

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			11/05/24			11/05/24
			Gasoline Range Organics	8015D			11/08/24	
			PCB	8082A		11/07/24	11/07/24	
			Pesticide-TCL	8081B		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-03DL	WC-1(0-6)DL	Solid			11/05/24			11/05/24
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-05	WC-1(0-6)	WATER			11/05/24			11/05/24
			SPLP Pesticide	8081B		11/10/24	11/11/24	
P4722-08	WC-2(0-6)	SOIL			11/05/24			11/05/24
			Gasoline Range Organics	8015D			11/07/24	
			PCB	8082A		11/07/24	11/07/24	
			Pesticide-TCL	8081B		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-08DL	WC-2(0-6)DL	Solid			11/05/24			11/05/24
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-10	WC-2(0-6)	WATER			11/05/24			11/05/24
			SPLP Pesticide	8081B		11/10/24	11/11/24	
P4722-13	WC-3(0-6)	SOIL			11/05/24			11/05/24
			Gasoline Range Organics	8015D			11/08/24	
			PCB	8082A		11/07/24	11/07/24	
			Pesticide-TCL	8081B		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/07/24	
			EPH_NF	NJEPH		11/07/24	11/08/24	

LAB CHRONICLE

P4722-13DL	WC-3(0-6)DL	Solid			11/05/24			11/05/24
			EPH_NF	NJEPH		11/07/24	11/08/24	
P4722-15	WC-3(0-6)	WATER			11/05/24			11/05/24
			SPLP Pesticide	8081B		11/10/24	11/11/24	



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

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
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Client ID :

Total Concentration: 0.000



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:	P4722-05		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092974.D	1	11/10/24 13:30	11/11/24 20:42	PB164885

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	14.0		43 - 140	70%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.5		77 - 126	98%	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:	P4722-05		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092974.D	1	11/10/24 13:30	11/11/24 20:42	PB164885

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:	P4722-10		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092975.D	1	11/10/24 13:30	11/11/24 20:56	PB164885

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	16.5		43 - 140	82%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.6		77 - 126	98%	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:	P4722-10		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092975.D	1	11/10/24 13:30	11/11/24 20:56	PB164885

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:	P4722-15		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092976.D	1	11/10/24 13:30	11/11/24 21:10	PB164885

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	15.3		43 - 140	76%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.1		77 - 126	106%	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:	P4722-15		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092976.D	1	11/10/24 13:30	11/11/24 21:10	PB164885

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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* = Values outside of QC limits

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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:	11/10/24	
Client Sample ID:	PB164885TB		SDG No.:	P4722	
Lab Sample ID:	PB164885TB		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092970.D	1	11/10/24 13:30	11/11/24 19:33	PB164885

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	19.9		43 - 140	100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		77 - 126	103%	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:	11/10/24	
Client Sample ID:	PB164885TB		SDG No.:	P4722	
Lab Sample ID:	PB164885TB		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092970.D	1	11/10/24 13:30	11/11/24 19:33	PB164885

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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-PL092959.D	PIBLK-PL092959.D	Decachlorobiphenyl	1	20	22.0	110		43	140
		Tetrachloro-m-xylene	1	20	22.1	110		77	126
		Decachlorobiphenyl	2	20	22.2	111		43	140
		Tetrachloro-m-xylene	2	20	21.5	107		77	126
PB164885BL	PB164885BL	Decachlorobiphenyl	1	20	19.4	97		43	140
		Tetrachloro-m-xylene	1	20	20.4	102		77	126
		Decachlorobiphenyl	2	20	19.4	97		43	140
		Tetrachloro-m-xylene	2	20	19.2	96		77	126
PB164885BS	PB164885BS	Decachlorobiphenyl	1	20	17.6	88		43	140
		Tetrachloro-m-xylene	1	20	18.7	94		77	126
		Decachlorobiphenyl	2	20	17.3	86		43	140
		Tetrachloro-m-xylene	2	20	17.2	86		77	126
PB164885TB	PB164885TB	Decachlorobiphenyl	1	20	19.9	100		43	140
		Tetrachloro-m-xylene	1	20	20.6	103		77	126
		Decachlorobiphenyl	2	20	19.5	97		43	140
		Tetrachloro-m-xylene	2	20	19.7	98		77	126
I.BLK-PL092971.D	PIBLK-PL092971.D	Decachlorobiphenyl	1	20	21.6	108		43	140
		Tetrachloro-m-xylene	1	20	22.7	114		77	126
		Decachlorobiphenyl	2	20	20.6	103		43	140
		Tetrachloro-m-xylene	2	20	21.6	108		77	126
P4722-05	WC-1(0-6)	Decachlorobiphenyl	1	20	14.0	70		43	140
		Tetrachloro-m-xylene	1	20	19.5	98		77	126
		Decachlorobiphenyl	2	20	13.6	68		43	140
		Tetrachloro-m-xylene	2	20	18.7	94		77	126
P4722-10	WC-2(0-6)	Decachlorobiphenyl	1	20	16.5	82		43	140
		Tetrachloro-m-xylene	1	20	19.4	97		77	126
		Decachlorobiphenyl	2	20	16.1	80		43	140
		Tetrachloro-m-xylene	2	20	19.6	98		77	126
P4722-15	WC-3(0-6)	Decachlorobiphenyl	1	20	15.3	76		43	140
		Tetrachloro-m-xylene	1	20	21.1	106		77	126
		Decachlorobiphenyl	2	20	14.8	74		43	140
		Tetrachloro-m-xylene	2	20	20.6	103		77	126
P4722-15MS	WC-3(0-6)MS	Decachlorobiphenyl	1	20	15.8	79		43	140
		Tetrachloro-m-xylene	1	20	21.5	107		77	126
		Decachlorobiphenyl	2	20	15.6	78		43	140
		Tetrachloro-m-xylene	2	20	21.8	109		77	126
P4722-15MSD	WC-3(0-6)MSD	Decachlorobiphenyl	1	20	15.6	78		43	140

