.8	119		20	144
		Tetrachloro-m-xyl	2	20	20.1	101		19	148
PB170213BS	PB170213BS	Decachlorobiphen	1	20	22.1	110		20	144
		Tetrachloro-m-xyl	1	20	17.6	88		19	148
		Decachlorobiphen	2	20	26.0	130		20	144
		Tetrachloro-m-xyl	2	20	18.3	91		19	148
Q3395-01	PR132-S09-000051-20251017	Decachlorobiphen	1	20	15.7	79		20	144
		Tetrachloro-m-xyl	1	20	16.9	84		19	148
		Decachlorobiphen	2	20	15.7	79		20	144
		Tetrachloro-m-xyl	2	20	17.4	87		19	148
Q3395-02	PR132-S07-000102-20251017	Decachlorobiphen	1	20	17.0	85		20	144
		Tetrachloro-m-xyl	1	20	16.1	80		19	148
		Decachlorobiphen	2	20	17.1	85		20	144
		Tetrachloro-m-xyl	2	20	17.4	87		19	148
Q3395-03MS	PR132-S07-000102-20251017MSD	Decachlorobiphen	1	20	15.2	76		20	144
		Tetrachloro-m-xyl	1	20	14.4	72		19	148
		Decachlorobiphen	2	20	15.5	77		20	144
		Tetrachloro-m-xyl	2	20	15.5	78		19	148
Q3395-04MSD	PR132-S07-000102-20251017MSD	Decachlorobiphen	1	20	16.4	82		20	144
		Tetrachloro-m-xyl	1	20	15.3	76		19	148
		Decachlorobiphen	2	20	16.4	82		20	144
		Tetrachloro-m-xyl	2	20	16.4	82		19	148
Q3395-05	PR132-S07-102116-20251017	Decachlorobiphen	1	20	19.8	99		20	144
		Tetrachloro-m-xyl	1	20	18.2	91		19	148
		Decachlorobiphen	2	20	20.6	103		20	144
		Tetrachloro-m-xyl	2	20	19.4	97		19	148
Q3395-06	PR132-COMP03-2025-20251017	Decachlorobiphen	1	20	16.2	81		20	144
		Tetrachloro-m-xyl	1	20	17.5	87		19	148
		Decachlorobiphen	2	20	17.1	86		20	144
		Tetrachloro-m-xyl	2	20	19.1	96		19	148
I.BLK-PD090788.D	PIBLK-PD090788.D	Decachlorobiphen	1	20	20.9	105		57	171

Surrogate Summary

SDG No.: Q3395

Client: AECOM

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PD090788.D	PIBLK-PD090788.D	Tetrachloro-m-xyl	1	20	20.0	100		61	148
		Decachlorobiphen	2	20	23.5	117		57	171
		Tetrachloro-m-xyl	2	20	20.8	104		61	148

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3395</u>	Analytical Method:	<u>8081B</u>
Client:	<u>AECOM</u>	DataFile :	<u>PD090784.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec	RPD		Low	Limits		RPD
			Result				Qual	RPD	Qual		High		
Lab Sample ID:	Q3395-03MS (Column 1)	Client Sample ID:		PR132-S07-000102-2025101									
	alpha-BHC	34.78	0	31.9	ug/kg	92				60		144	
	beta-BHC	34.78	0	27.9	ug/kg	80				54		143	
	delta-BHC	34.78	0	32.6	ug/kg	94				29		151	
	gamma-BHC (Lindane)	34.78	0	31.9	ug/kg	92				61		140	
	Heptachlor	34.78	0	38.0	ug/kg	109				63		135	
	Aldrin	34.78	0	32.6	ug/kg	94				49		139	
	Heptachlor epoxide	34.78	0	33.3	ug/kg	96				41		156	
	Endosulfan I	34.78	0	32.6	ug/kg	94				56		142	
	Dieldrin	34.78	0.42	32.7	ug/kg	93				47		161	
	4,4'-DDE	34.78	6.90	36.6	ug/kg	85				55		136	
	Endrin	34.78	0	32.6	ug/kg	94				57		139	
	Endosulfan II	34.78	0	31.1	ug/kg	89				40		163	
	4,4'-DDD	34.78	1.50	34.6	ug/kg	95				47		163	
	Endosulfan sulfate	34.78	0	32.5	ug/kg	93				62		139	
	4,4'-DDT	34.78	0	33.8	ug/kg	97				51		146	
	Methoxychlor	34.78	0	33.5	ug/kg	96				54		136	
	Endrin ketone	34.78	0	33.7	ug/kg	97				60		129	
	Endrin aldehyde	34.78	0	32.9	ug/kg	95				59		132	
	alpha-Chlordane	34.78	0	36.2	ug/kg	104				39		166	
	gamma-Chlordane	34.78	0	30.8	ug/kg	89				44		175	
Lab Sample ID:	Q3395-03MS (Column 2)	Client Sample ID:		PR132-S07-000102-2025101									
	alpha-BHC	34.78	0	28.7	ug/kg	83				60		144	
	beta-BHC	34.78	0	28.9	ug/kg	83				54		143	
	delta-BHC	34.78	0	30.5	ug/kg	88				29		151	
	gamma-BHC (Lindane)	34.78	0	29.2	ug/kg	84				61		140	
	Heptachlor	34.78	0	31.9	ug/kg	92				63		135	
	Aldrin	34.78	0	29.7	ug/kg	85				49		139	
	Heptachlor epoxide	34.78	0	31.2	ug/kg	90				41		156	
	Endosulfan I	34.78	0	26.7	ug/kg	77				56		142	
	Dieldrin	34.78	1.30	31.4	ug/kg	87				47		161	
	4,4'-DDE	34.78	5.30	33.5	ug/kg	81				55		136	
	Endrin	34.78	0	29.7	ug/kg	85				57		139	
	Endosulfan II	34.78	0	30.9	ug/kg	89				40		163	
	4,4'-DDD	34.78	1.00	29.7	ug/kg	83				47		163	
	Endosulfan sulfate	34.78	0	30.8	ug/kg	89				62		139	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3395</u>	Analytical Method:	<u>8081B</u>
Client:	<u>AECOM</u>	DataFile :	<u>PD090784.D</u>

Parameter	Spike	Sample		Units	Rec	Rec	RPD		Limits	RPD
		Result	Result			Qual	RPD	Qual	Low	High
4,4'-DDT	34.78	0	30.9	ug/kg	89				51	146
Methoxychlor	34.78	0	32.0	ug/kg	92				54	136
Endrin ketone	34.78	0	30.2	ug/kg	87				60	129
Endrin aldehyde	34.78	0	31.0	ug/kg	89				59	132
alpha-Chlordane	34.78	0	31.0	ug/kg	89				39	166
gamma-Chlordane	34.78	0	31.6	ug/kg	91				44	175

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3395 Analytical Method: 8081B
Client: AECOM DataFile : PD090785.D

	Parameter	Spike	Sample		Units	Rec	Rec	RPD		Low	Limits		RPD
			Result				Qual	RPD	Qual		High		
Lab Sample ID:	Q3395-04MSD (Column 1)	Client Sample ID:	PR132-S07-000102-2025101										
	alpha-BHC	34.7	0	31.9	ug/kg	92			0		60	144	20
	beta-BHC	34.7	0	26.3	ug/kg	76			5		54	143	20
	delta-BHC	34.7	0	32.6	ug/kg	94			0		29	151	20
	gamma-BHC (Lindane)	34.7	0	31.9	ug/kg	92			0		61	140	20
	Heptachlor	34.7	0	38.1	ug/kg	110			1		63	135	20
	Aldrin	34.7	0	32.6	ug/kg	94			0		49	139	20
	Heptachlor epoxide	34.7	0	32.4	ug/kg	93			3		41	156	20
	Endosulfan I	34.7	0	31.9	ug/kg	92			2		56	142	20
	Dieldrin	34.7	0.42	32.9	ug/kg	94			1		47	161	20
	4,4'-DDE	34.7	6.90	37.2	ug/kg	87			2		55	136	20
	Endrin	34.7	0	32.1	ug/kg	93			1		57	139	20
	Endosulfan II	34.7	0	31.5	ug/kg	91			2		40	163	20
	4,4'-DDD	34.7	1.50	34.4	ug/kg	95			0		47	163	20
	Endosulfan sulfate	34.7	0	32.5	ug/kg	94			1		62	139	20
	4,4'-DDT	34.7	0	34.0	ug/kg	98			1		51	146	20
	Methoxychlor	34.7	0	33.2	ug/kg	96			0		54	136	20
	Endrin ketone	34.7	0	34.1	ug/kg	98			1		60	129	20
	Endrin aldehyde	34.7	0	32.8	ug/kg	95			0		59	132	20
	alpha-Chlordane	34.7	0	31.4	ug/kg	90			14		39	166	20
	gamma-Chlordane	34.7	0	31.0	ug/kg	89			0		44	175	20
Lab Sample ID:	Q3395-04MSD (Column 2)	Client Sample ID:	PR132-S07-000102-2025101										
	alpha-BHC	34.7	0	28.6	ug/kg	82			1		60	144	20
	beta-BHC	34.7	0	28.9	ug/kg	83			0		54	143	20
	delta-BHC	34.7	0	30.3	ug/kg	87			1		29	151	20
	gamma-BHC (Lindane)	34.7	0	29.1	ug/kg	84			0		61	140	20
	Heptachlor	34.7	0	32.0	ug/kg	92			0		63	135	20
	Aldrin	34.7	0	29.7	ug/kg	86			1		49	139	20
	Heptachlor epoxide	34.7	0	30.7	ug/kg	88			2		41	156	20
	Endosulfan I	34.7	0	26.5	ug/kg	76			1		56	142	20
	Dieldrin	34.7	1.30	31.4	ug/kg	87			0		47	161	20
	4,4'-DDE	34.7	5.30	33.4	ug/kg	81			0		55	136	20
	Endrin	34.7	0	29.1	ug/kg	84			1		57	139	20
	Endosulfan II	34.7	0	31.1	ug/kg	90			1		40	163	20
	4,4'-DDD	34.7	1.00	29.5	ug/kg	82			1		47	163	20
	Endosulfan sulfate	34.7	0	30.6	ug/kg	88			1		62	139	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3395</u>	Analytical Method:	<u>8081B</u>
Client:	<u>AECOM</u>	DataFile :	<u>PD090785.D</u>

Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
		Result	Result			Qual	RPD	Qual	Low	High	RPD
4,4'-DDT	34.7	0	30.8	ug/kg	89		0		51	146	20
Methoxychlor	34.7	0	32.5	ug/kg	94		2		54	136	20
Endrin ketone	34.7	0	29.9	ug/kg	86		1		60	129	20
Endrin aldehyde	34.7	0	30.8	ug/kg	89		0		59	132	20
alpha-Chlordane	34.7	0	30.8	ug/kg	89		0		39	166	20
gamma-Chlordane	34.7	0	31.3	ug/kg	90		1		44	175	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3395</u>	Analytical Method:	<u>8081B</u>
Client:	<u>AECOM</u>	Datafile :	<u>PD090779.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB170213BS (Column 1)	alpha-BHC	16.65	15.4	ug/kg	92				84	123	
	beta-BHC	16.65	15.1	ug/kg	91				82	123	
	delta-BHC	16.65	15.6	ug/kg	94				83	126	
	gamma-BHC (Lindane)	16.65	15.2	ug/kg	91				83	125	
	Heptachlor	16.65	18.2	ug/kg	109				83	122	
	Aldrin	16.65	15.4	ug/kg	92				82	124	
	Heptachlor epoxide	16.65	15.9	ug/kg	95				83	120	
	Endosulfan I	16.65	15.6	ug/kg	94				81	124	
	Dieldrin	16.65	15.7	ug/kg	94				85	121	
	4,4'-DDE	16.65	15.1	ug/kg	91				81	123	
	Endrin	16.65	15.5	ug/kg	93				76	130	
	Endosulfan II	16.65	16.2	ug/kg	97				80	125	
	4,4'-DDD	16.65	16.8	ug/kg	101				80	131	
	Endosulfan sulfate	16.65	15.6	ug/kg	94				81	122	
	4,4'-DDT	16.65	16.3	ug/kg	98				70	129	
	Methoxychlor	16.65	16.0	ug/kg	96				60	119	
	Endrin ketone	16.65	16.1	ug/kg	97				77	132	
	Endrin aldehyde	16.65	16.3	ug/kg	98				79	124	
	alpha-Chlordane	16.65	15.5	ug/kg	93				84	120	
	gamma-Chlordane	16.65	15.3	ug/kg	92				83	122	
	alpha-BHC	16.65	15.7	ug/kg	94				84	123	
PB170213BS (Column 2)	beta-BHC	16.65	15.6	ug/kg	94				82	123	
	delta-BHC	16.65	15.9	ug/kg	95				83	126	
	gamma-BHC (Lindane)	16.65	15.7	ug/kg	94				83	125	
	Heptachlor	16.65	16.2	ug/kg	97				83	122	
	Aldrin	16.65	15.9	ug/kg	95				82	124	
	Heptachlor epoxide	16.65	15.8	ug/kg	95				83	120	
	Endosulfan I	16.65	15.1	ug/kg	91				81	124	
	Dieldrin	16.65	16.3	ug/kg	98				85	121	
	4,4'-DDE	16.65	16.4	ug/kg	98				81	123	
	Endrin	16.65	16.5	ug/kg	99				76	130	
	Endosulfan II	16.65	16.6	ug/kg	100				80	125	
	4,4'-DDD	16.65	16.8	ug/kg	101				80	131	
	Endosulfan sulfate	16.65	16.7	ug/kg	100				81	122	
	4,4'-DDT	16.65	17.0	ug/kg	102				70	129	
	Methoxychlor	16.65	16.8	ug/kg	101				60	119	
	Endrin ketone	16.65	17.5	ug/kg	105				77	132	
	Endrin aldehyde	16.65	17.1	ug/kg	103				79	124	
	alpha-Chlordane	16.65	16.0	ug/kg	96				84	120	
	gamma-Chlordane	16.65	16.1	ug/kg	97				83	122	

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB170213BL

Lab Name: Alliance

Contract: AEC002

Lab Code: ACE

SDG NO.: Q3395

Lab Sample ID: PB170213BL

Lab File ID: PD090778.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/23/2025

Date Analyzed (1): 10/23/2025

Date Analyzed (2): 10/23/2025

Time Analyzed (1): 13:16

Time Analyzed (2): 13:16

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
PB170213BS	PB170213BS	PD090779.D	10/23/2025	10/23/2025
PR132-S09-000051-20251017	Q3395-01	PD090782.D	10/23/2025	10/23/2025
PR132-S07-000102-20251017	Q3395-02	PD090783.D	10/23/2025	10/23/2025
PR132-S07-000102-20251017MS	Q3395-03MS	PD090784.D	10/23/2025	10/23/2025
PR132-S07-000102-20251017MSD	Q3395-04MSD	PD090785.D	10/23/2025	10/23/2025
PR132-S07-102116-20251017	Q3395-05	PD090786.D	10/23/2025	10/23/2025
PR132-COMP03-2025-20251017	Q3395-06	PD090787.D	10/23/2025	10/23/2025

