

LAB CHRONICLE

OrderID:	P4722	OrderDate:	11/5/2024 3:33:08 PM
Client:	Walsh Construction Company II, LLC	Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2
Contact:	Kayla Timony	Location:	L23,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4722-03	WC-1(0-6)	SOIL	PCB	8082A	11/05/24	11/07/24	11/07/24	11/05/24
			Pesticide-TCL	8081B		11/07/24	11/07/24	
P4722-08	WC-2(0-6)	SOIL	PCB	8082A	11/05/24	11/07/24	11/07/24	11/05/24
			Pesticide-TCL	8081B		11/07/24	11/07/24	
P4722-13	WC-3(0-6)	SOIL	PCB	8082A	11/05/24	11/07/24	11/07/24	11/05/24
			Pesticide-TCL	8081B		11/07/24	11/07/24	

Hit Summary Sheet
SW-846

SDG No.: P4722

Order ID: P4722

Client: Walsh Construction Company II, LLC

Project ID: NYCDEP C547A - Shafts 17B-1 & 18B

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WC-1(0-6)								
P4722-03	WC-1(0-6)	SOIL	4,4-DDE	2.40	JP	1.40	18.1	ug/kg
P4722-03	WC-1(0-6)	SOIL	4,4-DDD	4.20	J	2.00	18.1	ug/kg
Total Concentration:				6.600				
Client ID : WC-2(0-6)								
P4722-08	WC-2(0-6)	SOIL	Endosulfan Sulfate	0.80	J	0.14	1.90	ug/kg
Total Concentration:				0.800				



SAMPLE DATA

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	11/05/24	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	11/05/24	
Client Sample ID:	WC-1(0-6)		SDG No.:	P4722	
Lab Sample ID:	P4722-03		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	93.8	Decanted:
Sample Wt/Vol:	30.08	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
PL092913.D	10	11/07/24 08:40	11/07/24 17:55	PB164749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	1.90	U	1.90	18.1	ug/kg
319-85-7	beta-BHC	5.20	U	5.20	18.1	ug/kg
319-86-8	delta-BHC	5.00	U	5.00	18.1	ug/kg
58-89-9	gamma-BHC (Lindane)	2.00	U	2.00	18.1	ug/kg
76-44-8	Heptachlor	1.80	U	1.80	18.1	ug/kg
309-00-2	Aldrin	1.50	U	1.50	18.1	ug/kg
1024-57-3	Heptachlor epoxide	2.40	U	2.40	18.1	ug/kg
959-98-8	Endosulfan I	1.80	U	1.80	18.1	ug/kg
60-57-1	Dieldrin	1.60	U	1.60	18.1	ug/kg
72-55-9	4,4-DDE	2.40	JP	1.40	18.1	ug/kg
72-20-8	Endrin	1.70	U	1.70	18.1	ug/kg
33213-65-9	Endosulfan II	3.20	U	3.20	18.1	ug/kg
72-54-8	4,4-DDD	4.20	J	2.00	18.1	ug/kg
1031-07-8	Endosulfan Sulfate	1.40	U	1.40	18.1	ug/kg
50-29-3	4,4-DDT	1.80	U	1.80	18.1	ug/kg
72-43-5	Methoxychlor	4.00	U	4.00	18.1	ug/kg
53494-70-5	Endrin ketone	2.30	U	2.30	18.1	ug/kg
7421-93-4	Endrin aldehyde	4.10	U	4.10	18.1	ug/kg
5103-71-9	alpha-Chlordane	1.80	U	1.80	18.1	ug/kg
5103-74-2	gamma-Chlordane	2.00	U	2.00	18.1	ug/kg
8001-35-2	Toxaphene	55.5	U	55.5	351	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.7		10 - 148	99%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.2		10 - 159	81%	SPK: 20

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	11/05/24	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	11/05/24	
Client Sample ID:	WC-1(0-6)		SDG No.:	P4722	
Lab Sample ID:	P4722-03		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	93.8	Decanted:
Sample Wt/Vol:	30.08	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
PL092913.D	10	11/07/24 08:40	11/07/24 17:55	PB164749

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	11/05/24	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	11/05/24	
Client Sample ID:	WC-2(0-6)		SDG No.:	P4722	
Lab Sample ID:	P4722-08		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	90.1	Decanted:
Sample Wt/Vol:	30.1	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
PL092905.D	1	11/07/24 08:40	11/07/24 16:04	PB164749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.20	U	0.20	1.90	ug/kg
319-85-7	beta-BHC	0.54	U	0.54	1.90	ug/kg
319-86-8	delta-BHC	0.52	U	0.52	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.21	U	0.21	1.90	ug/kg
76-44-8	Heptachlor	0.19	U	0.19	1.90	ug/kg
309-00-2	Aldrin	0.15	U	0.15	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.25	U	0.25	1.90	ug/kg
959-98-8	Endosulfan I	0.19	U	0.19	1.90	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	1.90	ug/kg
72-55-9	4,4-DDE	0.14	U	0.14	1.90	ug/kg
72-20-8	Endrin	0.18	U	0.18	1.90	ug/kg
33213-65-9	Endosulfan II	0.33	U	0.33	1.90	ug/kg
72-54-8	4,4-DDD	0.21	U	0.21	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.80	J	0.14	1.90	ug/kg
50-29-3	4,4-DDT	0.19	U	0.19	1.90	ug/kg
72-43-5	Methoxychlor	0.42	U	0.42	1.90	ug/kg
53494-70-5	Endrin ketone	0.24	U	0.24	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.43	U	0.43	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.19	U	0.19	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.21	U	0.21	1.90	ug/kg
8001-35-2	Toxaphene	5.80	U	5.80	36.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.1		10 - 148	81%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.4		10 - 159	77%	SPK: 20

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	11/05/24	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	11/05/24	
Client Sample ID:	WC-2(0-6)		SDG No.:	P4722	
Lab Sample ID:	P4722-08		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	90.1	Decanted:
Sample Wt/Vol:	30.1	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
PL092905.D	1	11/07/24 08:40	11/07/24 16:04	PB164749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	11/05/24	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	11/05/24	
Client Sample ID:	WC-3(0-6)		SDG No.:	P4722	
Lab Sample ID:	P4722-13		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	86.6	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
PL092914.D	10	11/07/24 08:40	11/07/24 18:09	PB164749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	2.10	U	2.10	19.6	ug/kg
319-85-7	beta-BHC	5.70	U	5.70	19.6	ug/kg
319-86-8	delta-BHC	5.40	U	5.40	19.6	ug/kg
58-89-9	gamma-BHC (Lindane)	2.20	U	2.20	19.6	ug/kg
76-44-8	Heptachlor	2.00	U	2.00	19.6	ug/kg
309-00-2	Aldrin	1.60	U	1.60	19.6	ug/kg
1024-57-3	Heptachlor epoxide	2.70	U	2.70	19.6	ug/kg
959-98-8	Endosulfan I	2.00	U	2.00	19.6	ug/kg
60-57-1	Dieldrin	1.70	U	1.70	19.6	ug/kg
72-55-9	4,4-DDE	1.50	U	1.50	19.6	ug/kg
72-20-8	Endrin	1.80	U	1.80	19.6	ug/kg
33213-65-9	Endosulfan II	3.50	U	3.50	19.6	ug/kg
72-54-8	4,4-DDD	2.20	U	2.20	19.6	ug/kg
1031-07-8	Endosulfan Sulfate	1.50	U	1.50	19.6	ug/kg
50-29-3	4,4-DDT	2.00	U	2.00	19.6	ug/kg
72-43-5	Methoxychlor	4.40	U	4.40	19.6	ug/kg
53494-70-5	Endrin ketone	2.50	U	2.50	19.6	ug/kg
7421-93-4	Endrin aldehyde	4.50	U	4.50	19.6	ug/kg
5103-71-9	alpha-Chlordane	2.00	U	2.00	19.6	ug/kg
5103-74-2	gamma-Chlordane	2.20	U	2.20	19.6	ug/kg
8001-35-2	Toxaphene	60.3	U	60.3	381	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.2		10 - 148	91%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.1		10 - 159	76%	SPK: 20