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
P4722-15MSD	WC-3(0-6)MSD	Tetrachloro-m-xylene	1	20	21.5	108		77	126
		Decachlorobiphenyl	2	20	15.3	76		43	140
		Tetrachloro-m-xylene	2	20	21.7	108		77	126
I.BLK-PL092992.D	PIBLK-PL092992.D	Decachlorobiphenyl	1	20	22.2	111		43	140
		Tetrachloro-m-xylene	1	20	22.8	114		77	126
		Decachlorobiphenyl	2	20	21.8	109		43	140
		Tetrachloro-m-xylene	2	20	22.2	111		77	126

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8081B

DataFile : PL092977.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	WC-3(0-6)MS											
P4722-15MS	alpha-BHC	0.5	0	0.57	ug/L	115				46	160	
	beta-BHC	0.5	0	0.59	ug/L	119				15	175	
	delta-BHC	0.5	0	0.49	ug/L	98				10	175	
	gamma-BHC (Lindane)	0.5	0	0.57	ug/L	114				60	152	
	Heptachlor	0.5	0	0.56	ug/L	112				56	147	
	Aldrin	0.5	0	0.53	ug/L	106				45	147	
	Heptachlor epoxide	0.5	0	0.57	ug/L	114				77	143	
	Endosulfan I	0.5	0	0.58	ug/L	117				34	157	
	Dieldrin	0.5	0	0.60	ug/L	119				46	155	
	4,4'-DDE	0.5	0	0.57	ug/L	114				36	162	
	Endrin	0.5	0	0.60	ug/L	120				76	144	
	Endosulfan II	0.5	0	0.59	ug/L	118				21	168	
	4,4'-DDD	0.5	0	0.63	ug/L	126				15	175	
	Endosulfan sulfate	0.5	0	0.56	ug/L	112				14	183	
	4,4'-DDT	0.5	0	0.52	ug/L	104				15	175	
	Methoxychlor	0.5	0	0.51	ug/L	102				70	142	
	Endrin ketone	0.5	0	0.57	ug/L	115				25	172	
	Endrin aldehyde	0.5	0	0.55	ug/L	110				28	175	
	alpha-Chlordane	0.5	0	0.58	ug/L	115				34	160	
	gamma-Chlordane	0.5	0	0.58	ug/L	116				31	163	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: 8081B

DataFile : PL092978.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	WC-3(0-6)MSD											
P4722-15MSD	alpha-BHC	0.5	0	0.56	ug/L	112		3		46	160	20
	beta-BHC	0.5	0	0.58	ug/L	117		2		15	175	20
	delta-BHC	0.5	0	0.48	ug/L	96		2		10	175	20
	gamma-BHC (Lindane)	0.5	0	0.56	ug/L	112		2		60	152	20
	Heptachlor	0.5	0	0.55	ug/L	110		2		56	147	20
	Aldrin	0.5	0	0.52	ug/L	104		2		45	147	22
	Heptachlor epoxide	0.5	0	0.56	ug/L	113		1		77	143	20
	Endosulfan I	0.5	0	0.58	ug/L	115		2		34	157	20
	Dieldrin	0.5	0	0.59	ug/L	118		1		46	155	20
	4,4'-DDE	0.5	0	0.57	ug/L	113		1		36	162	20
	Endrin	0.5	0	0.59	ug/L	118		2		76	144	20
	Endosulfan II	0.5	0	0.58	ug/L	117		1		21	168	20
	4,4'-DDD	0.5	0	0.62	ug/L	123		2		15	175	20
	Endosulfan sulfate	0.5	0	0.55	ug/L	111		1		14	183	20
	4,4'-DDT	0.5	0	0.51	ug/L	103		1		15	175	20
	Methoxychlor	0.5	0	0.50	ug/L	101		1		70	142	20
	Endrin ketone	0.5	0	0.57	ug/L	113		2		25	172	20
	Endrin aldehyde	0.5	0	0.54	ug/L	108		2		28	175	20
	alpha-Chlordane	0.5	0	0.57	ug/L	114		1		34	160	20
	gamma-Chlordane	0.5	0	0.57	ug/L	115		1		31	163	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4722

Client: Walsh Construction Company II, LLC

Analytical Method: **8081B** Datafile : PL092969.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB164885BS	alpha-BHC	0.5	0.48	ug/L	97				85	130	
	beta-BHC	0.5	0.50	ug/L	100				83	126	
	delta-BHC	0.5	0.43	ug/L	85				69	141	
	gamma-BHC (Lindane)	0.5	0.48	ug/L	95				82	129	
	Heptachlor	0.5	0.48	ug/L	97				79	127	
	Aldrin	0.5	0.48	ug/L	96				79	126	
	Heptachlor epoxide	0.5	0.48	ug/L	96				81	124	
	Endosulfan I	0.5	0.50	ug/L	99				85	122	
	Dieldrin	0.5	0.50	ug/L	99				83	125	
	4,4'-DDE	0.5	0.51	ug/L	102				80	127	
	Endrin	0.5	0.47	ug/L	94				81	128	
	Endosulfan II	0.5	0.48	ug/L	96				82	123	
	4,4'-DDD	0.5	0.53	ug/L	105				77	131	
	Endosulfan sulfate	0.5	0.48	ug/L	96				76	129	
	4,4'-DDT	0.5	0.45	ug/L	89				80	133	
	Methoxychlor	0.5	0.44	ug/L	88				78	108	
	Endrin ketone	0.5	0.49	ug/L	99				80	131	
	Endrin aldehyde	0.5	0.46	ug/L	93				82	127	
	alpha-Chlordane	0.5	0.49	ug/L	99				82	125	
	gamma-Chlordane	0.5	0.50	ug/L	100				82	125	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164885BL