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	AECOM		Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	
Client Sample ID:	PB170213BL		SDG No.:	Q3395
Lab Sample ID:	PB170213BL		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	100
Sample Wt/Vol:	30.02 g	Final Vol: 10000 uL	Test:	Pesticide-TCL
Prep Method:	SW3541	Prep Date 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	1.70	U	1	0.13	1.70	ug/kg	10/23/25 13:16	PB170213
319-85-7	beta-BHC	1.70	U	1	0.18	1.70	ug/kg	10/23/25 13:16	PB170213
319-86-8	delta-BHC	1.70	U	1	0.39	1.70	ug/kg	10/23/25 13:16	PB170213
58-89-9	gamma-BHC (Lindane)	1.70	U	1	0.14	1.70	ug/kg	10/23/25 13:16	PB170213
76-44-8	Heptachlor	1.70	U	1	0.12	1.70	ug/kg	10/23/25 13:16	PB170213
309-00-2	Aldrin	1.70	U	1	0.12	1.70	ug/kg	10/23/25 13:16	PB170213
1024-57-3	Heptachlor epoxide	1.70	U	1	0.19	1.70	ug/kg	10/23/25 13:16	PB170213
959-98-8	Endosulfan I	1.70	U	1	0.14	1.70	ug/kg	10/23/25 13:16	PB170213
60-57-1	Dieldrin	1.70	U	1	0.14	1.70	ug/kg	10/23/25 13:16	PB170213
72-55-9	4,4-DDE	1.70	U	1	0.14	1.70	ug/kg	10/23/25 13:16	PB170213
72-20-8	Endrin	1.70	U	1	0.14	1.70	ug/kg	10/23/25 13:16	PB170213
33213-65-9	Endosulfan II	1.70	U	1	0.29	1.70	ug/kg	10/23/25 13:16	PB170213
72-54-8	4,4-DDD	1.70	U	1	0.15	1.70	ug/kg	10/23/25 13:16	PB170213
1031-07-8	Endosulfan Sulfate	1.70	U	1	0.13	1.70	ug/kg	10/23/25 13:16	PB170213
50-29-3	4,4-DDT	1.70	U	1	0.14	1.70	ug/kg	10/23/25 13:16	PB170213
72-43-5	Methoxychlor	1.70	U	1	0.37	1.70	ug/kg	10/23/25 13:16	PB170213
53494-70-5	Endrin ketone	1.70	U	1	0.19	1.70	ug/kg	10/23/25 13:16	PB170213
7421-93-4	Endrin aldehyde	1.70	U	1	0.37	1.70	ug/kg	10/23/25 13:16	PB170213
5103-71-9	alpha-Chlordane	1.70	U	1	0.12	1.70	ug/kg	10/23/25 13:16	PB170213
5103-74-2	gamma-Chlordane	1.70	U	1	0.15	1.70	ug/kg	10/23/25 13:16	PB170213
8001-35-2	Toxaphene	33.0	U	1	5.40	33.0	ug/kg	10/23/25 13:16	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	23.8			20 - 144	119%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.1			19 - 148	101%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	AECOM		Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/17/25
Client Sample ID:	PIBLK-PD090647.D		SDG No.:	Q3395
Lab Sample ID:	I.BLK-PD090647.D		Matrix:	WATER
Analytical Method:	8081B		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:		Prep Date:		Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.050	U	1	0.0039	0.050	ug/L	10/17/25	pd101725
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/17/25	pd101725
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/17/25	pd101725
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/17/25	pd101725
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/17/25	pd101725
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/17/25	pd101725
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/17/25	pd101725
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/17/25	pd101725
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/17/25	pd101725
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/17/25	pd101725
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/17/25	pd101725
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/17/25	pd101725
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/17/25	pd101725
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/17/25	pd101725
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/17/25	pd101725
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/17/25	pd101725
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/17/25	pd101725
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/17/25	pd101725
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/17/25	pd101725
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/17/25	pd101725
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/17/25	pd101725
SURROGATES									
2051-24-3	Decachlorobiphenyl	21.3			57 - 171	106%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.0			61 - 148	100%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	AECOM		Date Collected:	10/23/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/23/25
Client Sample ID:	PIBLK-PD090775.D		SDG No.:	Q3395
Lab Sample ID:	I.BLK-PD090775.D		Matrix:	WATER
Analytical Method:	8081B		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:		Prep Date:		Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.050	U	1	0.0039	0.050	ug/L	10/23/25	Pd102325
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/23/25	Pd102325
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/23/25	Pd102325
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/23/25	Pd102325
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/23/25	Pd102325
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/23/25	Pd102325
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/23/25	Pd102325
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/23/25	Pd102325
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/23/25	Pd102325
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/23/25	Pd102325
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/23/25	Pd102325
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/23/25	Pd102325
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/23/25	Pd102325
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/23/25	Pd102325
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/23/25	Pd102325
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/23/25	Pd102325
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/23/25	Pd102325
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/23/25	Pd102325
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/23/25	Pd102325
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/23/25	Pd102325
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/23/25	Pd102325
SURROGATES									
2051-24-3	Decachlorobiphenyl	24.9			57 - 171	124%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	21.1			61 - 148	106%	SPK: 20		

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Report of Analysis

Client:	AECOM		Date Collected:	10/23/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/23/25
Client Sample ID:	PIBLK-PD090788.D		SDG No.:	Q3395
Lab Sample ID:	I.BLK-PD090788.D		Matrix:	WATER
Analytical Method:	8081B		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	10000 uL	Test:
Prep Method:		Prep Date:		Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	0.050	U	1	0.0039	0.050	ug/L	10/23/25	Pd102325
319-85-7	beta-BHC	0.050	U	1	0.0049	0.050	ug/L	10/23/25	Pd102325
319-86-8	delta-BHC	0.050	U	1	0.011	0.050	ug/L	10/23/25	Pd102325
58-89-9	gamma-BHC (Lindane)	0.050	U	1	0.0037	0.050	ug/L	10/23/25	Pd102325
76-44-8	Heptachlor	0.050	U	1	0.0027	0.050	ug/L	10/23/25	Pd102325
309-00-2	Aldrin	0.050	U	1	0.0036	0.050	ug/L	10/23/25	Pd102325
1024-57-3	Heptachlor epoxide	0.050	U	1	0.0096	0.050	ug/L	10/23/25	Pd102325
959-98-8	Endosulfan I	0.050	U	1	0.0031	0.050	ug/L	10/23/25	Pd102325
60-57-1	Dieldrin	0.050	U	1	0.0036	0.050	ug/L	10/23/25	Pd102325
72-55-9	4,4-DDE	0.050	U	1	0.0037	0.050	ug/L	10/23/25	Pd102325
72-20-8	Endrin	0.050	U	1	0.0032	0.050	ug/L	10/23/25	Pd102325
33213-65-9	Endosulfan II	0.050	U	1	0.0079	0.050	ug/L	10/23/25	Pd102325
72-54-8	4,4-DDD	0.050	U	1	0.0071	0.050	ug/L	10/23/25	Pd102325
1031-07-8	Endosulfan Sulfate	0.050	U	1	0.0037	0.050	ug/L	10/23/25	Pd102325
50-29-3	4,4-DDT	0.050	U	1	0.0035	0.050	ug/L	10/23/25	Pd102325
72-43-5	Methoxychlor	0.050	U	1	0.011	0.050	ug/L	10/23/25	Pd102325
53494-70-5	Endrin ketone	0.050	U	1	0.0093	0.050	ug/L	10/23/25	Pd102325
7421-93-4	Endrin aldehyde	0.050	U	1	0.011	0.050	ug/L	10/23/25	Pd102325
5103-71-9	alpha-Chlordane	0.050	U	1	0.0035	0.050	ug/L	10/23/25	Pd102325
5103-74-2	gamma-Chlordane	0.050	U	1	0.0039	0.050	ug/L	10/23/25	Pd102325
8001-35-2	Toxaphene	1.00	U	1	0.17	1.00	ug/L	10/23/25	Pd102325
SURROGATES									
2051-24-3	Decachlorobiphenyl	23.5			57 - 171	117%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	20.8			61 - 148	104%	SPK: 20		

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Report of Analysis

Client:	AECOM		Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	
Client Sample ID:	PB170213BS		SDG No.:	Q3395
Lab Sample ID:	PB170213BS		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541	Prep Date	10/23/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	15.7		1	0.13	1.70	ug/kg	10/23/25 13:30	PB170213
319-85-7	beta-BHC	15.6		1	0.18	1.70	ug/kg	10/23/25 13:30	PB170213
319-86-8	delta-BHC	15.9		1	0.39	1.70	ug/kg	10/23/25 13:30	PB170213
58-89-9	gamma-BHC (Lindane)	15.7		1	0.14	1.70	ug/kg	10/23/25 13:30	PB170213
76-44-8	Heptachlor	18.2		1	0.12	1.70	ug/kg	10/23/25 13:30	PB170213
309-00-2	Aldrin	15.9		1	0.12	1.70	ug/kg	10/23/25 13:30	PB170213
1024-57-3	Heptachlor epoxide	15.9		1	0.19	1.70	ug/kg	10/23/25 13:30	PB170213
959-98-8	Endosulfan I	15.6		1	0.14	1.70	ug/kg	10/23/25 13:30	PB170213
60-57-1	Dieldrin	16.3		1	0.14	1.70	ug/kg	10/23/25 13:30	PB170213
72-55-9	4,4-DDE	16.4		1	0.14	1.70	ug/kg	10/23/25 13:30	PB170213
72-20-8	Endrin	16.5		1	0.14	1.70	ug/kg	10/23/25 13:30	PB170213
33213-65-9	Endosulfan II	16.6		1	0.29	1.70	ug/kg	10/23/25 13:30	PB170213
72-54-8	4,4-DDD	16.8		1	0.15	1.70	ug/kg	10/23/25 13:30	PB170213
1031-07-8	Endosulfan Sulfate	16.7		1	0.13	1.70	ug/kg	10/23/25 13:30	PB170213
50-29-3	4,4-DDT	17.0		1	0.14	1.70	ug/kg	10/23/25 13:30	PB170213
72-43-5	Methoxychlor	16.8		1	0.37	1.70	ug/kg	10/23/25 13:30	PB170213
53494-70-5	Endrin ketone	17.5		1	0.19	1.70	ug/kg	10/23/25 13:30	PB170213
7421-93-4	Endrin aldehyde	17.1		1	0.37	1.70	ug/kg	10/23/25 13:30	PB170213
5103-71-9	alpha-Chlordane	16.0		1	0.12	1.70	ug/kg	10/23/25 13:30	PB170213
5103-74-2	gamma-Chlordane	16.1		1	0.15	1.70	ug/kg	10/23/25 13:30	PB170213
8001-35-2	Toxaphene	33.0	U	1	5.40	33.0	ug/kg	10/23/25 13:30	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	26.0			20 - 144	130%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	18.3			19 - 148	91%	SPK: 20		