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	11/05/24	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	11/05/24	
Client Sample ID:	WC-3(0-6)		SDG No.:	P4722	
Lab Sample ID:	P4722-13		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	86.6	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
PL092914.D	10	11/07/24 08:40	11/07/24 18:09	PB164749

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

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() = Laboratory InHouse Limit



QC SUMMARY

Surrogate Summary

SDG No.: **P4722**

Client: **Walsh Construction Company II, LLC**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PL092652.D	PIBLK-PL092652.D	Decachlorobiphenyl	1	20	22.7	114		43	140
		Tetrachloro-m-xylene	1	20	21.6	108		77	126
		Decachlorobiphenyl	2	20	21.7	109		43	140
		Tetrachloro-m-xylene	2	20	20.4	102		77	126
I.BLK-PL092886.D	PIBLK-PL092886.D	Decachlorobiphenyl	1	20	20.5	103		43	140
		Tetrachloro-m-xylene	1	20	20.4	102		77	126
		Decachlorobiphenyl	2	20	19.2	96		43	140
		Tetrachloro-m-xylene	2	20	19.5	98		77	126
PB164749BL	PB164749BL	Decachlorobiphenyl	1	20	22.4	112		10	148
		Tetrachloro-m-xylene	1	20	20.9	104		10	159
		Decachlorobiphenyl	2	20	22.3	111		10	148
		Tetrachloro-m-xylene	2	20	20.1	101		10	159
PB164749BS	PB164749BS	Decachlorobiphenyl	1	20	19.3	96		10	148
		Tetrachloro-m-xylene	1	20	18.2	91		10	159
		Decachlorobiphenyl	2	20	19.1	96		10	148
		Tetrachloro-m-xylene	2	20	16.9	85		10	159
P4720-01MS	JC-701-COMP-01MS	Decachlorobiphenyl	1	20	13.5	67		10	148
		Tetrachloro-m-xylene	1	20	15.1	75		10	159
		Decachlorobiphenyl	2	20	14.3	72		10	148
		Tetrachloro-m-xylene	2	20	10.8	54		10	159
P4720-01MSD	JC-701-COMP-01MSD	Decachlorobiphenyl	1	20	13.4	67		10	148
		Tetrachloro-m-xylene	1	20	15.2	76		10	159
		Decachlorobiphenyl	2	20	14.4	72		10	148
		Tetrachloro-m-xylene	2	20	10.9	55		10	159
I.BLK-PL092903.D	PIBLK-PL092903.D	Decachlorobiphenyl	1	20	18.5	92		43	140
		Tetrachloro-m-xylene	1	20	20.5	103		77	126
		Decachlorobiphenyl	2	20	17.0	85		43	140
		Tetrachloro-m-xylene	2	20	19.4	97		77	126
P4722-08	WC-2(0-6)	Decachlorobiphenyl	1	20	16.1	81		10	148
		Tetrachloro-m-xylene	1	20	13.9	69		10	159
		Decachlorobiphenyl	2	20	12.6	63		10	148
		Tetrachloro-m-xylene	2	20	15.4	77		10	159
I.BLK-PL092911.D	PIBLK-PL092911.D	Decachlorobiphenyl	1	20	19.1	96		43	140
		Tetrachloro-m-xylene	1	20	20.0	100		77	126
		Decachlorobiphenyl	2	20	17.3	86		43	140
		Tetrachloro-m-xylene	2	20	19.5	98		77	126
P4722-03	WC-1(0-6)	Decachlorobiphenyl	1	20	19.7	99		10	148
		Tetrachloro-m-xylene	1	20	14.9	75		10	159
		Decachlorobiphenyl	2	20	16.6	83		10	148
		Tetrachloro-m-xylene	2	20	16.2	81		10	159
P4722-13	WC-3(0-6)	Decachlorobiphenyl	1	20	18.2	91		10	148

Surrogate Summary

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
P4722-13	WC-3(0-6)	Tetrachloro-m-xylene	1	20	15.1	76		10	159
		Decachlorobiphenyl	2	20	13.2	66		10	148
		Tetrachloro-m-xylene	2	20	15.1	76		10	159
I.BLK-PL092915.D	PIBLK-PL092915.D	Decachlorobiphenyl	1	20	20.3	101		43	140
		Tetrachloro-m-xylene	1	20	20.5	103		77	126
		Decachlorobiphenyl	2	20	18.7	93		43	140
		Tetrachloro-m-xylene	2	20	20.1	100		77	126

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8081B

DataFile : PL092900.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	JC-701-COMP-01MS											
P4720-01MS	alpha-BHC	18.35	0	16.4	ug/kg	89				60	144	
	beta-BHC	18.35	0	19.0	ug/kg	104				54	143	
	delta-BHC	18.35	0	4.60	ug/kg	25	*			47	144	
	gamma-BHC (Lindane)	18.35	0	16.7	ug/kg	91				61	140	
	Heptachlor	18.35	0	19.3	ug/kg	105				63	135	
	Aldrin	18.35	0	18.3	ug/kg	100				49	139	
	Heptachlor epoxide	18.35	0	18.6	ug/kg	101				32	180	
	Endosulfan I	18.35	0	17.9	ug/kg	98				56	142	
	Dieldrin	18.35	0	20.8	ug/kg	113				47	161	
	4,4'-DDE	18.35	7.3	25.7	ug/kg	100				55	136	
	Endrin	18.35	0	21.7	ug/kg	118				57	139	
	Endosulfan II	18.35	0	20.0	ug/kg	109				40	163	
	4,4'-DDD	18.35	0	20.3	ug/kg	111				37	192	
	Endosulfan sulfate	18.35	0	15.7	ug/kg	86				62	139	
	4,4'-DDT	18.35	14.8	31.9	ug/kg	93				51	146	
	Methoxychlor	18.35	0	18.1	ug/kg	99				54	136	
	Endrin ketone	18.35	0	18.0	ug/kg	98				60	129	
	Endrin aldehyde	18.35	0	18.5	ug/kg	101				59	132	
	alpha-Chlordane	18.35	0	19.2	ug/kg	105				30	192	
	gamma-Chlordane	18.35	0	20.2	ug/kg	110				44	175	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8081B

DataFile : PL092901.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	JC-701-COMP-01MSD											
P4720-01MSD	alpha-BHC	18.37	0	16.7	ug/kg	91		2		60	144	20
	beta-BHC	18.37	0	19.6	ug/kg	107		3		54	143	20
	delta-BHC	18.37	0	4.60	ug/kg	25	*	0		47	144	20
	gamma-BHC (Lindane)	18.37	0	17.1	ug/kg	93		2		61	140	20
	Heptachlor	18.37	0	19.7	ug/kg	107		2		63	135	20
	Aldrin	18.37	0	18.8	ug/kg	102		2		49	139	20
	Heptachlor epoxide	18.37	0	19.0	ug/kg	103		2		32	180	20
	Endosulfan I	18.37	0	18.1	ug/kg	99		1		56	142	20
	Dieldrin	18.37	0	21.4	ug/kg	116		3		47	161	20
	4,4'-DDE	18.37	7.3	26.2	ug/kg	103		3		55	136	20
	Endrin	18.37	0	22.0	ug/kg	120		2		57	139	20
	Endosulfan II	18.37	0	20.5	ug/kg	112		3		40	163	20
	4,4'-DDD	18.37	0	20.5	ug/kg	112		1		37	192	20
	Endosulfan sulfate	18.37	0	16.1	ug/kg	88		2		62	139	20
	4,4'-DDT	18.37	14.8	32.5	ug/kg	96		3		51	146	20
	Methoxychlor	18.37	0	19.4	ug/kg	106		7		54	136	20
	Endrin ketone	18.37	0	18.5	ug/kg	101		3		60	129	20
	Endrin aldehyde	18.37	0	18.8	ug/kg	102		1		59	132	20
	alpha-Chlordane	18.37	0	19.7	ug/kg	107		2		30	192	20
	gamma-Chlordane	18.37	0	20.8	ug/kg	113		3		44	175	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: **8081B** Datafile : PL092898.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB164749BS	alpha-BHC	16.66	16.1	ug/kg	97				84	123	
	beta-BHC	16.66	16.7	ug/kg	100				82	123	
	delta-BHC	16.66	14.3	ug/kg	86				83	126	
	gamma-BHC (Lindane)	16.66	16.0	ug/kg	96				83	125	
	Heptachlor	16.66	17.0	ug/kg	102				83	122	
	Aldrin	16.66	16.3	ug/kg	98				82	124	
	Heptachlor epoxide	16.66	16.7	ug/kg	100				83	120	
	Endosulfan I	16.66	17.1	ug/kg	103				81	124	
	Dieldrin	16.66	17.2	ug/kg	103				85	121	
	4,4'-DDE	16.66	17.2	ug/kg	103				81	123	
	Endrin	16.66	17.8	ug/kg	107				76	130	
	Endosulfan II	16.66	17.7	ug/kg	106				80	125	
	4,4'-DDD	16.66	17.7	ug/kg	106				80	131	
	Endosulfan sulfate	16.66	17.1	ug/kg	103				81	122	
	4,4'-DDT	16.66	17.7	ug/kg	106				70	129	
	Methoxychlor	16.66	17.1	ug/kg	103				60	119	
	Endrin ketone	16.66	17.3	ug/kg	104				77	132	
	Endrin aldehyde	16.66	16.7	ug/kg	100				79	124	
	alpha-Chlordane	16.66	17.1	ug/kg	103				84	120	
	gamma-Chlordane	16.66	17.2	ug/kg	103				83	122	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164749BL

