

LAB CHRONICLE

OrderID:	Q1485	OrderDate:	3/4/2025 3:32:00 PM
Client:	JPCL Engineering	Project:	NYSDOT Two Bronx River Parkway Bridges
Contact:	Paul Rotondi	Location:	H31,I11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1485-01	DN-B-41	SOIL			03/04/25			03/04/25
			PCB	8082A		03/05/25	03/05/25	
			Pesticide-TCL	8081B		03/05/25	03/05/25	



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: Q1485

Order ID: Q1485

Client: JPCL Engineering

Project ID: NYSDOT Two Bronx River Parkway I

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :				Total Concentration:	0.000			



SAMPLE DATA

Report of Analysis

Client:	JPCL Engineering	Date Collected:	03/04/25
Project:	NYSDOT Two Bronx River Parkway Bridges	Date Received:	03/04/25
Client Sample ID:	DN-B-41	SDG No.:	Q1485
Lab Sample ID:	Q1485-01	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	83.1
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094515.D	1	03/05/25 09:10	03/05/25 18:40	PB166986

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	2.00	U	0.22	2.00	ug/kg
319-85-7	beta-BHC	2.00	U	0.59	2.00	ug/kg
319-86-8	delta-BHC	2.00	U	0.56	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	2.00	U	0.23	2.00	ug/kg
76-44-8	Heptachlor	2.00	U	0.20	2.00	ug/kg
309-00-2	Aldrin	2.00	U	0.17	2.00	ug/kg
1024-57-3	Heptachlor epoxide	2.00	U	0.28	2.00	ug/kg
959-98-8	Endosulfan I	2.00	U	0.20	2.00	ug/kg
60-57-1	Dieldrin	2.00	U	0.18	2.00	ug/kg
72-55-9	4,4-DDE	2.00	U	0.16	2.00	ug/kg
72-20-8	Endrin	2.00	U	0.19	2.00	ug/kg
33213-65-9	Endosulfan II	2.00	U	0.36	2.00	ug/kg
72-54-8	4,4-DDD	2.00	U	0.23	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	2.00	U	0.16	2.00	ug/kg
50-29-3	4,4-DDT	2.00	U	0.20	2.00	ug/kg
72-43-5	Methoxychlor	2.00	U	0.46	2.00	ug/kg
53494-70-5	Endrin ketone	2.00	U	0.26	2.00	ug/kg
7421-93-4	Endrin aldehyde	2.00	U	0.47	2.00	ug/kg
5103-71-9	alpha-Chlordane	2.00	U	0.20	2.00	ug/kg
5103-74-2	gamma-Chlordane	2.00	U	0.23	2.00	ug/kg
8001-35-2	Toxaphene	39.7	U	6.30	39.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.4		20 - 144	107%	SPK: 20
877-09-8	Tetrachloro-m-xylene	27.3		19 - 148	137%	SPK: 20

Report of Analysis

Client:	JPCL Engineering		Date Collected:	03/04/25	
Project:	NYSDOT Two Bronx River Parkway Bridges		Date Received:	03/04/25	
Client Sample ID:	DN-B-41		SDG No.:	Q1485	
Lab Sample ID:	Q1485-01		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	83.1	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094515.D	1	03/05/25 09:10	03/05/25 18:40	PB166986