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Report of Analysis

Client:	AECOM		Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/17/25
Client Sample ID:	PR132-S07-000102-20251017MS		SDG No.:	Q3395
Lab Sample ID:	Q3395-03MS		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	47.9
Sample Wt/Vol:	30.01 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541	Prep Date	10/23/25	Pesticide-TCL

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	31.9		1	0.27	3.50	ug/kg	10/23/25 14:44	PB170213
319-85-7	beta-BHC	28.9		1	0.38	3.50	ug/kg	10/23/25 14:44	PB170213
319-86-8	delta-BHC	32.6		1	0.81	3.50	ug/kg	10/23/25 14:44	PB170213
58-89-9	gamma-BHC (Lindane)	31.9		1	0.29	3.50	ug/kg	10/23/25 14:44	PB170213
76-44-8	Heptachlor	38.0		1	0.25	3.50	ug/kg	10/23/25 14:44	PB170213
309-00-2	Aldrin	32.6		1	0.25	3.50	ug/kg	10/23/25 14:44	PB170213
1024-57-3	Heptachlor epoxide	33.3		1	0.40	3.50	ug/kg	10/23/25 14:44	PB170213
959-98-8	Endosulfan I	32.6		1	0.29	3.50	ug/kg	10/23/25 14:44	PB170213
60-57-1	Dieldrin	32.7		1	0.29	3.50	ug/kg	10/23/25 14:44	PB170213
72-55-9	4,4-DDE	36.6		1	0.29	3.50	ug/kg	10/23/25 14:44	PB170213
72-20-8	Endrin	32.6		1	0.29	3.50	ug/kg	10/23/25 14:44	PB170213
33213-65-9	Endosulfan II	31.1		1	0.61	3.50	ug/kg	10/23/25 14:44	PB170213
72-54-8	4,4-DDD	34.6		1	0.31	3.50	ug/kg	10/23/25 14:44	PB170213
1031-07-8	Endosulfan Sulfate	32.5		1	0.27	3.50	ug/kg	10/23/25 14:44	PB170213
50-29-3	4,4-DDT	33.8		1	0.29	3.50	ug/kg	10/23/25 14:44	PB170213
72-43-5	Methoxychlor	33.5		1	0.77	3.50	ug/kg	10/23/25 14:44	PB170213
53494-70-5	Endrin ketone	33.7		1	0.40	3.50	ug/kg	10/23/25 14:44	PB170213
7421-93-4	Endrin aldehyde	32.9		1	0.77	3.50	ug/kg	10/23/25 14:44	PB170213
5103-71-9	alpha-Chlordane	36.2		1	0.25	3.50	ug/kg	10/23/25 14:44	PB170213
5103-74-2	gamma-Chlordane	31.6		1	0.31	3.50	ug/kg	10/23/25 14:44	PB170213
8001-35-2	Toxaphene	68.9	U	1	11.3	68.9	ug/kg	10/23/25 14:44	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	15.5			20 - 144	77%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	15.5			19 - 148	78%	SPK: 20		

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Report of Analysis

Client:	AECOM		Date Collected:	10/17/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206		Date Received:	10/17/25
Client Sample ID:	PR132-S07-000102-20251017MSD		SDG No.:	Q3395
Lab Sample ID:	Q3395-04MSD		Matrix:	SOIL
Analytical Method:	8081B		% Solid:	47.9
Sample Wt/Vol:	30.08 g	Final Vol:	10000 uL	Test:
Prep Method:	SW3541	Prep Date	10/23/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
319-84-6	alpha-BHC	31.9		1	0.27	3.50	ug/kg	10/23/25 14:57	PB170213
319-85-7	beta-BHC	28.9		1	0.37	3.50	ug/kg	10/23/25 14:57	PB170213
319-86-8	delta-BHC	32.6		1	0.81	3.50	ug/kg	10/23/25 14:57	PB170213
58-89-9	gamma-BHC (Lindane)	31.9		1	0.29	3.50	ug/kg	10/23/25 14:57	PB170213
76-44-8	Heptachlor	38.1		1	0.25	3.50	ug/kg	10/23/25 14:57	PB170213
309-00-2	Aldrin	32.6		1	0.25	3.50	ug/kg	10/23/25 14:57	PB170213
1024-57-3	Heptachlor epoxide	32.4		1	0.40	3.50	ug/kg	10/23/25 14:57	PB170213
959-98-8	Endosulfan I	31.9		1	0.29	3.50	ug/kg	10/23/25 14:57	PB170213
60-57-1	Dieldrin	32.9		1	0.29	3.50	ug/kg	10/23/25 14:57	PB170213
72-55-9	4,4-DDE	37.2		1	0.29	3.50	ug/kg	10/23/25 14:57	PB170213
72-20-8	Endrin	32.1		1	0.29	3.50	ug/kg	10/23/25 14:57	PB170213
33213-65-9	Endosulfan II	31.5		1	0.60	3.50	ug/kg	10/23/25 14:57	PB170213
72-54-8	4,4-DDD	34.4		1	0.31	3.50	ug/kg	10/23/25 14:57	PB170213
1031-07-8	Endosulfan Sulfate	32.5		1	0.27	3.50	ug/kg	10/23/25 14:57	PB170213
50-29-3	4,4-DDT	34.0		1	0.29	3.50	ug/kg	10/23/25 14:57	PB170213
72-43-5	Methoxychlor	33.2		1	0.77	3.50	ug/kg	10/23/25 14:57	PB170213
53494-70-5	Endrin ketone	34.1		1	0.40	3.50	ug/kg	10/23/25 14:57	PB170213
7421-93-4	Endrin aldehyde	32.8		1	0.77	3.50	ug/kg	10/23/25 14:57	PB170213
5103-71-9	alpha-Chlordane	31.4		1	0.25	3.50	ug/kg	10/23/25 14:57	PB170213
5103-74-2	gamma-Chlordane	31.3		1	0.31	3.50	ug/kg	10/23/25 14:57	PB170213
8001-35-2	Toxaphene	68.7	U	1	11.3	68.7	ug/kg	10/23/25 14:57	PB170213
SURROGATES									
2051-24-3	Decachlorobiphenyl	16.4			20 - 144	82%	SPK: 20		
877-09-8	Tetrachloro-m-xylene	16.4			19 - 148	82%	SPK: 20		

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CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3395</u>
Instrument ID:	<u>ECD_D</u>	Calibration Date(s):	<u>10/17/2025</u> <u>10/17/2025</u>
		Calibration Times:	<u>11:34</u> <u>12:28</u>

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

LAB FILE ID:	RT 100 = <u>PD090650.D</u>	RT 075 = <u>PD090651.D</u>
RT 050 = <u>PD090652.D</u>	RT 025 = <u>PD090653.D</u>	RT 005 = <u>PD090654.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	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	5.26	5.27	5.26	5.26	5.26	5.26	5.16	5.36
alpha-BHC	3.99	3.99	3.99	3.99	3.99	3.99	3.89	4.09
alpha-Chlordane	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
beta-BHC	4.51	4.51	4.51	4.51	4.51	4.51	4.41	4.61
Decachlorobiphenyl	9.07	9.07	9.06	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	6.34	6.34	6.34	6.34	6.34	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	6.78	6.78	6.78	6.78	6.78	6.78	6.68	6.88
Endosulfan sulfate	7.15	7.15	7.15	7.14	7.14	7.14	7.04	7.24
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	7.62	7.62	7.52	7.72
gamma-BHC (Lindane)	4.32	4.33	4.33	4.32	4.32	4.32	4.22	4.42
gamma-Chlordane	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Heptachlor	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Heptachlor epoxide	5.69	5.69	5.68	5.68	5.68	5.68	5.58	5.78
Methoxychlor	7.49	7.49	7.49	7.49	7.49	7.49	7.39	7.59
Tetrachloro-m-xylene	3.54	3.55	3.55	3.54	3.54	3.54	3.44	3.64

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3395</u>
Instrument ID:	<u>ECD_D</u>	Calibration Date(s):	<u>10/17/2025</u> <u>10/17/2025</u>
		Calibration Times:	<u>11:34</u> <u>12:28</u>