Lab Name: CHEMTECH

Contract: WALS01

Lab Code: CHEM Case No.: P4722

SAS No.: P4722 SDG NO.: P4722

Lab Sample ID: PB164749BL

Lab File ID: PL092897.D

Matrix: (soil/water) Solid

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 11/07/2024

Date Analyzed (1): 11/07/2024

Date Analyzed (2): 11/07/2024

Time Analyzed (1): 13:52

Time Analyzed (2): 13:52

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB164749BS	PB164749BS	PL092898.D	11/07/2024	11/07/2024
JC-701-COMP-01MS	P4720-01MS	PL092900.D	11/07/2024	11/07/2024
JC-701-COMP-01MSD	P4720-01MSD	PL092901.D	11/07/2024	11/07/2024
WC-2 (0-6)	P4722-08	PL092905.D	11/07/2024	11/07/2024
WC-1 (0-6)	P4722-03	PL092913.D	11/07/2024	11/07/2024
WC-3 (0-6)	P4722-13	PL092914.D	11/07/2024	11/07/2024

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:		
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:		
Client Sample ID:	PB164749BL		SDG No.:	P4722	
Lab Sample ID:	PB164749BL		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	100	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-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
PL092897.D	1	11/07/24 08:40	11/07/24 13:52	PB164749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.18	U	0.18	1.70	ug/kg
319-85-7	beta-BHC	0.49	U	0.49	1.70	ug/kg
319-86-8	delta-BHC	0.47	U	0.47	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	0.19	U	0.19	1.70	ug/kg
76-44-8	Heptachlor	0.17	U	0.17	1.70	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	1.70	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	1.70	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.70	ug/kg
72-55-9	4,4-DDE	0.13	U	0.13	1.70	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.70	ug/kg
33213-65-9	Endosulfan II	0.30	U	0.30	1.70	ug/kg
72-54-8	4,4-DDD	0.19	U	0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	1.70	ug/kg
72-43-5	Methoxychlor	0.38	U	0.38	1.70	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	0.39	U	0.39	1.70	ug/kg
5103-71-9	alpha-Chlordane	0.17	U	0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	0.19	U	0.19	1.70	ug/kg
8001-35-2	Toxaphene	5.20	U	5.20	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.4		10 - 148	112%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.9		10 - 159	104%	SPK: 20

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:		
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:		
Client Sample ID:	PB164749BL		SDG No.:	P4722	
Lab Sample ID:	PB164749BL		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	100	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-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
PL092897.D	1	11/07/24 08:40	11/07/24 13:52	PB164749

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	10/28/24	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	10/28/24	
Client Sample ID:	PIBLK-PL092652.D		SDG No.:	P4722	
Lab Sample ID:	I.BLK-PL092652.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-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
PL092652.D	1		10/28/24	PL102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.7		43 - 140	114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		77 - 126	108%	SPK: 20

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	10/28/24	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	10/28/24	
Client Sample ID:	PIBLK-PL092652.D		SDG No.:	P4722	
Lab Sample ID:	I.BLK-PL092652.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-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
PL092652.D	1		10/28/24	PL102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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N = Presumptive Evidence of a Compound

* = Values outside of QC limits

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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:	Walsh Construction Company II, LLC		Date Collected:	11/07/24	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	11/07/24	
Client Sample ID:	PIBLK-PL092886.D		SDG No.:	P4722	
Lab Sample ID:	I.BLK-PL092886.D		Matrix:	water	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-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
PL092886.D	1		11/07/24	PL110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.5		43 - 140	103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.4		77 - 126	102%	SPK: 20

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	11/07/24	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	11/07/24	
Client Sample ID:	PIBLK-PL092886.D		SDG No.:	P4722	
Lab Sample ID:	I.BLK-PL092886.D		Matrix:	water	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-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
PL092886.D	1		11/07/24	PL110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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:	Walsh Construction Company II, LLC	Date Collected:	11/07/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/07/24
Client Sample ID:	PIBLK-PL092903.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PL092903.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092903.D	1		11/07/24	PL110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.5		43 - 140	92%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.5		77 - 126	103%	SPK: 20

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	11/07/24	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	11/07/24	
Client Sample ID:	PIBLK-PL092903.D		SDG No.:	P4722	
Lab Sample ID:	I.BLK-PL092903.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-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
PL092903.D	1		11/07/24	PL110724

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

U = Not Detected

LOQ = Limit of Quantitation

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LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

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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:	Walsh Construction Company II, LLC		Date Collected:	11/07/24	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	11/07/24	
Client Sample ID:	PIBLK-PL092911.D		SDG No.:	P4722	
Lab Sample ID:	I.BLK-PL092911.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-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
PL092911.D	1		11/07/24	PL110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.1		43 - 140	96%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.0		77 - 126	100%	SPK: 20

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/07/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/07/24
Client Sample ID:	PIBLK-PL092911.D	SDG No.:	P4722
Lab Sample ID:	I.BLK-PL092911.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092911.D	1		11/07/24	PL110724

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	11/07/24	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	11/07/24	
Client Sample ID:	PIBLK-PL092915.D		SDG No.:	P4722	
Lab Sample ID:	I.BLK-PL092915.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-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
PL092915.D	1		11/07/24	PL110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.3		43 - 140	101%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.5		77 - 126	103%	SPK: 20

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	11/07/24	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	11/07/24	
Client Sample ID:	PIBLK-PL092915.D		SDG No.:	P4722	
Lab Sample ID:	I.BLK-PL092915.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-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
PL092915.D	1		11/07/24	PL110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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B = Analyte Found in Associated Method Blank