Lab Name: CHEMTECH

Contract: WALS01

Lab Code: CHEM Case No.: P4722

SAS No.: P4722 SDG NO.: P4722

Lab Sample ID: PB164885BL

Lab File ID: PL092968.D

Matrix: (soil/water) WATER

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 11/10/2024

Date Analyzed (1): 11/11/2024

Date Analyzed (2): 11/11/2024

Time Analyzed (1): 19:05

Time Analyzed (2): 19:05

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
PB164885BS	PB164885BS	PL092969.D	11/11/2024	11/11/2024
PB164885TB	PB164885TB	PL092970.D	11/11/2024	11/11/2024
WC-1 (0-6)	P4722-05	PL092974.D	11/11/2024	11/11/2024
WC-2 (0-6)	P4722-10	PL092975.D	11/11/2024	11/11/2024
WC-3 (0-6)	P4722-15	PL092976.D	11/11/2024	11/11/2024
WC-3 (0-6) MS	P4722-15MS	PL092977.D	11/11/2024	11/11/2024
WC-3 (0-6) MSD	P4722-15MSD	PL092978.D	11/11/2024	11/11/2024

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:	PB164885BL		SDG No.:	P4722	
Lab Sample ID:	PB164885BL		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092968.D	1	11/10/24 13:30	11/11/24 19:05	PB164885

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	19.4		43 - 140	97%	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:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	
Client Sample ID:	PB164885BL		SDG No.:	P4722
Lab Sample ID:	PB164885BL		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:	SPLP Pesticide
GPC Factor :	1.0	PH :	Injection Volume :	
Prep Method :	3510C			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092968.D	1	11/10/24 13:30	11/11/24 19:05	PB164885

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:	SPLP Pesticide	
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:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092652.D	1		10/28/24	PL102824

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

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:	11/11/24	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	11/11/24	
Client Sample ID:	PIBLK-PL092959.D		SDG No.:	P4722	
Lab Sample ID:	I.BLK-PL092959.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092959.D	1		11/11/24	PL111124

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	22.2		43 - 140	111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.1		77 - 126	110%	SPK: 20

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	11/11/24	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	11/11/24	
Client Sample ID:	PIBLK-PL092959.D		SDG No.:	P4722	
Lab Sample ID:	I.BLK-PL092959.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092959.D	1		11/11/24	PL111124

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:	11/11/24	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	11/11/24	
Client Sample ID:	PIBLK-PL092971.D		SDG No.:	P4722	
Lab Sample ID:	I.BLK-PL092971.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092971.D	1		11/11/24	PL111124

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	21.6		43 - 140	108%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.7		77 - 126	114%	SPK: 20

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	11/11/24	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	11/11/24	
Client Sample ID:	PIBLK-PL092971.D		SDG No.:	P4722	
Lab Sample ID:	I.BLK-PL092971.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092971.D	1		11/11/24	PL111124

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:	11/12/24	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	11/12/24	
Client Sample ID:	PIBLK-PL092992.D		SDG No.:	P4722	
Lab Sample ID:	I.BLK-PL092992.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092992.D	1		11/12/24	PL111124

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	22.2		43 - 140	111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.8		77 - 126	114%	SPK: 20

Report of Analysis

Client:	Walsh Construction Company II, LLC		Date Collected:	11/12/24	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	11/12/24	
Client Sample ID:	PIBLK-PL092992.D		SDG No.:	P4722	
Lab Sample ID:	I.BLK-PL092992.D		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092992.D	1		11/12/24	PL111124

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:	
Project:	NYCDEP C547A - Shafts 17B-1 & 18B-1 Stage 2		Date Received:	
Client Sample ID:	PB164885BS		SDG No.:	P4722
Lab Sample ID:	PB164885BS		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:	SPLP Pesticide
GPC Factor :	1.0	PH :	Injection Volume :	
Prep Method :	3510C			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092969.D	1	11/10/24 13:30	11/11/24 19:19	PB164885

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.48		0.0061	0.050	ug/L
319-85-7	beta-BHC	0.50		0.014	0.050	ug/L
319-86-8	delta-BHC	0.43		0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.48		0.0049	0.050	ug/L
76-44-8	Heptachlor	0.48		0.0054	0.050	ug/L
309-00-2	Aldrin	0.48		0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.48		0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.50		0.0050	0.050	ug/L
60-57-1	Dieldrin	0.50		0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.51		0.0045	0.050	ug/L
72-20-8	Endrin	0.47		0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.48		0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.53		0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.48		0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.45		0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.44		0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.49		0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.46		0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.49		0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.50		0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.6		43 - 140	88%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.7		77 - 126	94%	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:	PB164885BS		SDG No.:	P4722
Lab Sample ID:	PB164885BS		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:	SPLP Pesticide
GPC Factor :	1.0	PH :	Injection Volume :	
Prep Method :	3510C			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092969.D	1	11/10/24 13:30	11/11/24 19:19	PB164885

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-3(0-6)MS		SDG No.:	P4722	
Lab Sample ID:	P4722-15MS		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092977.D	1	11/10/24 13:30	11/11/24 21:24	PB164885

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.57		0.0061	0.050	ug/L
319-85-7	beta-BHC	0.59		0.014	0.050	ug/L
319-86-8	delta-BHC	0.49		0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.57		0.0049	0.050	ug/L
76-44-8	Heptachlor	0.56		0.0054	0.050	ug/L
309-00-2	Aldrin	0.53		0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.57		0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.58		0.0050	0.050	ug/L
60-57-1	Dieldrin	0.60		0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.57		0.0045	0.050	ug/L
72-20-8	Endrin	0.60		0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.59		0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.63		0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.56		0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.52		0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.51		0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.57		0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.55		0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.58		0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.58		0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.8		43 - 140	79%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.8		77 - 126	109%	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)MS		SDG No.:	P4722	
Lab Sample ID:	P4722-15MS		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092977.D	1	11/10/24 13:30	11/11/24 21:24	PB164885

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

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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