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

LAB FILE ID:	RT 100 = <u>PD090650.D</u>	RT 075 = <u>PD090651.D</u>
RT 050 = <u>PD090652.D</u>	RT 025 = <u>PD090653.D</u>	RT 005 = <u>PD090654.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
4,4'-DDD	5.92	5.92	5.92	5.92	5.92	5.92	5.82	6.02
4,4'-DDE	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
4,4'-DDT	6.17	6.18	6.17	6.17	6.18	6.17	6.07	6.27
Aldrin	4.36	4.36	4.36	4.36	4.36	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	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
beta-BHC	4.02	4.02	4.02	4.02	4.02	4.02	3.92	4.12
Decachlorobiphenyl	8.06	8.06	8.06	8.06	8.06	8.06	7.96	8.16
delta-BHC	4.26	4.26	4.26	4.26	4.26	4.26	4.16	4.36
Dieldrin	5.50	5.50	5.50	5.50	5.50	5.50	5.40	5.60
Endosulfan I	5.24	5.24	5.24	5.24	5.24	5.24	5.14	5.34
Endosulfan II	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan sulfate	6.47	6.47	6.47	6.47	6.47	6.47	6.37	6.57
Endrin	5.78	5.78	5.78	5.78	5.78	5.78	5.68	5.88
Endrin aldehyde	6.25	6.25	6.25	6.25	6.25	6.25	6.15	6.35
Endrin ketone	6.98	6.98	6.98	6.98	6.98	6.98	6.88	7.08
gamma-BHC (Lindane)	3.72	3.72	3.72	3.72	3.72	3.72	3.62	3.82
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	4.07	4.08	4.07	3.97	4.17
Heptachlor epoxide	4.86	4.87	4.86	4.86	4.86	4.86	4.76	4.96
Methoxychlor	6.75	6.75	6.75	6.74	6.75	6.74	6.64	6.84
Tetrachloro-m-xylene	2.87	2.88	2.88	2.87	2.87	2.87	2.77	2.97

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: AECO02
SDG NO.: Q3395

Calibration Date(s): 10/17/2025 10/17/2025
Calibration Times: 11:34 12:28

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

LAB FILE ID:		CF 100 =	<u>PD090650.D</u>	CF 075 =	<u>PD090651.D</u>		
CF 050 =		<u>PD090652.D</u>	CF 025 =	<u>PD090653.D</u>	CF 005 =	<u>PD090654.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	4150980000	4075270000	4055470000	3840760000	4148570000	4054210000	3
4,4'-DDE	5435610000	5370750000	5317610000	5053060000	5456160000	5326640000	3
4,4'-DDT	4256810000	4152600000	4117930000	3927880000	4097130000	4110470000	3
Aldrin	6694230000	6562230000	6516940000	6238140000	6724820000	6547270000	3
alpha-BHC	7752530000	7402380000	7252210000	6743070000	6735520000	7177140000	6
alpha-Chlordane	5966070000	5905470000	5938650000	6170460000	6920630000	6180250000	7
beta-BHC	2515210000	2489310000	2540370000	2560620000	2992650000	2619630000	8
Decachlorobiphenyl	4361180000	4315270000	4506230000	4707060000	5500070000	4677960000	10
delta-BHC	7169260000	6905720000	6771510000	6342450000	6619680000	6761720000	5
Dieldrin	5929890000	5841940000	5818180000	5550330000	6016400000	5831350000	3
Endosulfan I	5452270000	5404490000	5449050000	5348660000	6028770000	5536650000	5
Endosulfan II	4873230000	4835950000	4885080000	4789750000	5615800000	4999960000	7
Endosulfan sulfate	4557060000	4504850000	4556170000	4479960000	5092920000	4638190000	6
Endrin	5035940000	4962910000	4938250000	4711180000	5120260000	4953710000	3
Endrin aldehyde	3505880000	3507960000	3571680000	3579710000	4148280000	3662700000	7
Endrin ketone	4819770000	4736510000	4782320000	4695250000	5260400000	4858850000	5
gamma-BHC (Lindane)	7185880000	6905860000	6799650000	6417980000	6684750000	6798820000	4
gamma-Chlordane	5972450000	5894040000	5855640000	5592670000	6341090000	5931180000	5
Heptachlor	5757910000	5597510000	5545540000	5288860000	5757970000	5589560000	3
Heptachlor epoxide	5795570000	5708170000	5718680000	5584980000	6137920000	5789060000	4
Methoxychlor	2050060000	2015340000	2078640000	2094570000	2389310000	2125590000	7
Tetrachloro-m-xylene	3010860000	2951180000	3030100000	3124300000	3454390000	3114160000	6

CALIBRATION FACTOR OF INITIAL CALIBRATION

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

Contract: AECO02
SDG NO.: Q3395

Calibration Date(s): 10/17/2025 10/17/2025
Calibration Times: 11:34 12:28

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

LAB FILE ID:		CF 100 =	<u>PD090650.D</u>	CF 075 =	<u>PD090651.D</u>		
CF 050 =		<u>PD090652.D</u>	CF 025 =	<u>PD090653.D</u>	CF 005 =	<u>PD090654.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	33708900000	34309400000	35560900000	36237500000	42373300000	36438000000	10
4,4'-DDE	40500800000	41191000000	42548600000	43577200000	51373700000	43838300000	10
4,4'-DDT	33888000000	33982600000	34868200000	34959100000	37667600000	35073100000	4
Aldrin	43083800000	43574800000	45033800000	46172400000	53729700000	46318900000	9
alpha-BHC	49118000000	48392000000	49683700000	50500300000	57784900000	51095800000	7
alpha-Chlordane	40004000000	40550200000	41893000000	42708900000	50532500000	43137700000	10
beta-BHC	18296700000	18365500000	19080800000	19804100000	23600800000	19829500000	11
Decachlorobiphenyl	28856800000	28247200000	29308000000	30057200000	34987600000	30291400000	9
delta-BHC	45324900000	45220200000	46466400000	47155800000	54416000000	47716700000	8
Dieldrin	40601100000	41425500000	43096200000	44203200000	51593900000	44184000000	10
Endosulfan I	35728600000	36586400000	38185700000	39478600000	46972400000	39390300000	11
Endosulfan II	34269700000	34968100000	36432200000	37520200000	44587200000	37555500000	11
Endosulfan sulfate	32963400000	33538900000	34960800000	35861000000	41900900000	35845000000	10
Endrin	36902000000	37827400000	39400900000	40693000000	47646500000	40494000000	11
Endrin aldehyde	25110900000	25739400000	26893100000	27767400000	32953200000	27692800000	11
Endrin ketone	34460000000	35020500000	36550700000	37816700000	44740900000	37717800000	11
gamma-BHC (Lindane)	44964800000	44604900000	45972800000	46808300000	53893500000	47248900000	8
gamma-Chlordane	41920800000	42422300000	43748100000	44346600000	52306700000	44948900000	9
Heptachlor	41272300000	41810600000	43239300000	44502900000	52189000000	44602800000	10
Heptachlor epoxide	38203400000	38891500000	40672900000	42374400000	53052500000	42639000000	14
Methoxychlor	16116900000	16316400000	17198900000	17735100000	19771700000	17427800000	8
Tetrachloro-m-xylene	27903400000	27689100000	28617400000	29726500000	34949400000	29777100000	10

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance
Contract: AECO02

Lab Code: ACE
SDG NO.: Q3395

Instrument ID: ECD_D
Date(s) Analyzed: 10/17/2025 10/17/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	6.24	6.14	6.34	32564400
		2	6.44	6.34	6.54	48621800
		3	7.14	7.04	7.24	85710600
		4	7.56	7.46	7.66	95737400
		5	7.92	7.82	8.02	60480500

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3395

Instrument ID: ECD_D

Date(s) Analyzed: 10/17/2025 10/17/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	5.47	5.37	5.57	263702000
		2	5.64	5.54	5.74	176560000
		3	6.75	6.65	6.85	658883000
		4	7.19	7.09	7.29	495104000
		5	7.32	7.22	7.42	246033000

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3395

Continuing Calib Date: 10/23/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 09:51

Initial Calibration Time(s): 11:34

12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.07	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.55	3.45	3.65	0.01
alpha-BHC	3.99	3.99	3.89	4.09	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)	4.32	4.33	4.23	4.43	0.01
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
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	7.14	7.15	7.05	7.25	0.01
4,4'-DDT	7.02	7.02	6.92	7.12	0.01
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	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3395

Continuing Calib Date: 10/23/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 09:51

Initial Calibration Time(s): 11:34

12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.87	2.88	2.78	2.98	0.01
alpha-BHC	3.39	3.39	3.29	3.49	0.01
beta-BHC	4.02	4.02	3.92	4.12	0.00
delta-BHC	4.25	4.26	4.16	4.36	0.01
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.07	4.08	3.98	4.18	0.01
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.86	4.86	4.76	4.96	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.50	5.50	5.40	5.60	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.01
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.47	6.47	6.37	6.57	0.00
4,4'-DDT	6.17	6.17	6.07	6.27	0.00
Methoxychlor	6.74	6.75	6.65	6.85	0.01
Endrin ketone	6.98	6.98	6.88	7.08	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.18	5.08	5.28	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3395
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/23/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090777.D **Time Analyzed:** 09:51