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Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	
Client Sample ID:	PB164749BS		SDG No.:	P4722
Lab Sample ID:	PB164749BS		Matrix:	SOIL
Analytical Method:	SW8081		% Solid:	100
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
PL092898.D	1	11/07/24 08:40	11/07/24 14:06	PB164749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	16.1		0.18	1.70	ug/kg
319-85-7	beta-BHC	16.7		0.49	1.70	ug/kg
319-86-8	delta-BHC	14.3		0.47	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	16.0		0.19	1.70	ug/kg
76-44-8	Heptachlor	17.0		0.17	1.70	ug/kg
309-00-2	Aldrin	16.3		0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	16.7		0.23	1.70	ug/kg
959-98-8	Endosulfan I	17.1		0.17	1.70	ug/kg
60-57-1	Dieldrin	17.2		0.15	1.70	ug/kg
72-55-9	4,4-DDE	17.2		0.13	1.70	ug/kg
72-20-8	Endrin	17.8		0.16	1.70	ug/kg
33213-65-9	Endosulfan II	17.7		0.30	1.70	ug/kg
72-54-8	4,4-DDD	17.7		0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	17.1		0.13	1.70	ug/kg
50-29-3	4,4-DDT	17.7		0.17	1.70	ug/kg
72-43-5	Methoxychlor	17.1		0.38	1.70	ug/kg
53494-70-5	Endrin ketone	17.3		0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	16.7		0.39	1.70	ug/kg
5103-71-9	alpha-Chlordane	17.1		0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	17.2		0.19	1.70	ug/kg
8001-35-2	Toxaphene	5.20	U	5.20	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.3		10 - 148	96%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.2		10 - 159	91%	SPK: 20

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:		
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:		
Client Sample ID:	PB164749BS		SDG No.:	P4722	
Lab Sample ID:	PB164749BS		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	100	Decanted:
Sample Wt/Vol:	30.01	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-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
PL092898.D	1	11/07/24 08:40	11/07/24 14:06	PB164749

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

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LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	11/05/24	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	11/05/24	
Client Sample ID:	JC-701-COMP-01MS		SDG No.:	P4722	
Lab Sample ID:	P4720-01MS		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	90.6	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
PL092900.D	1	11/07/24 08:40	11/07/24 14:34	PB164749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	16.4		0.20	1.90	ug/kg
319-85-7	beta-BHC	19.0		0.54	1.90	ug/kg
319-86-8	delta-BHC	4.60		0.52	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	16.7		0.21	1.90	ug/kg
76-44-8	Heptachlor	19.3		0.19	1.90	ug/kg
309-00-2	Aldrin	18.3		0.15	1.90	ug/kg
1024-57-3	Heptachlor epoxide	18.6		0.25	1.90	ug/kg
959-98-8	Endosulfan I	17.9		0.19	1.90	ug/kg
60-57-1	Dieldrin	20.8		0.17	1.90	ug/kg
72-55-9	4,4-DDE	25.7		0.14	1.90	ug/kg
72-20-8	Endrin	21.7		0.18	1.90	ug/kg
33213-65-9	Endosulfan II	20.0		0.33	1.90	ug/kg
72-54-8	4,4-DDD	20.3		0.21	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	15.7		0.14	1.90	ug/kg
50-29-3	4,4-DDT	31.9		0.19	1.90	ug/kg
72-43-5	Methoxychlor	18.1		0.42	1.90	ug/kg
53494-70-5	Endrin ketone	18.0		0.24	1.90	ug/kg
7421-93-4	Endrin aldehyde	18.5		0.43	1.90	ug/kg
5103-71-9	alpha-Chlordane	19.2		0.19	1.90	ug/kg
5103-74-2	gamma-Chlordane	20.2		0.21	1.90	ug/kg
8001-35-2	Toxaphene	5.70	U	5.70	36.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.3		10 - 148	72%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.1		10 - 159	75%	SPK: 20

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	11/05/24	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	11/05/24	
Client Sample ID:	JC-701-COMP-01MS		SDG No.:	P4722	
Lab Sample ID:	P4720-01MS		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	90.6	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
PL092900.D	1	11/07/24 08:40	11/07/24 14:34	PB164749

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

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Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	11/05/24
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2	Date Received:	11/05/24
Client Sample ID:	JC-701-COMP-01MSD	SDG No.:	P4722
Lab Sample ID:	P4720-01MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90.6
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
PL092901.D	1	11/07/24 08:40	11/07/24 14:47	PB164749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	16.7		0.20	1.90	ug/kg
319-85-7	beta-BHC	19.6		0.54	1.90	ug/kg
319-86-8	delta-BHC	4.60		0.52	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	17.1		0.21	1.90	ug/kg
76-44-8	Heptachlor	19.7		0.19	1.90	ug/kg
309-00-2	Aldrin	18.8		0.15	1.90	ug/kg
1024-57-3	Heptachlor epoxide	19.0		0.25	1.90	ug/kg
959-98-8	Endosulfan I	18.1		0.19	1.90	ug/kg
60-57-1	Dieldrin	21.4		0.17	1.90	ug/kg
72-55-9	4,4-DDE	26.2		0.14	1.90	ug/kg
72-20-8	Endrin	22.0		0.18	1.90	ug/kg
33213-65-9	Endosulfan II	20.5		0.33	1.90	ug/kg
72-54-8	4,4-DDD	20.5		0.21	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	16.1		0.14	1.90	ug/kg
50-29-3	4,4-DDT	32.5		0.19	1.90	ug/kg
72-43-5	Methoxychlor	19.4		0.42	1.90	ug/kg
53494-70-5	Endrin ketone	18.5		0.24	1.90	ug/kg
7421-93-4	Endrin aldehyde	18.8		0.43	1.90	ug/kg
5103-71-9	alpha-Chlordane	19.7		0.19	1.90	ug/kg
5103-74-2	gamma-Chlordane	20.8		0.21	1.90	ug/kg
8001-35-2	Toxaphene	5.80	U	5.80	36.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.4		10 - 148	72%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.2		10 - 159	76%	SPK: 20

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	11/05/24	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	11/05/24	
Client Sample ID:	JC-701-COMP-01MSD		SDG No.:	P4722	
Lab Sample ID:	P4720-01MSD		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	90.6	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
PL092901.D	1	11/07/24 08:40	11/07/24 14:47	PB164749

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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CALIBRATION SUMMARY

A
B
C
D
E
F
G
H

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

[illegible]

A
B
C
D
E
F
G
H

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

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

Instrument ID: ECD_L

Calibration Date(s): 10/28/2024 10/28/2024

Calibration Times: 14:43 15:36

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

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: WALS01

Lab Code: CHEM **Case No.:** P4722 **SAS No.:** P4722 **SDG NO.:** P4722

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

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

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Instrument ID: ECD_L Date(s) Analyzed: 10/28/2024 10/28/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	6.24	6.14	6.34	23962400
		2	6.44	6.34	6.54	13823600
		3	7.06	6.96	7.16	79159800
		4	7.15	7.05	7.25	59803700
		5	7.93	7.83	8.03	45329200

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract:

WALS01

Lab Code:

CHEM

Case No.:

P4722

SAS No.:

P4722

SDG NO.:

P4722

Instrument ID:

ECD_L

Date(s) Analyzed:

10/28/2024

10/28/2024

GC Column:

ZB-MR1

ID:

0.32

(mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	5.01	4.91	5.11	19952700
		2	5.33	5.23	5.43	19749600
		3	6.61	6.51	6.71	70222500
		4	6.73	6.63	6.83	98337700
		5	7.05	6.95	7.15	65479700

CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Continuing Calib Date: 11/07/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 11:21 Initial Calibration Time(s): 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.78	4.77	4.67	4.87	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.65	7.64	7.54	7.74	-0.01
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Continuing Calib Date: 11/07/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 11:21 Initial Calibration Time(s): 14:43 15:36