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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:	WC-3(0-6)MSD		SDG No.:	P4722	
Lab Sample ID:	P4722-15MSD		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092978.D	1	11/10/24 13:30	11/11/24 21:37	PB164885

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.56		0.0061	0.050	ug/L
319-85-7	beta-BHC	0.58		0.014	0.050	ug/L
319-86-8	delta-BHC	0.48		0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.56		0.0049	0.050	ug/L
76-44-8	Heptachlor	0.55		0.0054	0.050	ug/L
309-00-2	Aldrin	0.52		0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.56		0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.58		0.0050	0.050	ug/L
60-57-1	Dieldrin	0.59		0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.57		0.0045	0.050	ug/L
72-20-8	Endrin	0.59		0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.58		0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.62		0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.55		0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.51		0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.50		0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.57		0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.54		0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.57		0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.57		0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.6		43 - 140	78%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.7		77 - 126	108%	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)MSD		SDG No.:	P4722	
Lab Sample ID:	P4722-15MSD		Matrix:	WATER	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	SPLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092978.D	1	11/10/24 13:30	11/11/24 21:37	PB164885

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

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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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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit



CALIBRATION SUMMARY

Contract:	<u>WALS01</u>						
Lab Code:	<u>CHEM</u>	Case No.:	<u>P4722</u>	SAS No.:	<u>P4722</u>	SDG NO.:	<u>P4722</u>
Instrument ID:	<u>ECD_L</u>	Calibration Date(s):		<u>10/28/2024</u>	<u>10/28/2024</u>		
		Calibration Times:		<u>14:43</u>	<u>15:36</u>		

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

[illegible]



Contract:	<u>WALS01</u>						
Lab Code:	<u>CHEM</u>	Case No.:	<u>P4722</u>	SAS No.:	<u>P4722</u>	SDG NO.:	<u>P4722</u>
Instrument ID:	<u>ECD_L</u>	Calibration Date(s):		<u>10/28/2024</u>	<u>10/28/2024</u>		
		Calibration Times:		<u>14:43</u>	<u>15:36</u>		

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

[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 =	<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	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: 11/11/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 16:49 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	6.08	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.72	6.71	6.61	6.81	-0.01
Endosulfan sulfate	7.17	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.51	7.50	7.40	7.60	-0.01
Endrin ketone	7.65	7.64	7.54	7.74	-0.01
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.95	5.94	5.84	6.04	-0.01

CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

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

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

Continuing Calib Time: 16:49 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	-0.01
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: 11/11/2024

Lab Sample No.: PSTDCCC050 Data File : PL092960.D Time Analyzed: 16:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.715	6.610	6.810	51.350	50.000	2.7
4,4'-DDE	6.198	6.093	6.293	48.590	50.000	-2.8
4,4'-DDT	7.030	6.923	7.123	42.060	50.000	-15.9
Aldrin	5.263	5.158	5.358	48.090	50.000	-3.8
alpha-BHC	3.999	3.896	4.096	50.510	50.000	1.0
alpha-Chlordane	6.024	5.919	6.119	47.860	50.000	-4.3
beta-BHC	4.530	4.425	4.625	49.560	50.000	-0.9
Decachlorobiphenyl	9.064	8.954	9.154	45.750	50.000	-8.5
delta-BHC	4.777	4.672	4.872	49.810	50.000	-0.4
Dieldrin	6.350	6.245	6.445	47.640	50.000	-4.7
Endosulfan I	6.075	5.970	6.170	47.680	50.000	-4.6
Endosulfan II	6.800	6.694	6.894	45.580	50.000	-8.8
Endosulfan sulfate	7.165	7.058	7.258	45.750	50.000	-8.5
Endrin	6.580	6.474	6.674	43.680	50.000	-12.6
Endrin aldehyde	6.930	6.824	7.024	45.970	50.000	-8.1
Endrin ketone	7.650	7.543	7.743	46.470	50.000	-7.1
gamma-BHC (Lindane)	4.332	4.228	4.428	49.740	50.000	-0.5
gamma-Chlordane	5.946	5.841	6.041	48.110	50.000	-3.8
Heptachlor	4.921	4.817	5.017	46.230	50.000	-7.5
Heptachlor epoxide	5.689	5.584	5.784	48.040	50.000	-3.9
Methoxychlor	7.506	7.399	7.599	41.600	50.000	-16.8
Tetrachloro-m-xylene	3.543	3.440	3.640	50.620	50.000	1.2

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.: CCAL01 Date Analyzed: 11/11/2024

Lab Sample No.: PSTDCCC050 Data File : PL092960.D Time Analyzed: 16:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.792	5.689	5.889	58.220	50.000	16.4
4,4'-DDE	5.236	5.135	5.335	53.580	50.000	7.2
4,4'-DDT	6.042	5.940	6.140	46.650	50.000	-6.7
Aldrin	4.230	4.129	4.329	53.210	50.000	6.4
alpha-BHC	3.281	3.181	3.381	53.410	50.000	6.8
alpha-Chlordane	5.047	4.945	5.145	52.430	50.000	4.9
beta-BHC	3.911	3.810	4.010	52.360	50.000	4.7
Decachlorobiphenyl	7.920	7.816	8.016	47.520	50.000	-5.0
delta-BHC	4.140	4.039	4.239	53.650	50.000	7.3
Dieldrin	5.368	5.266	5.466	53.090	50.000	6.2
Endosulfan I	5.103	5.002	5.202	50.820	50.000	1.6
Endosulfan II	5.938	5.836	6.036	53.070	50.000	6.1
Endosulfan sulfate	6.341	6.238	6.438	52.380	50.000	4.8
Endrin	5.643	5.541	5.741	51.290	50.000	2.6
Endrin aldehyde	6.118	6.015	6.215	51.660	50.000	3.3
Endrin ketone	6.847	6.743	6.943	53.550	50.000	7.1
gamma-BHC (Lindane)	3.611	3.511	3.711	52.740	50.000	5.5
gamma-Chlordane	4.983	4.882	5.082	52.990	50.000	6.0
Heptachlor	3.950	3.849	4.049	49.830	50.000	-0.3
Heptachlor epoxide	4.733	4.632	4.832	52.930	50.000	5.9
Methoxychlor	6.617	6.515	6.715	45.570	50.000	-8.9
Tetrachloro-m-xylene	2.779	2.678	2.878	51.800	50.000	3.6

CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

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

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

Continuing Calib Time: 20:14 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	6.72	6.71	6.61	6.81	-0.01
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	7.51	7.50	7.40	7.60	-0.01
Endrin ketone	7.65	7.64	7.54	7.74	-0.01
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.95	5.94	5.84	6.04	-0.01

CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

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

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

Continuing Calib Time: 20:14 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	-0.01
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: 11/11/2024

Lab Sample No.: PSTDCCC050 Data File : PL092973.D Time Analyzed: 20:14

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.715	6.610	6.810	50.780	50.000	1.6
4,4'-DDE	6.197	6.093	6.293	47.780	50.000	-4.4
4,4'-DDT	7.029	6.923	7.123	41.420	50.000	-17.2
Aldrin	5.262	5.158	5.358	47.210	50.000	-5.6
alpha-BHC	3.999	3.896	4.096	49.140	50.000	-1.7
alpha-Chlordane	6.023	5.919	6.119	46.880	50.000	-6.2
beta-BHC	4.529	4.425	4.625	48.080	50.000	-3.8
Decachlorobiphenyl	9.063	8.954	9.154	43.000	50.000	-14.0
delta-BHC	4.776	4.672	4.872	48.960	50.000	-2.1
Dieldrin	6.349	6.245	6.445	46.620	50.000	-6.8
Endosulfan I	6.074	5.970	6.170	46.400	50.000	-7.2
Endosulfan II	6.798	6.694	6.894	44.940	50.000	-10.1
Endosulfan sulfate	7.164	7.058	7.258	45.660	50.000	-8.7
Endrin	6.579	6.474	6.674	43.010	50.000	-14.0
Endrin aldehyde	6.929	6.824	7.024	46.140	50.000	-7.7
Endrin ketone	7.649	7.543	7.743	45.990	50.000	-8.0
gamma-BHC (Lindane)	4.331	4.228	4.428	48.520	50.000	-3.0
gamma-Chlordane	5.945	5.841	6.041	46.960	50.000	-6.1
Heptachlor	4.920	4.817	5.017	45.380	50.000	-9.2
Heptachlor epoxide	5.688	5.584	5.784	47.490	50.000	-5.0
Methoxychlor	7.505	7.399	7.599	42.350	50.000	-15.3
Tetrachloro-m-xylene	3.542	3.440	3.640	49.410	50.000	-1.2

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.: CCAL02 Date Analyzed: 11/11/2024

Lab Sample No.: PSTDCCC050 Data File : PL092973.D Time Analyzed: 20:14

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.792	5.689	5.889	54.900	50.000	9.8
4,4'-DDE	5.236	5.135	5.335	51.590	50.000	3.2
4,4'-DDT	6.042	5.940	6.140	43.440	50.000	-13.1
Aldrin	4.231	4.129	4.329	51.190	50.000	2.4
alpha-BHC	3.282	3.181	3.381	51.560	50.000	3.1
alpha-Chlordane	5.047	4.945	5.145	50.130	50.000	0.3
beta-BHC	3.912	3.810	4.010	51.180	50.000	2.4
Decachlorobiphenyl	7.920	7.816	8.016	44.340	50.000	-11.3
delta-BHC	4.141	4.039	4.239	52.690	50.000	5.4
Dieldrin	5.368	5.266	5.466	50.660	50.000	1.3
Endosulfan I	5.103	5.002	5.202	47.530	50.000	-4.9
Endosulfan II	5.939	5.836	6.036	49.470	50.000	-1.1
Endosulfan sulfate	6.341	6.238	6.438	49.630	50.000	-0.7
Endrin	5.644	5.541	5.741	48.560	50.000	-2.9
Endrin aldehyde	6.118	6.015	6.215	49.070	50.000	-1.9
Endrin ketone	6.847	6.743	6.943	49.470	50.000	-1.1
gamma-BHC (Lindane)	3.612	3.511	3.711	50.790	50.000	1.6
gamma-Chlordane	4.984	4.882	5.082	50.590	50.000	1.2
Heptachlor	3.951	3.849	4.049	48.630	50.000	-2.7
Heptachlor epoxide	4.734	4.632	4.832	50.070	50.000	0.1
Methoxychlor	6.618	6.515	6.715	43.670	50.000	-12.7
Tetrachloro-m-xylene	2.779	2.678	2.878	50.370	50.000	0.7

CALIBRATION VERIFICATION SUMMARY

Contract: WALS01

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

Continuing Calib Date: 11/12/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 01:06 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: 11/12/2024 Initial Calibration Date(s): 10/28/2024 10/28/2024

Continuing Calib Time: 01:06 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	-0.01
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: 11/12/2024