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.700	6.600	6.800	51.850	50.000	3.7
4,4'-DDE	6.189	6.090	6.290	48.380	50.000	-3.2
4,4'-DDT	7.015	6.915	7.115	50.550	50.000	1.1
Aldrin	5.264	5.164	5.364	48.990	50.000	-2.0
alpha-BHC	3.993	3.894	4.094	48.830	50.000	-2.3
alpha-Chlordane	6.020	5.921	6.121	47.100	50.000	-5.8
beta-BHC	4.511	4.412	4.612	47.710	50.000	-4.6
Decachlorobiphenyl	9.065	8.964	9.164	46.870	50.000	-6.3
delta-BHC	4.760	4.660	4.860	49.110	50.000	-1.8
Dieldrin	6.340	6.240	6.440	53.750	50.000	7.5
Endosulfan I	6.067	5.968	6.168	48.890	50.000	-2.2
Endosulfan II	6.780	6.681	6.881	48.920	50.000	-2.2
Endosulfan sulfate	7.144	7.045	7.245	48.770	50.000	-2.5
Endrin	6.568	6.468	6.668	48.250	50.000	-3.5
Endrin aldehyde	6.909	6.810	7.010	49.870	50.000	-0.3
Endrin ketone	7.625	7.525	7.725	50.350	50.000	0.7
gamma-BHC (Lindane)	4.324	4.225	4.425	48.700	50.000	-2.6
gamma-Chlordane	5.939	5.840	6.040	48.760	50.000	-2.5
Heptachlor	4.922	4.823	5.023	57.680	50.000	15.4
Heptachlor epoxide	5.684	5.584	5.784	49.070	50.000	-1.9
Methoxychlor	7.489	7.388	7.588	49.740	50.000	-0.5
Tetrachloro-m-xylene	3.544	3.445	3.645	46.980	50.000	-6.0

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3395
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/23/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090777.D **Time Analyzed:** 09:51

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.919	5.821	6.021	52.340	50.000	4.7
4,4'-DDE	5.365	5.266	5.466	50.620	50.000	1.2
4,4'-DDT	6.173	6.074	6.274	52.390	50.000	4.8
Aldrin	4.359	4.261	4.461	49.350	50.000	-1.3
alpha-BHC	3.385	3.287	3.487	49.170	50.000	-1.7
alpha-Chlordane	5.180	5.081	5.281	50.430	50.000	0.9
beta-BHC	4.018	3.919	4.119	49.080	50.000	-1.8
Decachlorobiphenyl	8.060	7.962	8.162	56.190	50.000	12.4
delta-BHC	4.254	4.155	4.355	49.980	50.000	0.0
Dieldrin	5.502	5.404	5.604	50.350	50.000	0.7
Endosulfan I	5.237	5.138	5.338	49.460	50.000	-1.1
Endosulfan II	6.071	5.972	6.172	51.700	50.000	3.4
Endosulfan sulfate	6.473	6.374	6.574	52.060	50.000	4.1
Endrin	5.779	5.681	5.881	50.000	50.000	0.0
Endrin aldehyde	6.249	6.150	6.350	52.230	50.000	4.5
Endrin ketone	6.982	6.883	7.083	54.530	50.000	9.1
gamma-BHC (Lindane)	3.722	3.623	3.823	50.900	50.000	1.8
gamma-Chlordane	5.116	5.017	5.217	50.990	50.000	2.0
Heptachlor	4.074	3.975	4.175	50.550	50.000	1.1
Heptachlor epoxide	4.863	4.764	4.964	49.090	50.000	-1.8
Methoxychlor	6.743	6.645	6.845	52.100	50.000	4.2
Tetrachloro-m-xylene	2.874	2.775	2.975	48.790	50.000	-2.4

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3395

Continuing Calib Date: 10/23/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 15:52

Initial Calibration Time(s): 11:34

12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.07	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.55	3.45	3.65	0.01
alpha-BHC	3.99	3.99	3.89	4.09	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	0.01
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
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	7.14	7.15	7.05	7.25	0.01
4,4'-DDT	7.02	7.02	6.92	7.12	0.01
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	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3395

Continuing Calib Date: 10/23/2025

Initial Calibration Date(s): 10/17/2025

10/17/2025

Continuing Calib Time: 15:52

Initial Calibration Time(s): 11:34

12:28

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.87	2.88	2.78	2.98	0.01
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	4.25	4.26	4.16	4.36	0.01
gamma-BHC (Lindane)	3.72	3.72	3.62	3.82	0.00
Heptachlor	4.07	4.08	3.98	4.18	0.01
Aldrin	4.36	4.36	4.26	4.46	0.00
Heptachlor epoxide	4.86	4.86	4.76	4.96	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.50	5.50	5.40	5.60	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.01
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.92	5.82	6.02	0.00
Endosulfan sulfate	6.47	6.47	6.37	6.57	0.00
4,4'-DDT	6.17	6.17	6.07	6.27	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.01
Endrin ketone	6.98	6.98	6.88	7.08	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.18	5.08	5.28	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3395
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/23/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090789.D **Time Analyzed:** 15:52

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.700	6.600	6.800	52.200	50.000	4.4
4,4'-DDE	6.190	6.090	6.290	48.430	50.000	-3.1
4,4'-DDT	7.015	6.915	7.115	50.330	50.000	0.7
Aldrin	5.264	5.164	5.364	49.680	50.000	-0.6
alpha-BHC	3.994	3.894	4.094	49.650	50.000	-0.7
alpha-Chlordane	6.020	5.921	6.121	48.370	50.000	-3.3
beta-BHC	4.512	4.412	4.612	48.230	50.000	-3.5
Decachlorobiphenyl	9.065	8.964	9.164	46.570	50.000	-6.9
delta-BHC	4.760	4.660	4.860	49.870	50.000	-0.3
Dieldrin	6.341	6.240	6.440	53.620	50.000	7.2
Endosulfan I	6.068	5.968	6.168	49.180	50.000	-1.6
Endosulfan II	6.781	6.681	6.881	49.040	50.000	-1.9
Endosulfan sulfate	7.144	7.045	7.245	48.800	50.000	-2.4
Endrin	6.568	6.468	6.668	48.740	50.000	-2.5
Endrin aldehyde	6.910	6.810	7.010	49.920	50.000	-0.2
Endrin ketone	7.625	7.525	7.725	51.650	50.000	3.3
gamma-BHC (Lindane)	4.325	4.225	4.425	49.350	50.000	-1.3
gamma-Chlordane	5.940	5.840	6.040	48.820	50.000	-2.4
Heptachlor	4.923	4.823	5.023	57.980	50.000	16.0
Heptachlor epoxide	5.684	5.584	5.784	49.800	50.000	-0.4
Methoxychlor	7.488	7.388	7.588	48.700	50.000	-2.6
Tetrachloro-m-xylene	3.544	3.445	3.645	47.960	50.000	-4.1

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** AECO02
Lab Code: ACE **SDG NO.:** Q3395
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/17/2025 10/17/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/23/2025
Lab Sample No.: PSTDCCC050 **Data File :** PD090789.D **Time Analyzed:** 15:52

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.920	5.821	6.021	51.790	50.000	3.6
4,4'-DDE	5.365	5.266	5.466	50.080	50.000	0.2
4,4'-DDT	6.174	6.074	6.274	51.520	50.000	3.0
Aldrin	4.360	4.261	4.461	49.410	50.000	-1.2
alpha-BHC	3.386	3.287	3.487	49.590	50.000	-0.8
alpha-Chlordane	5.181	5.081	5.281	49.880	50.000	-0.2
beta-BHC	4.018	3.919	4.119	49.150	50.000	-1.7
Decachlorobiphenyl	8.060	7.962	8.162	53.960	50.000	7.9
delta-BHC	4.254	4.155	4.355	49.980	50.000	0.0
Dieldrin	5.504	5.404	5.604	49.970	50.000	-0.1
Endosulfan I	5.238	5.138	5.338	48.460	50.000	-3.1
Endosulfan II	6.072	5.972	6.172	50.990	50.000	2.0
Endosulfan sulfate	6.474	6.374	6.574	51.260	50.000	2.5
Endrin	5.780	5.681	5.881	50.120	50.000	0.2
Endrin aldehyde	6.249	6.150	6.350	51.510	50.000	3.0
Endrin ketone	6.983	6.883	7.083	53.140	50.000	6.3
gamma-BHC (Lindane)	3.722	3.623	3.823	51.000	50.000	2.0
gamma-Chlordane	5.116	5.017	5.217	50.110	50.000	0.2
Heptachlor	4.074	3.975	4.175	50.660	50.000	1.3
Heptachlor epoxide	4.864	4.764	4.964	49.200	50.000	-1.6
Methoxychlor	6.745	6.645	6.845	51.930	50.000	3.9
Tetrachloro-m-xylene	2.874	2.775	2.975	48.980	50.000	-2.0