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

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

CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

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

Client Sample No.: CCAL01 Date Analyzed: 11/07/2024

Lab Sample No.: PSTDCCC050 Data File : PL092888.D Time Analyzed: 11:21

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.713	6.610	6.810	49.380	50.000	-1.2
4,4'-DDE	6.195	6.093	6.293	46.780	50.000	-6.4
4,4'-DDT	7.026	6.923	7.123	46.720	50.000	-6.6
Aldrin	5.261	5.158	5.358	47.470	50.000	-5.1
alpha-BHC	3.998	3.896	4.096	48.980	50.000	-2.0
alpha-Chlordane	6.022	5.919	6.119	46.630	50.000	-6.7
beta-BHC	4.528	4.425	4.625	48.580	50.000	-2.8
Decachlorobiphenyl	9.059	8.954	9.154	46.020	50.000	-8.0
delta-BHC	4.775	4.672	4.872	48.390	50.000	-3.2
Dieldrin	6.347	6.245	6.445	45.990	50.000	-8.0
Endosulfan I	6.072	5.970	6.170	46.130	50.000	-7.7
Endosulfan II	6.797	6.694	6.894	44.890	50.000	-10.2
Endosulfan sulfate	7.161	7.058	7.258	45.940	50.000	-8.1
Endrin	6.577	6.474	6.674	45.550	50.000	-8.9
Endrin aldehyde	6.927	6.824	7.024	47.550	50.000	-4.9
Endrin ketone	7.647	7.543	7.743	45.940	50.000	-8.1
gamma-BHC (Lindane)	4.330	4.228	4.428	48.790	50.000	-2.4
gamma-Chlordane	5.943	5.841	6.041	46.570	50.000	-6.9
Heptachlor	4.919	4.817	5.017	47.760	50.000	-4.5
Heptachlor epoxide	5.686	5.584	5.784	47.690	50.000	-4.6
Methoxychlor	7.502	7.399	7.599	47.810	50.000	-4.4
Tetrachloro-m-xylene	3.542	3.440	3.640	48.470	50.000	-3.1

CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

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

Client Sample No.: CCAL01 Date Analyzed: 11/07/2024

Lab Sample No.: PSTDCCC050 Data File : PL092888.D Time Analyzed: 11:21

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.790	5.689	5.889	52.090	50.000	4.2
4,4'-DDE	5.235	5.135	5.335	50.820	50.000	1.6
4,4'-DDT	6.040	5.940	6.140	50.770	50.000	1.5
Aldrin	4.230	4.129	4.329	50.690	50.000	1.4
alpha-BHC	3.281	3.181	3.381	50.710	50.000	1.4
alpha-Chlordane	5.046	4.945	5.145	49.960	50.000	-0.1
beta-BHC	3.911	3.810	4.010	49.800	50.000	-0.4
Decachlorobiphenyl	7.917	7.816	8.016	46.840	50.000	-6.3
delta-BHC	4.140	4.039	4.239	51.070	50.000	2.1
Dieldrin	5.367	5.266	5.466	50.630	50.000	1.3
Endosulfan I	5.102	5.002	5.202	48.660	50.000	-2.7
Endosulfan II	5.936	5.836	6.036	51.680	50.000	3.4
Endosulfan sulfate	6.339	6.238	6.438	50.070	50.000	0.1
Endrin	5.642	5.541	5.741	51.530	50.000	3.1
Endrin aldehyde	6.116	6.015	6.215	49.630	50.000	-0.7
Endrin ketone	6.844	6.743	6.943	48.910	50.000	-2.2
gamma-BHC (Lindane)	3.611	3.511	3.711	50.380	50.000	0.8
gamma-Chlordane	4.982	4.882	5.082	50.080	50.000	0.2
Heptachlor	3.950	3.849	4.049	50.240	50.000	0.5
Heptachlor epoxide	4.732	4.632	4.832	50.240	50.000	0.5
Methoxychlor	6.615	6.515	6.715	49.970	50.000	-0.1
Tetrachloro-m-xylene	2.778	2.678	2.878	49.610	50.000	-0.8

CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Continuing Calib Date: 11/07/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 15:29 Initial Calibration Time(s): 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.65	7.64	7.54	7.74	-0.01
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Continuing Calib Date: 11/07/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 15:29 Initial Calibration Time(s): 14:43 15:36

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

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

CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

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

Client Sample No.: CCAL02 Date Analyzed: 11/07/2024

Lab Sample No.: PSTDCCC050 Data File : PL092904.D Time Analyzed: 15:29

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.713	6.610	6.810	46.380	50.000	-7.2
4,4'-DDE	6.194	6.093	6.293	45.140	50.000	-9.7
4,4'-DDT	7.027	6.923	7.123	42.890	50.000	-14.2
Aldrin	5.259	5.158	5.358	45.730	50.000	-8.5
alpha-BHC	3.998	3.896	4.096	47.690	50.000	-4.6
alpha-Chlordane	6.022	5.919	6.119	45.000	50.000	-10.0
beta-BHC	4.528	4.425	4.625	47.930	50.000	-4.1
Decachlorobiphenyl	9.059	8.954	9.154	45.750	50.000	-8.5
delta-BHC	4.774	4.672	4.872	47.810	50.000	-4.4
Dieldrin	6.347	6.245	6.445	44.400	50.000	-11.2
Endosulfan I	6.072	5.970	6.170	44.450	50.000	-11.1
Endosulfan II	6.797	6.694	6.894	42.390	50.000	-15.2
Endosulfan sulfate	7.161	7.058	7.258	43.220	50.000	-13.6
Endrin	6.577	6.474	6.674	42.920	50.000	-14.2
Endrin aldehyde	6.927	6.824	7.024	44.140	50.000	-11.7
Endrin ketone	7.646	7.543	7.743	43.210	50.000	-13.6
gamma-BHC (Lindane)	4.330	4.228	4.428	48.200	50.000	-3.6
gamma-Chlordane	5.943	5.841	6.041	45.360	50.000	-9.3
Heptachlor	4.919	4.817	5.017	46.410	50.000	-7.2
Heptachlor epoxide	5.687	5.584	5.784	45.780	50.000	-8.4
Methoxychlor	7.503	7.399	7.599	43.270	50.000	-13.5
Tetrachloro-m-xylene	3.542	3.440	3.640	47.550	50.000	-4.9

CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

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

Client Sample No.: CCAL02 Date Analyzed: 11/07/2024

Lab Sample No.: PSTDCCC050 Data File : PL092904.D Time Analyzed: 15:29

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.790	5.689	5.889	49.190	50.000	-1.6
4,4'-DDE	5.235	5.135	5.335	50.300	50.000	0.6
4,4'-DDT	6.041	5.940	6.140	44.020	50.000	-12.0
Aldrin	4.230	4.129	4.329	50.680	50.000	1.4
alpha-BHC	3.281	3.181	3.381	51.060	50.000	2.1
alpha-Chlordane	5.046	4.945	5.145	48.510	50.000	-3.0
beta-BHC	3.911	3.810	4.010	49.650	50.000	-0.7
Decachlorobiphenyl	7.917	7.816	8.016	40.370	50.000	-19.3
delta-BHC	4.140	4.039	4.239	51.370	50.000	2.7
Dieldrin	5.367	5.266	5.466	48.730	50.000	-2.5
Endosulfan I	5.102	5.002	5.202	47.480	50.000	-5.0
Endosulfan II	5.937	5.836	6.036	47.060	50.000	-5.9
Endosulfan sulfate	6.339	6.238	6.438	46.300	50.000	-7.4
Endrin	5.642	5.541	5.741	46.330	50.000	-7.3
Endrin aldehyde	6.116	6.015	6.215	44.110	50.000	-11.8
Endrin ketone	6.845	6.743	6.943	43.580	50.000	-12.8
gamma-BHC (Lindane)	3.611	3.511	3.711	49.880	50.000	-0.2
gamma-Chlordane	4.983	4.882	5.082	48.040	50.000	-3.9
Heptachlor	3.950	3.849	4.049	49.860	50.000	-0.3
Heptachlor epoxide	4.732	4.632	4.832	47.410	50.000	-5.2
Methoxychlor	6.616	6.515	6.715	44.210	50.000	-11.6
Tetrachloro-m-xylene	2.778	2.678	2.878	50.400	50.000	0.8

CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Continuing Calib Date: 11/07/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 17:41 Initial Calibration Time(s): 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.78	4.77	4.67	4.87	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.65	7.64	7.54	7.74	-0.01
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Continuing Calib Date: 11/07/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 17:41 Initial Calibration Time(s): 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.24	5.14	5.34	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.01
Endrin ketone	6.85	6.84	6.74	6.94	0.00
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