Lab Sample No.: PSTDCCC050 Data File : PL092993.D Time Analyzed: 01:06

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.714	6.610	6.810	52.020	50.000	4.0
4,4'-DDE	6.196	6.093	6.293	48.260	50.000	-3.5
4,4'-DDT	7.026	6.923	7.123	40.150	50.000	-19.7
Aldrin	5.261	5.158	5.358	47.870	50.000	-4.3
alpha-BHC	3.998	3.896	4.096	50.010	50.000	0.0
alpha-Chlordane	6.023	5.919	6.119	47.060	50.000	-5.9
beta-BHC	4.529	4.425	4.625	48.900	50.000	-2.2
Decachlorobiphenyl	9.062	8.954	9.154	45.740	50.000	-8.5
delta-BHC	4.776	4.672	4.872	49.800	50.000	-0.4
Dieldrin	6.349	6.245	6.445	46.820	50.000	-6.4
Endosulfan I	6.074	5.970	6.170	46.790	50.000	-6.4
Endosulfan II	6.798	6.694	6.894	44.940	50.000	-10.1
Endosulfan sulfate	7.163	7.058	7.258	45.710	50.000	-8.6
Endrin	6.579	6.474	6.674	42.020	50.000	-16.0
Endrin aldehyde	6.928	6.824	7.024	46.730	50.000	-6.5
Endrin ketone	7.648	7.543	7.743	46.830	50.000	-6.3
gamma-BHC (Lindane)	4.331	4.228	4.428	49.360	50.000	-1.3
gamma-Chlordane	5.944	5.841	6.041	47.550	50.000	-4.9
Heptachlor	4.919	4.817	5.017	45.840	50.000	-8.3
Heptachlor epoxide	5.686	5.584	5.784	47.100	50.000	-5.8
Methoxychlor	7.504	7.399	7.599	40.210	50.000	-19.6
Tetrachloro-m-xylene	3.542	3.440	3.640	50.220	50.000	0.4

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: 11/12/2024

Lab Sample No.: PSTDCCC050 Data File : PL092993.D Time Analyzed: 01:06

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.791	5.689	5.889	58.750	50.000	17.5
4,4'-DDE	5.236	5.135	5.335	53.480	50.000	7.0
4,4'-DDT	6.041	5.940	6.140	42.540	50.000	-14.9
Aldrin	4.230	4.129	4.329	52.710	50.000	5.4
alpha-BHC	3.281	3.181	3.381	52.910	50.000	5.8
alpha-Chlordane	5.047	4.945	5.145	51.740	50.000	3.5
beta-BHC	3.911	3.810	4.010	52.210	50.000	4.4
Decachlorobiphenyl	7.920	7.816	8.016	46.990	50.000	-6.0
delta-BHC	4.140	4.039	4.239	53.560	50.000	7.1
Dieldrin	5.367	5.266	5.466	52.490	50.000	5.0
Endosulfan I	5.102	5.002	5.202	47.690	50.000	-4.6
Endosulfan II	5.938	5.836	6.036	51.660	50.000	3.3
Endosulfan sulfate	6.340	6.238	6.438	51.580	50.000	3.2
Endrin	5.643	5.541	5.741	48.620	50.000	-2.8
Endrin aldehyde	6.117	6.015	6.215	51.550	50.000	3.1
Endrin ketone	6.846	6.743	6.943	52.610	50.000	5.2
gamma-BHC (Lindane)	3.611	3.511	3.711	52.480	50.000	5.0
gamma-Chlordane	4.983	4.882	5.082	52.130	50.000	4.3
Heptachlor	3.950	3.849	4.049	49.220	50.000	-1.6
Heptachlor epoxide	4.733	4.632	4.832	51.790	50.000	3.6
Methoxychlor	6.617	6.515	6.715	42.960	50.000	-14.1
Tetrachloro-m-xylene	2.778	2.678	2.878	51.720	50.000	3.4

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 - PL092942.D Date Analyzed: 11/11/2024

Lab Sample No.(PEM): PEM Time Analyzed: 09:49

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.061	8.960	9.160	20.400	20.000	2.0
Tetrachloro-m-xylene	3.542	3.490	3.590	22.810	20.000	14.1
alpha-BHC	3.998	3.950	4.050	11.770	10.000	17.7
beta-BHC	4.529	4.480	4.580	12.130	10.000	21.3
gamma-BHC (Lindane)	4.331	4.280	4.380	11.570	10.000	15.7
Endrin	6.578	6.510	6.650	42.290	50.000	-15.4
4,4'-DDT	7.028	6.960	7.100	86.420	100.000	-13.6
Methoxychlor	7.504	7.430	7.570	198.890	250.000	-20.4

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

Client Sample No. (PEM): PEM - PL092942.D Date Analyzed: 11/11/2024

Lab Sample No.(PEM): PEM Time Analyzed: 09:49

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.918	7.820	8.020	19.450	20.000	-2.8
Tetrachloro-m-xylene	2.778	2.730	2.830	22.330	20.000	11.7
alpha-BHC	3.280	3.230	3.330	10.690	10.000	6.9
beta-BHC	3.911	3.860	3.960	11.740	10.000	17.4
gamma-BHC (Lindane)	3.611	3.560	3.660	10.280	10.000	2.8
Endrin	5.643	5.570	5.710	50.510	50.000	1.0
4,4'-DDT	6.041	5.970	6.110	105.500	100.000	5.5
Methoxychlor	6.616	6.550	6.690	225.180	250.000	-9.9

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 - PL092972.D Date Analyzed: 11/11/2024

Lab Sample No.(PEM): PEM Time Analyzed: 20:00

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.062	8.960	9.160	20.460	20.000	2.3
Tetrachloro-m-xylene	3.542	3.490	3.590	22.530	20.000	12.7
alpha-BHC	3.998	3.950	4.050	11.450	10.000	14.5
beta-BHC	4.529	4.480	4.580	11.720	10.000	17.2
gamma-BHC (Lindane)	4.331	4.280	4.380	11.150	10.000	11.5
Endrin	6.579	6.510	6.650	41.830	50.000	-16.3
4,4'-DDT	7.029	6.960	7.100	82.830	100.000	-17.2
Methoxychlor	7.506	7.440	7.580	196.860	250.000	-21.3

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

Client Sample No. (PEM): PEM - PL092972.D Date Analyzed: 11/11/2024

Lab Sample No.(PEM): PEM Time Analyzed: 20:00

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.920	7.820	8.020	19.420	20.000	-2.9
Tetrachloro-m-xylene	2.779	2.730	2.830	21.700	20.000	8.5
alpha-BHC	3.282	3.230	3.330	10.340	10.000	3.4
beta-BHC	3.912	3.860	3.960	11.670	10.000	16.7
gamma-BHC (Lindane)	3.612	3.560	3.660	9.880	10.000	-1.2
Endrin	5.644	5.570	5.710	48.440	50.000	-3.1
4,4'-DDT	6.042	5.970	6.110	95.830	100.000	-4.2
Methoxychlor	6.618	6.550	6.690	221.160	250.000	-11.5