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3395

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090648.D Date Analyzed: 10/17/2025

Lab Sample No.(PEM): PEM Time Analyzed: 11:07

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.066	8.970	9.170	22.860	20.000	14.3
Tetrachloro-m-xylene	3.544	3.490	3.590	21.710	20.000	8.6
alpha-BHC	3.994	3.940	4.040	9.050	10.000	-9.5
beta-BHC	4.512	4.460	4.560	10.070	10.000	0.7
gamma-BHC (Lindane)	4.324	4.270	4.370	9.330	10.000	-6.7
Endrin	6.568	6.500	6.640	49.200	50.000	-1.6
4,4'-DDT	7.016	6.950	7.090	100.270	100.000	0.3
Methoxychlor	7.489	7.420	7.560	236.810	250.000	-5.3

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090648.D Date Analyzed: 10/17/2025

Lab Sample No.(PEM): PEM Time Analyzed: 11:07

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.062	7.960	8.160	21.400	20.000	7.0
Tetrachloro-m-xylene	2.875	2.820	2.930	21.220	20.000	6.1
alpha-BHC	3.386	3.340	3.440	10.300	10.000	3.0
beta-BHC	4.019	3.970	4.070	10.460	10.000	4.6
gamma-BHC (Lindane)	3.723	3.670	3.770	10.340	10.000	3.4
Endrin	5.781	5.710	5.850	47.940	50.000	-4.1
4,4'-DDT	6.174	6.100	6.240	95.670	100.000	-4.3
Methoxychlor	6.745	6.670	6.820	201.830	250.000	-19.3

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3395

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090776.D Date Analyzed: 10/23/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:38

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.066	8.970	9.170	21.360	20.000	6.8
Tetrachloro-m-xylene	3.544	3.490	3.590	20.730	20.000	3.7
alpha-BHC	3.993	3.940	4.040	8.630	10.000	-13.7
beta-BHC	4.512	4.460	4.560	9.990	10.000	-0.1
gamma-BHC (Lindane)	4.324	4.270	4.370	8.990	10.000	-10.1
Endrin	6.568	6.500	6.640	48.450	50.000	-3.1
4,4'-DDT	7.016	6.950	7.090	98.300	100.000	-1.7
Methoxychlor	7.489	7.420	7.560	230.150	250.000	-7.9

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/17/2025 10/17/2025

Client Sample No. (PEM): PEM - PD090776.D Date Analyzed: 10/23/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:38

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.060	7.960	8.160	25.180	20.000	25.9
Tetrachloro-m-xylene	2.873	2.820	2.920	21.460	20.000	7.3
alpha-BHC	3.385	3.330	3.440	10.520	10.000	5.2
beta-BHC	4.018	3.970	4.070	10.550	10.000	5.5
gamma-BHC (Lindane)	3.721	3.670	3.770	10.770	10.000	7.7
Endrin	5.779	5.710	5.850	50.700	50.000	1.4
4,4'-DDT	6.172	6.100	6.240	101.920	100.000	1.9
Methoxychlor	6.743	6.670	6.810	212.260	250.000	-15.1

Analytical Sequence

Client: AECOM	SDG No.: Q3395
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 6069.	Instrument ID: ECD_D
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 10/17/2025 10/17/2025

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 #
LBLK	LBLK	10/17/2025	10:53	PD090647.D	9.07	3.55
PEM	PEM	10/17/2025	11:07	PD090648.D	9.07	3.54
RESCHK	RESCHK	10/17/2025	11:20	PD090649.D	9.07	3.54
PSTDICCC100	PSTDICCC100	10/17/2025	11:34	PD090650.D	9.07	3.54
PSTDICCC075	PSTDICCC075	10/17/2025	11:48	PD090651.D	9.07	3.55
PSTDICCC050	PSTDICCC050	10/17/2025	12:01	PD090652.D	9.06	3.55
PSTDICCC025	PSTDICCC025	10/17/2025	12:15	PD090653.D	9.07	3.54
PSTDICCC005	PSTDICCC005	10/17/2025	12:28	PD090654.D	9.07	3.54
PCHLORICC500	PCHLORICC500	10/17/2025	13:09	PD090657.D	9.07	3.55
PTOXICC500	PTOXICC500	10/17/2025	14:17	PD090662.D	9.07	3.55
LBLK	LBLK	10/23/2025	09:24	PD090775.D	9.07	3.54
PEM	PEM	10/23/2025	09:38	PD090776.D	9.07	3.54
PSTDCCC050	PSTDCCC050	10/23/2025	09:51	PD090777.D	9.07	3.54
PB170213BL	PB170213BL	10/23/2025	13:16	PD090778.D	9.08	3.55
PB170213BS	PB170213BS	10/23/2025	13:30	PD090779.D	9.07	3.54
PR132-S09-000051-20251017	Q3395-01	10/23/2025	14:16	PD090782.D	9.07	3.54
PR132-S07-000102-20251017	Q3395-02	10/23/2025	14:30	PD090783.D	9.07	3.54
PR132-S07-000102-20251017MS	Q3395-03MS	10/23/2025	14:44	PD090784.D	9.07	3.54
PR132-S07-000102-20251017MSD	Q3395-04MSD	10/23/2025	14:57	PD090785.D	9.07	3.54
PR132-S07-102116-20251017	Q3395-05	10/23/2025	15:11	PD090786.D	9.07	3.54
PR132-COMP03-2025-20251017	Q3395-06	10/23/2025	15:25	PD090787.D	9.07	3.54
LBLK	LBLK	10/23/2025	15:38	PD090788.D	9.07	3.54
PSTDCCC050	PSTDCCC050	10/23/2025	15:52	PD090789.D	9.07	3.54

Analytical Sequence

Client: AECOM	SDG No.: Q3395
Project: AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 6069.	Instrument ID: ECD_D
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 10/17/2025 10/17/2025

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 #
IBLK	IBLK	10/17/2025	10:53	PD090647.D	8.06	2.88
PEM	PEM	10/17/2025	11:07	PD090648.D	8.06	2.88
RESCHK	RESCHK	10/17/2025	11:20	PD090649.D	8.06	2.87
PSTDICC100	PSTDICC100	10/17/2025	11:34	PD090650.D	8.06	2.87
PSTDICC075	PSTDICC075	10/17/2025	11:48	PD090651.D	8.06	2.88
PSTDICC050	PSTDICC050	10/17/2025	12:01	PD090652.D	8.06	2.88
PSTDICC025	PSTDICC025	10/17/2025	12:15	PD090653.D	8.06	2.87
PSTDICC005	PSTDICC005	10/17/2025	12:28	PD090654.D	8.06	2.87
PCHLORICC500	PCHLORICC500	10/17/2025	13:09	PD090657.D	8.06	2.87
PTOXICC500	PTOXICC500	10/17/2025	14:17	PD090662.D	8.06	2.88
IBLK	IBLK	10/23/2025	09:24	PD090775.D	8.06	2.87
PEM	PEM	10/23/2025	09:38	PD090776.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/23/2025	09:51	PD090777.D	8.06	2.87
PB170213BL	PB170213BL	10/23/2025	13:16	PD090778.D	8.06	2.87
PB170213BS	PB170213BS	10/23/2025	13:30	PD090779.D	8.06	2.87
PR132-S09-000051-20251017	Q3395-01	10/23/2025	14:16	PD090782.D	8.06	2.87
PR132-S07-000102-20251017	Q3395-02	10/23/2025	14:30	PD090783.D	8.06	2.87
PR132-S07-000102-20251017MS	Q3395-03MS	10/23/2025	14:44	PD090784.D	8.06	2.87
PR132-S07-000102-20251017MSD	Q3395-04MSD	10/23/2025	14:57	PD090785.D	8.06	2.87
PR132-S07-102116-20251017	Q3395-05	10/23/2025	15:11	PD090786.D	8.06	2.87
PR132-COMP03-2025-20251017	Q3395-06	10/23/2025	15:25	PD090787.D	8.06	2.87
IBLK	IBLK	10/23/2025	15:38	PD090788.D	8.06	2.87
PSTDCCC050	PSTDCCC050	10/23/2025	15:52	PD090789.D	8.06	2.87