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

Client Sample No.: CCAL03 Date Analyzed: 11/07/2024

Lab Sample No.: PSTDCCC050 Data File : PL092912.D Time Analyzed: 17:41

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.712	6.610	6.810	47.210	50.000	-5.6
4,4'-DDE	6.195	6.093	6.293	45.000	50.000	-10.0
4,4'-DDT	7.025	6.923	7.123	43.020	50.000	-14.0
Aldrin	5.259	5.158	5.358	45.590	50.000	-8.8
alpha-BHC	3.998	3.896	4.096	48.270	50.000	-3.5
alpha-Chlordane	6.021	5.919	6.119	44.800	50.000	-10.4
beta-BHC	4.528	4.425	4.625	47.790	50.000	-4.4
Decachlorobiphenyl	9.058	8.954	9.154	44.670	50.000	-10.7
delta-BHC	4.775	4.672	4.872	47.530	50.000	-4.9
Dieldrin	6.347	6.245	6.445	44.420	50.000	-11.2
Endosulfan I	6.072	5.970	6.170	44.500	50.000	-11.0
Endosulfan II	6.796	6.694	6.894	42.710	50.000	-14.6
Endosulfan sulfate	7.161	7.058	7.258	43.250	50.000	-13.5
Endrin	6.576	6.474	6.674	43.250	50.000	-13.5
Endrin aldehyde	6.926	6.824	7.024	43.230	50.000	-13.5
Endrin ketone	7.646	7.543	7.743	43.280	50.000	-13.4
gamma-BHC (Lindane)	4.330	4.228	4.428	48.250	50.000	-3.5
gamma-Chlordane	5.942	5.841	6.041	45.330	50.000	-9.3
Heptachlor	4.918	4.817	5.017	46.270	50.000	-7.5
Heptachlor epoxide	5.685	5.584	5.784	45.430	50.000	-9.1
Methoxychlor	7.502	7.399	7.599	43.320	50.000	-13.4
Tetrachloro-m-xylene	3.542	3.440	3.640	48.110	50.000	-3.8

CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

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

Client Sample No.: CCAL03 Date Analyzed: 11/07/2024

Lab Sample No.: PSTDCCC050 Data File : PL092912.D Time Analyzed: 17:41

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.790	5.689	5.889	51.020	50.000	2.0
4,4'-DDE	5.235	5.135	5.335	50.380	50.000	0.8
4,4'-DDT	6.041	5.940	6.140	45.260	50.000	-9.5
Aldrin	4.229	4.129	4.329	51.110	50.000	2.2
alpha-BHC	3.281	3.181	3.381	51.580	50.000	3.2
alpha-Chlordane	5.046	4.945	5.145	49.410	50.000	-1.2
beta-BHC	3.911	3.810	4.010	50.540	50.000	1.1
Decachlorobiphenyl	7.917	7.816	8.016	41.590	50.000	-16.8
delta-BHC	4.139	4.039	4.239	51.690	50.000	3.4
Dieldrin	5.366	5.266	5.466	48.970	50.000	-2.1
Endosulfan I	5.102	5.002	5.202	47.480	50.000	-5.0
Endosulfan II	5.937	5.836	6.036	47.730	50.000	-4.5
Endosulfan sulfate	6.339	6.238	6.438	46.530	50.000	-6.9
Endrin	5.642	5.541	5.741	48.020	50.000	-4.0
Endrin aldehyde	6.116	6.015	6.215	45.950	50.000	-8.1
Endrin ketone	6.845	6.743	6.943	45.130	50.000	-9.7
gamma-BHC (Lindane)	3.611	3.511	3.711	50.980	50.000	2.0
gamma-Chlordane	4.982	4.882	5.082	49.210	50.000	-1.6
Heptachlor	3.950	3.849	4.049	50.550	50.000	1.1
Heptachlor epoxide	4.732	4.632	4.832	49.550	50.000	-0.9
Methoxychlor	6.615	6.515	6.715	44.500	50.000	-11.0
Tetrachloro-m-xylene	2.778	2.678	2.878	50.440	50.000	0.9

CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Continuing Calib Date: 11/07/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 18:51 Initial Calibration Time(s): 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.78	4.77	4.67	4.87	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.65	7.64	7.54	7.74	0.00
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Continuing Calib Date: 11/07/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 18:51 Initial Calibration Time(s): 14:43 15:36

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

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

CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

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

Client Sample No.: CCAL04 Date Analyzed: 11/07/2024

Lab Sample No.: PSTDCCC050 Data File : PL092916.D Time Analyzed: 18:51

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.712	6.610	6.810	47.100	50.000	-5.8
4,4'-DDE	6.194	6.093	6.293	45.860	50.000	-8.3
4,4'-DDT	7.026	6.923	7.123	43.250	50.000	-13.5
Aldrin	5.259	5.158	5.358	46.420	50.000	-7.2
alpha-BHC	3.998	3.896	4.096	48.340	50.000	-3.3
alpha-Chlordane	6.021	5.919	6.119	45.360	50.000	-9.3
beta-BHC	4.528	4.425	4.625	47.410	50.000	-5.2
Decachlorobiphenyl	9.057	8.954	9.154	44.800	50.000	-10.4
delta-BHC	4.775	4.672	4.872	47.740	50.000	-4.5
Dieldrin	6.347	6.245	6.445	45.110	50.000	-9.8
Endosulfan I	6.072	5.970	6.170	45.100	50.000	-9.8
Endosulfan II	6.797	6.694	6.894	44.070	50.000	-11.9
Endosulfan sulfate	7.161	7.058	7.258	43.920	50.000	-12.2
Endrin	6.577	6.474	6.674	43.630	50.000	-12.7
Endrin aldehyde	6.926	6.824	7.024	45.190	50.000	-9.6
Endrin ketone	7.645	7.543	7.743	43.770	50.000	-12.5
gamma-BHC (Lindane)	4.330	4.228	4.428	47.980	50.000	-4.0
gamma-Chlordane	5.942	5.841	6.041	45.440	50.000	-9.1
Heptachlor	4.917	4.817	5.017	46.490	50.000	-7.0
Heptachlor epoxide	5.686	5.584	5.784	45.510	50.000	-9.0
Methoxychlor	7.501	7.399	7.599	44.260	50.000	-11.5
Tetrachloro-m-xylene	3.542	3.440	3.640	47.900	50.000	-4.2

CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

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

Client Sample No.: CCAL04 Date Analyzed: 11/07/2024

Lab Sample No.: PSTDCCC050 Data File : PL092916.D Time Analyzed: 18:51

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.790	5.689	5.889	51.850	50.000	3.7
4,4'-DDE	5.235	5.135	5.335	50.640	50.000	1.3
4,4'-DDT	6.040	5.940	6.140	46.830	50.000	-6.3
Aldrin	4.230	4.129	4.329	50.860	50.000	1.7
alpha-BHC	3.281	3.181	3.381	51.420	50.000	2.8
alpha-Chlordane	5.046	4.945	5.145	50.260	50.000	0.5
beta-BHC	3.910	3.810	4.010	50.530	50.000	1.1
Decachlorobiphenyl	7.917	7.816	8.016	43.460	50.000	-13.1
delta-BHC	4.139	4.039	4.239	51.360	50.000	2.7
Dieldrin	5.366	5.266	5.466	49.910	50.000	-0.2
Endosulfan I	5.102	5.002	5.202	47.240	50.000	-5.5
Endosulfan II	5.937	5.836	6.036	49.040	50.000	-1.9
Endosulfan sulfate	6.338	6.238	6.438	47.640	50.000	-4.7
Endrin	5.642	5.541	5.741	50.320	50.000	0.6
Endrin aldehyde	6.116	6.015	6.215	47.690	50.000	-4.6
Endrin ketone	6.844	6.743	6.943	47.930	50.000	-4.1
gamma-BHC (Lindane)	3.611	3.511	3.711	51.220	50.000	2.4
gamma-Chlordane	4.982	4.882	5.082	50.410	50.000	0.8
Heptachlor	3.950	3.849	4.049	50.110	50.000	0.2
Heptachlor epoxide	4.733	4.632	4.832	50.460	50.000	0.9
Methoxychlor	6.615	6.515	6.715	45.360	50.000	-9.3
Tetrachloro-m-xylene	2.778	2.678	2.878	50.430	50.000	0.9

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

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

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

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

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

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

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

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

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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