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
PEM	PEM	11/11/2024	09:49	PL092942.D	9.06	3.54
IBLK	IBLK	11/11/2024	16:35	PL092959.D	9.07	3.55
PSTDCCC050	PSTDCCC050	11/11/2024	16:49	PL092960.D	9.06	3.54
PB164885BL	PB164885BL	11/11/2024	19:05	PL092968.D	9.06	3.54
PB164885BS	PB164885BS	11/11/2024	19:19	PL092969.D	9.06	3.54
PB164885TB	PB164885TB	11/11/2024	19:33	PL092970.D	9.06	3.54
IBLK	IBLK	11/11/2024	19:46	PL092971.D	9.06	3.54
PEM	PEM	11/11/2024	20:00	PL092972.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/11/2024	20:14	PL092973.D	9.06	3.54
WC-1(0-6)	P4722-05	11/11/2024	20:42	PL092974.D	9.06	3.54
WC-2(0-6)	P4722-10	11/11/2024	20:56	PL092975.D	9.06	3.54
WC-3(0-6)	P4722-15	11/11/2024	21:10	PL092976.D	9.06	3.54
WC-3(0-6)MS	P4722-15MS	11/11/2024	21:24	PL092977.D	9.06	3.54
WC-3(0-6)MSD	P4722-15MSD	11/11/2024	21:37	PL092978.D	9.06	3.54
IBLK	IBLK	11/12/2024	00:52	PL092992.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/12/2024	01:06	PL092993.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
PEM	PEM	11/11/2024	09:49	PL092942.D	7.92	2.78
IBLK	IBLK	11/11/2024	16:35	PL092959.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/11/2024	16:49	PL092960.D	7.92	2.78
PB164885BL	PB164885BL	11/11/2024	19:05	PL092968.D	7.92	2.78
PB164885BS	PB164885BS	11/11/2024	19:19	PL092969.D	7.92	2.78
PB164885TB	PB164885TB	11/11/2024	19:33	PL092970.D	7.92	2.78
IBLK	IBLK	11/11/2024	19:46	PL092971.D	7.92	2.78
PEM	PEM	11/11/2024	20:00	PL092972.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/11/2024	20:14	PL092973.D	7.92	2.78
WC-1(0-6)	P4722-05	11/11/2024	20:42	PL092974.D	7.92	2.78
WC-2(0-6)	P4722-10	11/11/2024	20:56	PL092975.D	7.92	2.78
WC-3(0-6)	P4722-15	11/11/2024	21:10	PL092976.D	7.92	2.78
WC-3(0-6)MS	P4722-15MS	11/11/2024	21:24	PL092977.D	7.92	2.78
WC-3(0-6)MSD	P4722-15MSD	11/11/2024	21:37	PL092978.D	7.92	2.78
IBLK	IBLK	11/12/2024	00:52	PL092992.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/12/2024	01:06	PL092993.D	7.92	2.78

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164885BS

Contract: WALS01

Lab Code: CHEM

Case No.: P4722

SAS No.: P4722

SDG NO.: P4722

Lab Sample ID: PB164885BS

Date(s) Analyzed: 11/11/2024

11/11/2024

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	0.45	5.7
	2	5.94	5.89	5.99	0.48	
4,4'-DDD	1	6.71	6.66	6.76	0.50	4.8
	2	5.79	5.74	5.84	0.53	
4,4'-DDT	1	7.03	6.98	7.08	0.45	1.9
	2	6.04	5.99	6.09	0.44	
Endrin aldehyde	1	6.93	6.88	6.98	0.45	2.4
	2	6.12	6.07	6.17	0.46	
Endosulfan sulfate	1	7.16	7.11	7.21	0.44	8.4
	2	6.34	6.29	6.39	0.48	
Methoxychlor	1	7.50	7.45	7.55	0.42	4.4
	2	6.62	6.57	6.67	0.44	
Endrin ketone	1	7.65	7.60	7.70	0.46	7
	2	6.85	6.80	6.90	0.49	
alpha-BHC	1	4.00	3.95	4.05	0.47	4
	2	3.28	3.23	3.33	0.48	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.46	4.3
	2	3.61	3.56	3.66	0.48	
Heptachlor	1	4.92	4.87	4.97	0.45	6
	2	3.95	3.90	4.00	0.48	
Aldrin	1	5.26	5.21	5.31	0.44	7.9
	2	4.23	4.18	4.28	0.48	
beta-BHC	1	4.53	4.48	4.58	0.47	5.6
	2	3.91	3.86	3.96	0.50	
delta-BHC	1	4.78	4.73	4.83	0.41	3.9
	2	4.14	4.09	4.19	0.43	
Heptachlor epoxide	1	5.69	5.64	5.74	0.43	10.6
	2	4.73	4.68	4.78	0.48	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164885BS

Contract: WALS01

Lab Code: CHEM

Case No.: P4722

SAS No.: P4722

SDG NO.: P4722

Lab Sample ID: PB164885BS

Date(s) Analyzed: 11/11/2024

11/11/2024

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	0.46	8.4
	2	5.10	5.05	5.15	0.50	
gamma-Chlordane	1	5.94	5.89	5.99	0.47	6.6
	2	4.98	4.93	5.03	0.50	
alpha-Chlordane	1	6.02	5.97	6.07	0.46	6.7
	2	5.05	5.00	5.10	0.49	
4,4'-DDE	1	6.20	6.15	6.25	0.48	6.2
	2	5.24	5.19	5.29	0.51	
Dieldrin	1	6.35	6.30	6.40	0.46	7.3
	2	5.37	5.32	5.42	0.50	
Endrin	1	6.58	6.53	6.63	0.41	13.2
	2	5.64	5.59	5.69	0.47	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-3(0-6)MS