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



QC SUMMARY

Surrogate Summary

SDG No.: **Q1485**

Client: **JPCL Engineering**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PL094323.D	PIBLK-PL094323.D	Decachlorobiphenyl	1	20	24.7	123		43	140
		Tetrachloro-m-xylene	1	20	23.3	116		77	126
		Decachlorobiphenyl	2	20	23.6	118		43	140
		Tetrachloro-m-xylene	2	20	22.8	114		77	126
I.BLK-PL094497.D	PIBLK-PL094497.D	Decachlorobiphenyl	1	20	22.5	113		43	140
		Tetrachloro-m-xylene	1	20	22.8	114		77	126
		Decachlorobiphenyl	2	20	21.1	106		43	140
		Tetrachloro-m-xylene	2	20	21.8	109		77	126
PB166986BL	PB166986BL	Decachlorobiphenyl	1	20	25.1	126		20	144
		Tetrachloro-m-xylene	1	20	22.3	111		19	148
		Decachlorobiphenyl	2	20	23.4	117		20	144
		Tetrachloro-m-xylene	2	20	21.5	108		19	148
PB166986BS	PB166986BS	Decachlorobiphenyl	1	20	22.9	114		20	144
		Tetrachloro-m-xylene	1	20	21.6	108		19	148
		Decachlorobiphenyl	2	20	21.6	108		20	144
		Tetrachloro-m-xylene	2	20	19.7	99		19	148
I.BLK-PL094510.D	PIBLK-PL094510.D	Decachlorobiphenyl	1	20	22.3	112		43	140
		Tetrachloro-m-xylene	1	20	22.5	112		77	126
		Decachlorobiphenyl	2	20	21.9	110		43	140
		Tetrachloro-m-xylene	2	20	21.9	109		77	126
Q1485-01	DN-B-41	Decachlorobiphenyl	1	20	21.4	107		20	144
		Tetrachloro-m-xylene	1	20	26.9	134		19	148
		Decachlorobiphenyl	2	20	17.1	86		20	144
		Tetrachloro-m-xylene	2	20	27.3	137		19	148
Q1485-01MS	DN-B-41MS	Decachlorobiphenyl	1	20	21.8	109		20	144
		Tetrachloro-m-xylene	1	20	26.0	130		19	148
		Decachlorobiphenyl	2	20	18.4	92		20	144
		Tetrachloro-m-xylene	2	20	25.3	126		19	148
Q1485-01MSD	DN-B-41MSD	Decachlorobiphenyl	1	20	22.2	111		20	144
		Tetrachloro-m-xylene	1	20	25.8	129		19	148
		Decachlorobiphenyl	2	20	18.4	92		20	144
		Tetrachloro-m-xylene	2	20	24.9	124		19	148
I.BLK-PL094520.D	PIBLK-PL094520.D	Decachlorobiphenyl	1	20	21.9	110		43	140
		Tetrachloro-m-xylene	1	20	22.9	115		77	126
		Decachlorobiphenyl	2	20	19.2	96		43	140
		Tetrachloro-m-xylene	2	20	22.5	113		77	126

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1485

Client: JPCL Engineering

Analytical Method: 8081B

DataFile : PL094516.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q1485-01MS	DN-B-41MS											
	alpha-BHC	20.01	0	20.5	ug/kg	102				60	144	
	beta-BHC	20.01	0	21.2	ug/kg	106				54	143	
	delta-BHC	20.01	0	20.8	ug/kg	104				29	151	
	gamma-BHC (Lindane)	20.01	0	20.4	ug/kg	102				61	140	
	Heptachlor	20.01	0	21.4	ug/kg	107				63	135	
	Aldrin	20.01	0	20.3	ug/kg	101				49	139	
	Heptachlor epoxide	20.01	0	20.7	ug/kg	103				41	156	
	Endosulfan I	20.01	0	21.2	ug/kg	106				56	142	
	Dieldrin	20.01	0	21.3	ug/kg	106				47	161	
	4,4'-DDE	20.01	0	21.1	ug/kg	105				55	136	
	Endrin	20.01	0	24.9	ug/kg	124				57	139	
	Endosulfan II	20.01	0	21.6	ug/kg	108				40	163	
	4,4'-DDD	20.01	0	23.6	ug/kg	118				47	163	
	Endosulfan sulfate	20.01	0	22.2	ug/kg	111				62	139	
	4,4'-DDT	20.01	0	21.4	ug/kg	107				51	146	
	Methoxychlor	20.01	0	23.3	ug/kg	116				54	136	
	Endrin ketone	20.01	0	20.0	ug/kg	100				60	129	
	Endrin aldehyde	20.01	0	20.1	ug/kg	100				59	132	
	alpha-Chlordane	20.01	0	21.2	ug/kg	106				39	166	
	gamma-Chlordane	20.01	0	21.2	ug/kg	106				44	175	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1485