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

Client Sample No. (PEM): PEM - PL092887.D Date Analyzed: 11/07/2024

Lab Sample No.(PEM): PEM Time Analyzed: 11:08

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.057	8.960	9.160	21.710	20.000	8.6
Tetrachloro-m-xylene	3.542	3.490	3.590	22.260	20.000	11.3
alpha-BHC	3.997	3.950	4.050	11.600	10.000	16.0
beta-BHC	4.528	4.480	4.580	11.980	10.000	19.8
gamma-BHC (Lindane)	4.330	4.280	4.380	11.340	10.000	13.4
Endrin	6.577	6.510	6.650	45.790	50.000	-8.4
4,4'-DDT	7.027	6.960	7.100	97.140	100.000	-2.9
Methoxychlor	7.502	7.430	7.570	224.260	250.000	-10.3

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

Client Sample No. (PEM): PEM - PL092887.D Date Analyzed: 11/07/2024

Lab Sample No.(PEM): PEM Time Analyzed: 11:08

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.917	7.820	8.020	20.800	20.000	4.0
Tetrachloro-m-xylene	2.778	2.730	2.830	21.690	20.000	8.5
alpha-BHC	3.280	3.230	3.330	10.310	10.000	3.1
beta-BHC	3.910	3.860	3.960	11.590	10.000	15.9
gamma-BHC (Lindane)	3.610	3.560	3.660	10.020	10.000	0.2
Endrin	5.642	5.570	5.710	52.890	50.000	5.8
4,4'-DDT	6.040	5.970	6.110	114.780	100.000	14.8
Methoxychlor	6.616	6.550	6.690	254.450	250.000	1.8

Analytical Sequence

Client: Walsh Construction Company II, LLC	SDG No.: P4722
Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Sta;	Instrument ID: ECD_L
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 10/28/2024 10/28/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	10/28/2024	13:55	PL092652.D	9.05	3.54
PEM	PEM	10/28/2024	14:16	PL092653.D	9.06	3.55
RESCHK	RESCHK	10/28/2024	14:29	PL092654.D	9.05	3.54
PSTDICC100	PSTDICC100	10/28/2024	14:43	PL092655.D	9.05	3.54
PSTDICC075	PSTDICC075	10/28/2024	14:56	PL092656.D	9.05	3.54
PSTDICC050	PSTDICC050	10/28/2024	15:09	PL092657.D	9.05	3.54
PSTDICC025	PSTDICC025	10/28/2024	15:23	PL092658.D	9.05	3.54
PSTDICC005	PSTDICC005	10/28/2024	15:36	PL092659.D	9.05	3.54
PCHLORICC500	PCHLORICC500	10/28/2024	16:16	PL092662.D	9.06	3.54
PTOXICC500	PTOXICC500	10/28/2024	17:23	PL092667.D	9.05	3.54
IBLK	IBLK	11/07/2024	09:34	PL092886.D	9.06	3.54
PEM	PEM	11/07/2024	11:08	PL092887.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/07/2024	11:21	PL092888.D	9.06	3.54
PB164749BL	PB164749BL	11/07/2024	13:52	PL092897.D	9.06	3.54
PB164749BS	PB164749BS	11/07/2024	14:06	PL092898.D	9.06	3.54
JC-701-COMP-01MS	P4720-01MS	11/07/2024	14:34	PL092900.D	9.06	3.54
JC-701-COMP-01MSD	P4720-01MSD	11/07/2024	14:47	PL092901.D	9.06	3.54
IBLK	IBLK	11/07/2024	15:15	PL092903.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/07/2024	15:29	PL092904.D	9.06	3.54
WC-2(0-6)	P4722-08	11/07/2024	16:04	PL092905.D	9.07	3.55
IBLK	IBLK	11/07/2024	17:27	PL092911.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/07/2024	17:41	PL092912.D	9.06	3.54
WC-1(0-6)	P4722-03	11/07/2024	17:55	PL092913.D	9.06	3.54
WC-3(0-6)	P4722-13	11/07/2024	18:09	PL092914.D	9.06	3.54
IBLK	IBLK	11/07/2024	18:37	PL092915.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/07/2024	18:51	PL092916.D	9.06	3.54

Analytical Sequence

Client: Walsh Construction Company II, LLC	SDG No.: P4722
Project: NYCDEP C547A - Shafts 17B-1 & 18B-1 Sta;	Instrument ID: ECD_L
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 10/28/2024 10/28/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	10/28/2024	13:55	PL092652.D	7.92	2.78
PEM	PEM	10/28/2024	14:16	PL092653.D	7.92	2.78
RESCHK	RESCHK	10/28/2024	14:29	PL092654.D	7.92	2.78
PSTDICC100	PSTDICC100	10/28/2024	14:43	PL092655.D	7.92	2.78
PSTDICC075	PSTDICC075	10/28/2024	14:56	PL092656.D	7.92	2.78
PSTDICC050	PSTDICC050	10/28/2024	15:09	PL092657.D	7.92	2.78
PSTDICC025	PSTDICC025	10/28/2024	15:23	PL092658.D	7.92	2.78
PSTDICC005	PSTDICC005	10/28/2024	15:36	PL092659.D	7.92	2.78
PCHLORICC500	PCHLORICC500	10/28/2024	16:16	PL092662.D	7.92	2.78
PTOXICC500	PTOXICC500	10/28/2024	17:23	PL092667.D	7.92	2.78
IBLK	IBLK	11/07/2024	09:34	PL092886.D	7.92	2.78
PEM	PEM	11/07/2024	11:08	PL092887.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/07/2024	11:21	PL092888.D	7.92	2.78
PB164749BL	PB164749BL	11/07/2024	13:52	PL092897.D	7.92	2.78
PB164749BS	PB164749BS	11/07/2024	14:06	PL092898.D	7.92	2.78
JC-701-COMP-01MS	P4720-01MS	11/07/2024	14:34	PL092900.D	7.92	2.78
JC-701-COMP-01MSD	P4720-01MSD	11/07/2024	14:47	PL092901.D	7.92	2.78
IBLK	IBLK	11/07/2024	15:15	PL092903.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/07/2024	15:29	PL092904.D	7.92	2.78
WC-2(0-6)	P4722-08	11/07/2024	16:04	PL092905.D	7.92	2.78
IBLK	IBLK	11/07/2024	17:27	PL092911.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/07/2024	17:41	PL092912.D	7.92	2.78
WC-1(0-6)	P4722-03	11/07/2024	17:55	PL092913.D	7.92	2.78
WC-3(0-6)	P4722-13	11/07/2024	18:09	PL092914.D	7.92	2.78
IBLK	IBLK	11/07/2024	18:37	PL092915.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/07/2024	18:51	PL092916.D	7.92	2.78

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

JC-701-COMP-01MS

Contract: WALS01

Lab Code: CHEM

Case No.: P4722

SAS No.: P4722

SDG NO.: P4722

Lab Sample ID: P4720-01MS

Date(s) Analyzed: 11/07/2024

11/07/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.80	6.75	6.85	17.3	14.5
	2	5.94	5.89	5.99	20.0	
4,4'-DDD	1	6.71	6.66	6.76	20.3	9.3
	2	5.79	5.74	5.84	18.5	
4,4'-DDT	1	7.03	6.98	7.08	28.6	10.9
	2	6.04	5.99	6.09	31.9	
Endrin aldehyde	1	6.93	6.88	6.98	17.0	8.5
	2	6.12	6.07	6.17	18.5	
Endosulfan sulfate	1	7.16	7.11	7.21	14.2	10
	2	6.34	6.29	6.39	15.7	
Methoxychlor	1	7.50	7.45	7.55	17.2	5.1
	2	6.61	6.56	6.66	18.1	
Endrin ketone	1	7.65	7.60	7.70	18.0	0.6
	2	6.85	6.80	6.90	17.9	
alpha-BHC	1	4.00	3.95	4.05	16.3	0.6
	2	3.28	3.23	3.33	16.4	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	16.2	3
	2	3.61	3.56	3.66	16.7	
Heptachlor	1	4.92	4.87	4.97	18.2	5.9
	2	3.95	3.90	4.00	19.3	
Aldrin	1	5.26	5.21	5.31	17.4	5
	2	4.23	4.18	4.28	18.3	
beta-BHC	1	4.53	4.48	4.58	17.7	7.1
	2	3.91	3.86	3.96	19.0	
delta-BHC	1	4.77	4.72	4.82	4.60	19
	2	4.14	4.09	4.19	3.80	
Heptachlor epoxide	1	5.69	5.64	5.74	17.9	3.8
	2	4.73	4.68	4.78	18.6	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