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170213BS

Lab Name: Alliance

Contract: AEEO02

Lab Code: ACE

SDG NO.: Q3395

Lab Sample ID: PB170213BS

Date(s) Analyzed: 10/23/2025

10/23/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.70	6.65	6.75	16.8	0
	2	5.92	5.87	5.97	16.8	
4,4'-DDE	1	6.19	6.14	6.24	15.1	8.3
	2	5.36	5.31	5.41	16.4	
4,4'-DDT	1	7.02	6.97	7.07	16.3	4.2
	2	6.17	6.12	6.22	17.0	
alpha-BHC	1	3.99	3.94	4.04	15.4	1.9
	2	3.38	3.33	3.43	15.7	
Aldrin	1	5.26	5.21	5.31	15.4	3.2
	2	4.36	4.31	4.41	15.9	
alpha-Chlordane	1	6.02	5.97	6.07	15.5	3.2
	2	5.18	5.13	5.23	16.0	
Endosulfan II	1	6.78	6.73	6.83	16.2	2.4
	2	6.07	6.02	6.12	16.6	
Endosulfan sulfate	1	7.15	7.10	7.20	15.6	6.8
	2	6.47	6.42	6.52	16.7	
beta-BHC	1	4.51	4.46	4.56	15.1	3.3
	2	4.02	3.97	4.07	15.6	
delta-BHC	1	4.76	4.71	4.81	15.6	1.9
	2	4.25	4.20	4.30	15.9	
Endosulfan I	1	6.07	6.02	6.12	15.6	3.3
	2	5.24	5.19	5.29	15.1	
Dieldrin	1	6.34	6.29	6.39	15.7	3.8
	2	5.50	5.45	5.55	16.3	
Endrin aldehyde	1	6.91	6.86	6.96	16.3	4.8
	2	6.25	6.20	6.30	17.1	
Methoxychlor	1	7.49	7.44	7.54	16.0	4.9
	2	6.74	6.69	6.79	16.8	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB170213BS

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3395

Lab Sample ID: PB170213BS

Date(s) Analyzed: 10/23/2025 10/23/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endrin ketone	1	7.63	7.58	7.68	16.1	8.3
	2	6.98	6.93	7.03	17.5	
gamma-BHC (Lindane)	1	4.32	4.27	4.37	15.2	3.2
	2	3.72	3.67	3.77	15.7	
Heptachlor	1	4.92	4.87	4.97	18.2	11.6
	2	4.07	4.02	4.12	16.2	
Heptachlor epoxide	1	5.68	5.63	5.73	15.9	0.6
	2	4.86	4.81	4.91	15.8	
gamma-Chlordane	1	5.94	5.89	5.99	15.3	5.1
	2	5.12	5.07	5.17	16.1	
Endrin	1	6.57	6.52	6.62	15.5	6.3
	2	5.78	5.73	5.83	16.5	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S07-000102-20251017

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3395

Lab Sample ID: Q3395-02

Date(s) Analyzed: 10/23/2025 10/23/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.70	6.65	6.75	1.50	40
	2	5.92	5.87	5.97	1.00	
4,4'-DDE	1	6.19	6.14	6.24	6.90	26.2
	2	5.36	5.31	5.41	5.30	
Dieldrin	1	6.34	6.29	6.39	0.42	101.6
	2	5.50	5.45	5.55	1.30	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S07-000102-20251017MS

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3395

Lab Sample ID: Q3395-03MS

Date(s) Analyzed: 10/23/2025 10/23/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.70	6.65	6.75	34.6	15.2
	2	5.92	5.87	5.97	29.7	
4,4'-DDE	1	6.19	6.14	6.24	36.6	8.8
	2	5.37	5.32	5.42	33.5	
Endosulfan II	1	6.78	6.73	6.83	31.1	0.6
	2	6.07	6.02	6.12	30.9	
4,4'-DDT	1	7.02	6.97	7.07	33.8	9
	2	6.17	6.12	6.22	30.9	
Endrin aldehyde	1	6.91	6.86	6.96	32.9	5.9
	2	6.25	6.20	6.30	31.0	
Endosulfan sulfate	1	7.14	7.09	7.19	32.5	5.4
	2	6.47	6.42	6.52	30.8	
Methoxychlor	1	7.49	7.44	7.54	33.5	4.6
	2	6.74	6.69	6.79	32.0	
Endrin ketone	1	7.63	7.58	7.68	33.7	11
	2	6.98	6.93	7.03	30.2	
alpha-BHC	1	3.99	3.94	4.04	31.9	10.6
	2	3.39	3.34	3.44	28.7	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	31.9	8.8
	2	3.72	3.67	3.77	29.2	
Heptachlor	1	4.92	4.87	4.97	38.0	17.5
	2	4.07	4.02	4.12	31.9	
Aldrin	1	5.26	5.21	5.31	32.6	9.3
	2	4.36	4.31	4.41	29.7	
beta-BHC	1	4.51	4.46	4.56	27.9	3.5
	2	4.02	3.97	4.07	28.9	
delta-BHC	1	4.76	4.71	4.81	32.6	6.7
	2	4.25	4.20	4.30	30.5	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S07-000102-20251017MS

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3395

Lab Sample ID: Q3395-03MS

Date(s) Analyzed: 10/23/2025 10/23/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Heptachlor epoxide	1	5.68	5.63	5.73	33.3	6.5
	2	4.86	4.81	4.91	31.2	
Endosulfan I	1	6.07	6.02	6.12	32.6	19.9
	2	5.24	5.19	5.29	26.7	
gamma-Chlordane	1	5.94	5.89	5.99	30.8	2.6
	2	5.11	5.06	5.16	31.6	
alpha-Chlordane	1	6.02	5.97	6.07	36.2	15.5
	2	5.18	5.13	5.23	31.0	
Dieldrin	1	6.34	6.29	6.39	32.7	4.1
	2	5.50	5.45	5.55	31.4	
Endrin	1	6.57	6.52	6.62	32.6	9.3
	2	5.78	5.73	5.83	29.7	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S07-000102-20251017MSI

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3395

Lab Sample ID: Q3395-04MSD

Date(s) Analyzed: 10/23/2025 10/23/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.70	6.65	6.75	34.4	15.3
	2	5.92	5.87	5.97	29.5	
4,4'-DDT	1	7.02	6.97	7.07	34.0	9.9
	2	6.17	6.12	6.22	30.8	
alpha-BHC	1	3.99	3.94	4.04	31.9	10.9
	2	3.39	3.34	3.44	28.6	
Aldrin	1	5.26	5.21	5.31	32.6	9.3
	2	4.36	4.31	4.41	29.7	
beta-BHC	1	4.51	4.46	4.56	26.3	9.4
	2	4.02	3.97	4.07	28.9	
delta-BHC	1	4.76	4.71	4.81	32.6	7.3
	2	4.26	4.21	4.31	30.3	
Endosulfan I	1	6.07	6.02	6.12	31.9	18.5
	2	5.24	5.19	5.29	26.5	
alpha-Chlordane	1	6.02	5.97	6.07	31.4	1.9
	2	5.18	5.13	5.23	30.8	
4,4'-DDE	1	6.19	6.14	6.24	37.2	10.8
	2	5.37	5.32	5.42	33.4	
Dieldrin	1	6.34	6.29	6.39	32.9	4.7
	2	5.50	5.45	5.55	31.4	
Endosulfan II	1	6.78	6.73	6.83	31.5	1.3
	2	6.07	6.02	6.12	31.1	
Endrin aldehyde	1	6.91	6.86	6.96	32.8	6.3
	2	6.25	6.20	6.30	30.8	
Endosulfan sulfate	1	7.15	7.10	7.20	32.5	6
	2	6.47	6.42	6.52	30.6	
Methoxychlor	1	7.49	7.44	7.54	33.2	2.1
	2	6.74	6.69	6.79	32.5	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S07-000102-20251017MSI

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3395

Lab Sample ID: Q3395-04MSD

Date(s) Analyzed: 10/23/2025 10/23/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endrin ketone	1	7.63	7.58	7.68	34.1	13.1
	2	6.98	6.93	7.03	29.9	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	31.9	9.2
	2	3.72	3.67	3.77	29.1	
Heptachlor	1	4.92	4.87	4.97	38.1	17.4
	2	4.07	4.02	4.12	32.0	
Heptachlor epoxide	1	5.69	5.64	5.74	32.4	5.4
	2	4.86	4.81	4.91	30.7	
gamma-Chlordane	1	5.94	5.89	5.99	31.0	1
	2	5.12	5.07	5.17	31.3	
Endrin	1	6.57	6.52	6.62	32.1	9.8
	2	5.78	5.73	5.83	29.1	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PR132-S09-000051-20251017

Lab Name: Alliance

Contract: AECO02

Lab Code: ACE

SDG NO.: Q3395

Lab Sample ID: Q3395-01

Date(s) Analyzed: 10/23/2025 10/23/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
gamma-Chlordane	1	5.94	5.89	5.99	0.49	10.8
	2	5.12	5.07	5.17	0.44	
4,4'-DDE	1	6.19	6.14	6.24	1.10	40.5
	2	5.36	5.31	5.41	0.73	