Contract: WALS01

Lab Code: CHEM

Case No.: P4722

SAS No.: P4722

SDG NO.: P4722

Lab Sample ID: P4722-15MS

Date(s) Analyzed: 11/11/2024

11/11/2024

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	0.52	13.9
	2	5.94	5.89	5.99	0.59	
4,4'-DDD	1	6.71	6.66	6.76	0.57	10.5
	2	5.79	5.74	5.84	0.63	
4,4'-DDT	1	7.03	6.98	7.08	0.50	4.9
	2	6.04	5.99	6.09	0.52	
Endrin aldehyde	1	6.93	6.88	6.98	0.50	8.6
	2	6.12	6.07	6.17	0.55	
Endosulfan sulfate	1	7.16	7.11	7.21	0.50	11.7
	2	6.34	6.29	6.39	0.56	
Methoxychlor	1	7.50	7.45	7.55	0.48	5.1
	2	6.62	6.57	6.67	0.51	
Endrin ketone	1	7.65	7.60	7.70	0.52	10.3
	2	6.85	6.80	6.90	0.57	
alpha-BHC	1	4.00	3.95	4.05	0.54	5.1
	2	3.28	3.23	3.33	0.57	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.56	2.3
	2	3.61	3.56	3.66	0.57	
Heptachlor	1	4.92	4.87	4.97	0.51	9.5
	2	3.95	3.90	4.00	0.56	
Aldrin	1	5.26	5.21	5.31	0.49	8.4
	2	4.23	4.18	4.28	0.53	
beta-BHC	1	4.53	4.48	4.58	0.55	7.1
	2	3.91	3.86	3.96	0.59	
delta-BHC	1	4.78	4.73	4.83	0.48	0.9
	2	4.14	4.09	4.19	0.49	
Heptachlor epoxide	1	5.69	5.64	5.74	0.52	8.9
	2	4.73	4.68	4.78	0.57	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-3(0-6)MS

Contract: WALS01

Lab Code: CHEM

Case No.: P4722

SAS No.: P4722

SDG NO.: P4722

Lab Sample ID: P4722-15MS

Date(s) Analyzed: 11/11/2024

11/11/2024

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	0.53	9.4
	2	5.10	5.05	5.15	0.58	
gamma-Chlordane	1	5.94	5.89	5.99	0.53	9.5
	2	4.98	4.93	5.03	0.58	
alpha-Chlordane	1	6.02	5.97	6.07	0.52	9.4
	2	5.05	5.00	5.10	0.58	
4,4'-DDE	1	6.20	6.15	6.25	0.51	10.4
	2	5.24	5.19	5.29	0.57	
Dieldrin	1	6.35	6.30	6.40	0.53	11.3
	2	5.37	5.32	5.42	0.60	
Endrin	1	6.58	6.53	6.63	0.50	17.5
	2	5.64	5.59	5.69	0.60	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-3(0-6)MSD

Contract: WALS01

Lab Code: CHEM

Case No.: P4722

SAS No.: P4722

SDG NO.: P4722

Lab Sample ID: P4722-15MSD

Date(s) Analyzed: 11/11/2024

11/11/2024

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	0.51	14.1
	2	5.94	5.89	5.99	0.58	
4,4'-DDD	1	6.72	6.67	6.77	0.56	10
	2	5.79	5.74	5.84	0.62	
4,4'-DDT	1	7.03	6.98	7.08	0.49	5.2
	2	6.04	5.99	6.09	0.51	
Endrin aldehyde	1	6.93	6.88	6.98	0.50	7.8
	2	6.12	6.07	6.17	0.54	
Endosulfan sulfate	1	7.16	7.11	7.21	0.49	11.5
	2	6.34	6.29	6.39	0.55	
Methoxychlor	1	7.51	7.46	7.56	0.48	4.8
	2	6.62	6.57	6.67	0.50	
Endrin ketone	1	7.65	7.60	7.70	0.51	10.1
	2	6.85	6.80	6.90	0.57	
alpha-BHC	1	4.00	3.95	4.05	0.54	4.8
	2	3.28	3.23	3.33	0.56	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.53	6.4
	2	3.61	3.56	3.66	0.56	
Heptachlor	1	4.92	4.87	4.97	0.50	9.6
	2	3.95	3.90	4.00	0.55	
Aldrin	1	5.26	5.21	5.31	0.48	8.3
	2	4.23	4.18	4.28	0.52	
beta-BHC	1	4.53	4.48	4.58	0.55	6.9
	2	3.91	3.86	3.96	0.58	
delta-BHC	1	4.78	4.73	4.83	0.48	0
	2	4.14	4.09	4.19	0.48	
Heptachlor epoxide	1	5.69	5.64	5.74	0.51	9.2
	2	4.73	4.68	4.78	0.56	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-3(0-6)MSD

Contract: WALS01

Lab Code: CHEM

Case No.: P4722

SAS No.: P4722

SDG NO.: P4722

Lab Sample ID: P4722-15MSD

Date(s) Analyzed: 11/11/2024

11/11/2024

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	0.52	9.9
	2	5.10	5.05	5.15	0.58	
gamma-Chlordane	1	5.94	5.89	5.99	0.52	9.1
	2	4.98	4.93	5.03	0.57	
alpha-Chlordane	1	6.02	5.97	6.07	0.52	10.2
	2	5.05	5.00	5.10	0.57	
4,4'-DDE	1	6.20	6.15	6.25	0.51	10.7
	2	5.24	5.19	5.29	0.57	
Dieldrin	1	6.35	6.30	6.40	0.52	11.4
	2	5.37	5.32	5.42	0.59	
Endrin	1	6.58	6.53	6.63	0.50	17.5
	2	5.64	5.59	5.69	0.59	