JC-701-COMP-01MS

Contract: WALS01

Lab Code: CHEM

Case No.: P4722

SAS No.: P4722

SDG NO.: P4722

Lab Sample ID: P4720-01MS

Date(s) Analyzed: 11/07/2024

11/07/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan I	1	6.07	6.02	6.12	17.9	10
	2	5.10	5.05	5.15	16.2	
gamma-Chlordane	1	5.94	5.89	5.99	19.1	5.6
	2	4.98	4.93	5.03	20.2	
alpha-Chlordane	1	6.02	5.97	6.07	18.2	5.3
	2	5.05	5.00	5.10	19.2	
4,4'-DDE	1	6.20	6.15	6.25	22.6	12.8
	2	5.23	5.18	5.28	25.7	
Dieldrin	1	6.35	6.30	6.40	17.8	15.5
	2	5.37	5.32	5.42	20.8	
Endrin	1	6.58	6.53	6.63	18.5	15.9
	2	5.64	5.59	5.69	21.7	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

JC-701-COMP-01MSD

Contract: WALS01

Lab Code: CHEM

Case No.: P4722

SAS No.: P4722

SDG NO.: P4722

Lab Sample ID: P4720-01MSD

Date(s) Analyzed: 11/07/2024

11/07/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.71	6.66	6.76	20.5	6.5
	2	5.79	5.74	5.84	19.2	
4,4'-DDT	1	7.03	6.98	7.08	28.8	12.1
	2	6.04	5.99	6.09	32.5	
Aldrin	1	5.26	5.21	5.31	17.6	6.6
	2	4.23	4.18	4.28	18.8	
4,4'-DDE	1	6.19	6.14	6.24	22.8	13.9
	2	5.24	5.19	5.29	26.2	
Endosulfan II	1	6.80	6.75	6.85	17.5	15.8
	2	5.94	5.89	5.99	20.5	
Endrin aldehyde	1	6.93	6.88	6.98	17.0	10.1
	2	6.12	6.07	6.17	18.8	
Endosulfan sulfate	1	7.16	7.11	7.21	14.2	12.5
	2	6.34	6.29	6.39	16.1	
Methoxychlor	1	7.50	7.45	7.55	17.2	12
	2	6.61	6.56	6.66	19.4	
Endrin ketone	1	7.64	7.59	7.69	18.5	3.3
	2	6.84	6.79	6.89	17.9	
alpha-BHC	1	4.00	3.95	4.05	16.5	1.2
	2	3.28	3.23	3.33	16.7	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	16.3	4.8
	2	3.61	3.56	3.66	17.1	
Heptachlor	1	4.92	4.87	4.97	18.3	7.4
	2	3.95	3.90	4.00	19.7	
beta-BHC	1	4.53	4.48	4.58	17.9	9.1
	2	3.91	3.86	3.96	19.6	
delta-BHC	1	4.77	4.72	4.82	4.60	16.5
	2	4.14	4.09	4.19	3.90	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

JC-701-COMP-01MSD

Contract: WALS01

Lab Code: CHEM

Case No.: P4722

SAS No.: P4722

SDG NO.: P4722

Lab Sample ID: P4720-01MSD

Date(s) Analyzed: 11/07/2024

11/07/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Heptachlor epoxide	1	5.69	5.64	5.74	18.0	5.4
	2	4.73	4.68	4.78	19.0	
Endosulfan I	1	6.07	6.02	6.12	18.1	10.5
	2	5.10	5.05	5.15	16.3	
gamma-Chlordane	1	5.94	5.89	5.99	19.2	8
	2	4.98	4.93	5.03	20.8	
alpha-Chlordane	1	6.02	5.97	6.07	18.3	7.4
	2	5.05	5.00	5.10	19.7	
Dieldrin	1	6.35	6.30	6.40	18.0	17.3
	2	5.37	5.32	5.42	21.4	
Endrin	1	6.58	6.53	6.63	18.3	18.4
	2	5.64	5.59	5.69	22.0	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164749BS

Contract: WALS01

Lab Code: CHEM

Case No.: P4722

SAS No.: P4722

SDG NO.: P4722

Lab Sample ID: PB164749BS

Date(s) Analyzed: 11/07/2024

11/07/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.80	6.75	6.85	15.8	11.3
	2	5.94	5.89	5.99	17.7	
4,4'-DDD	1	6.71	6.66	6.76	16.6	6.4
	2	5.79	5.74	5.84	17.7	
4,4'-DDT	1	7.03	6.98	7.08	16.7	5.8
	2	6.04	5.99	6.09	17.7	
Endrin aldehyde	1	6.93	6.88	6.98	15.7	6.2
	2	6.12	6.07	6.17	16.7	
Endosulfan sulfate	1	7.16	7.11	7.21	15.7	8.5
	2	6.34	6.29	6.39	17.1	
Methoxychlor	1	7.50	7.45	7.55	16.3	4.8
	2	6.62	6.57	6.67	17.1	
Endrin ketone	1	7.65	7.60	7.70	15.8	9.1
	2	6.85	6.80	6.90	17.3	
alpha-BHC	1	4.00	3.95	4.05	15.6	3.2
	2	3.28	3.23	3.33	16.1	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	15.5	3.2
	2	3.61	3.56	3.66	16.0	
Heptachlor	1	4.92	4.87	4.97	16.1	5.4
	2	3.95	3.90	4.00	17.0	
Aldrin	1	5.26	5.21	5.31	15.3	6.3
	2	4.23	4.18	4.28	16.3	
beta-BHC	1	4.53	4.48	4.58	16.0	4.3
	2	3.91	3.86	3.96	16.7	
delta-BHC	1	4.78	4.73	4.83	14.2	0.7
	2	4.14	4.09	4.19	14.3	
Heptachlor epoxide	1	5.69	5.64	5.74	15.5	7.5
	2	4.73	4.68	4.78	16.7	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164749BS

Contract: WALS01

Lab Code: CHEM

Case No.: P4722

SAS No.: P4722

SDG NO.: P4722

Lab Sample ID: PB164749BS

Date(s) Analyzed: 11/07/2024

11/07/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan I	1	6.07	6.02	6.12	15.9	7.3
	2	5.10	5.05	5.15	17.1	
gamma-Chlordane	1	5.94	5.89	5.99	16.1	6.6
	2	4.98	4.93	5.03	17.2	
alpha-Chlordane	1	6.02	5.97	6.07	16.1	6
	2	5.05	5.00	5.10	17.1	
4,4'-DDE	1	6.20	6.15	6.25	16.3	5.4
	2	5.24	5.19	5.29	17.2	
Dieldrin	1	6.35	6.30	6.40	16.0	7.2
	2	5.37	5.32	5.42	17.2	
Endrin	1	6.58	6.53	6.63	15.9	11.3
	2	5.64	5.59	5.69	17.8	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-1(0-6)

Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab Sample ID: P4722-03 Date(s) Analyzed: 11/07/2024 11/07/2024

Instrument ID (1): ECD_L Instrument ID (2): ECD_L

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDE	1	6.19	6.14	6.24	1.80	28.6
	2	5.24	5.19	5.29	2.40	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-2(0-6)

Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG NO.: P4722

Lab Sample ID: P4722-08 Date(s) Analyzed: 11/07/2024 11/07/2024

Instrument ID (1): ECD_L Instrument ID (2): ECD_L

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan sulfate	1	7.15	7.10	7.20	0.80	5.2
	2	6.34	6.29	6.39	0.76	