Client: JPCL Engineering

Analytical Method: 8081B

DataFile : PL094517.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q1485-01MSD	DN-B-41MSD											
	alpha-BHC	20	0	20.2	ug/kg	101		1		60	144	20
	beta-BHC	20	0	21.0	ug/kg	105		1		54	143	20
	delta-BHC	20	0	20.6	ug/kg	103		1		29	151	20
	gamma-BHC (Lindane)	20	0	20.1	ug/kg	101		1		61	140	20
	Heptachlor	20	0	21.0	ug/kg	105		2		63	135	20
	Aldrin	20	0	20.2	ug/kg	101		0		49	139	20
	Heptachlor epoxide	20	0	20.7	ug/kg	104		1		41	156	20
	Endosulfan I	20	0	20.9	ug/kg	104		2		56	142	20
	Dieldrin	20	0	21.2	ug/kg	106		0		47	161	20
	4,4'-DDE	20	0	21.1	ug/kg	106		1		55	136	20
	Endrin	20	0	24.4	ug/kg	122		2		57	139	20
	Endosulfan II	20	0	21.4	ug/kg	107		1		40	163	20
	4,4'-DDD	20	0	24.0	ug/kg	120		2		47	163	20
	Endosulfan sulfate	20	0	22.1	ug/kg	111		0		62	139	20
	4,4'-DDT	20	0	21.6	ug/kg	108		1		51	146	20
	Methoxychlor	20	0	23.5	ug/kg	117		1		54	136	20
	Endrin ketone	20	0	20.3	ug/kg	102		2		60	129	20
	Endrin aldehyde	20	0	20.6	ug/kg	103		3		59	132	20
	alpha-Chlordane	20	0	21.1	ug/kg	106		0		39	166	20
	gamma-Chlordane	20	0	21.2	ug/kg	106		0		44	175	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1485

Client: JPCL Engineering

Analytical Method: **8081B** Datafile : PL094501.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB166986BS	alpha-BHC	16.66	17.1	ug/kg	103				84	123	
	beta-BHC	16.66	17.6	ug/kg	106				82	123	
	delta-BHC	16.66	17.4	ug/kg	104				83	126	
	gamma-BHC (Lindane)	16.66	16.9	ug/kg	101				83	125	
	Heptachlor	16.66	18.1	ug/kg	109				83	122	
	Aldrin	16.66	17.2	ug/kg	103				82	124	
	Heptachlor epoxide	16.66	17.9	ug/kg	107				83	120	
	Endosulfan I	16.66	18.0	ug/kg	108				81	124	
	Dieldrin	16.66	18.1	ug/kg	109				85	121	
	4,4'-DDE	16.66	19.0	ug/kg	114				81	123	
	Endrin	16.66	20.8	ug/kg	125				76	130	
	Endosulfan II	16.66	19.1	ug/kg	115				80	125	
	4,4'-DDD	16.66	20.3	ug/kg	122				80	131	
	Endosulfan sulfate	16.66	18.5	ug/kg	111				81	122	
	4,4'-DDT	16.66	19.4	ug/kg	116				70	129	
	Methoxychlor	16.66	18.6	ug/kg	112				60	119	
	Endrin ketone	16.66	19.2	ug/kg	115				77	132	
	Endrin aldehyde	16.66	17.6	ug/kg	106				79	124	
	alpha-Chlordane	16.66	18.3	ug/kg	110				84	120	
	gamma-Chlordane	16.66	18.2	ug/kg	109				83	122	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166986BL

Lab Name: CHEMTECH

Contract: JPCL01

Lab Code: CHEM Case No.: Q1485

SAS No.: Q1485 SDG NO.: Q1485

Lab Sample ID: PB166986BL

Lab File ID: PL094500.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 03/05/2025

Date Analyzed (1): 03/05/2025

Date Analyzed (2): 03/05/2025

Time Analyzed (1): 14:46

Time Analyzed (2): 14:46

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB166986BS	PB166986BS	PL094501.D	03/05/2025	03/05/2025
DN-B-41	Q1485-01	PL094515.D	03/05/2025	03/05/2025
DN-B-41MS	Q1485-01MS	PL094516.D	03/05/2025	03/05/2025
DN-B-41MSD	Q1485-01MSD	PL094517.D	03/05/2025	03/05/2025

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	JPCL Engineering		Date Collected:		
Project:	NYSDOT Two Bronx River Parkway Bridges		Date Received:		
Client Sample ID:	PB166986BL		SDG No.:	Q1485	
Lab Sample ID:	PB166986BL		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	100	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094500.D	1	03/05/25 09:10	03/05/25 14:46	PB166986

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	1.70	U	0.18	1.70	ug/kg
319-85-7	beta-BHC	1.70	U	0.49	1.70	ug/kg
319-86-8	delta-BHC	1.70	U	0.47	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	1.70	U	0.19	1.70	ug/kg
76-44-8	Heptachlor	1.70	U	0.17	1.70	ug/kg
309-00-2	Aldrin	1.70	U	0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	1.70	U	0.23	1.70	ug/kg
959-98-8	Endosulfan I	1.70	U	0.17	1.70	ug/kg
60-57-1	Dieldrin	1.70	U	0.15	1.70	ug/kg
72-55-9	4,4-DDE	1.70	U	0.13	1.70	ug/kg
72-20-8	Endrin	1.70	U	0.16	1.70	ug/kg
33213-65-9	Endosulfan II	1.70	U	0.30	1.70	ug/kg
72-54-8	4,4-DDD	1.70	U	0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	1.70	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	1.70	U	0.17	1.70	ug/kg
72-43-5	Methoxychlor	1.70	U	0.38	1.70	ug/kg
53494-70-5	Endrin ketone	1.70	U	0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	1.70	U	0.39	1.70	ug/kg
5103-71-9	alpha-Chlordane	1.70	U	0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	1.70	U	0.19	1.70	ug/kg
8001-35-2	Toxaphene	33.0	U	5.20	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	25.1		20 - 144	126%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.3		19 - 148	111%	SPK: 20

Report of Analysis

Client:	JPCL Engineering		Date Collected:		
Project:	NYSDOT Two Bronx River Parkway Bridges		Date Received:		
Client Sample ID:	PB166986BL		SDG No.:	Q1485	
Lab Sample ID:	PB166986BL		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	100	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094500.D	1	03/05/25 09:10	03/05/25 14:46	PB166986

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:	JPCL Engineering	Date Collected:	02/21/25
Project:	NYSDOT Two Bronx River Parkway Bridges	Date Received:	02/21/25
Client Sample ID:	PIBLK-PL094323.D	SDG No.:	Q1485
Lab Sample ID:	I.BLK-PL094323.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
PL094323.D	1		02/21/25	pl022125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.050	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.050	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.050	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.050	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.050	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.050	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.050	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.050	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.050	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.050	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.050	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.050	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.050	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.050	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	24.7		43 - 140	123%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.3		77 - 126	116%	SPK: 20

Report of Analysis

Client:	JPCL Engineering	Date Collected:	02/21/25
Project:	NYSDOT Two Bronx River Parkway Bridges	Date Received:	02/21/25
Client Sample ID:	PIBLK-PL094323.D	SDG No.:	Q1485
Lab Sample ID:	I.BLK-PL094323.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	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094323.D	1		02/21/25	p1022125

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:	JPCL Engineering	Date Collected:	03/05/25
Project:	NYSDOT Two Bronx River Parkway Bridges	Date Received:	03/05/25
Client Sample ID:	PIBLK-PL094497.D	SDG No.:	Q1485
Lab Sample ID:	I.BLK-PL094497.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
PL094497.D	1		03/05/25	PL030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.050	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.050	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.050	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.050	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.050	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.050	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.050	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.050	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.050	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.050	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.050	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.050	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.050	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.050	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.5		43 - 140	113%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.8		77 - 126	114%	SPK: 20

Report of Analysis

Client:	JPCL Engineering	Date Collected:	03/05/25
Project:	NYSDOT Two Bronx River Parkway Bridges	Date Received:	03/05/25
Client Sample ID:	PIBLK-PL094497.D	SDG No.:	Q1485
Lab Sample ID:	I.BLK-PL094497.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
PL094497.D	1		03/05/25	PL030525

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

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LOD = Limit of Detection

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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

Report of Analysis

Client:	JPCL Engineering	Date Collected:	03/05/25
Project:	NYSDOT Two Bronx River Parkway Bridges	Date Received:	03/05/25
Client Sample ID:	PIBLK-PL094510.D	SDG No.:	Q1485
Lab Sample ID:	I.BLK-PL094510.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
PL094510.D	1		03/05/25	PL030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.050	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.050	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.050	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.050	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.050	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.050	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.050	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.050	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.050	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.050	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.050	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.050	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.050	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.050	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.3		43 - 140	112%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.5		77 - 126	112%	SPK: 20

Report of Analysis

Client:	JPCL Engineering	Date Collected:	03/05/25
Project:	NYSDOT Two Bronx River Parkway Bridges	Date Received:	03/05/25
Client Sample ID:	PIBLK-PL094510.D	SDG No.:	Q1485
Lab Sample ID:	I.BLK-PL094510.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	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094510.D	1		03/05/25	PL030525

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

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() = Laboratory InHouse Limit

Report of Analysis

Client:	JPCL Engineering	Date Collected:	03/05/25
Project:	NYSDOT Two Bronx River Parkway Bridges	Date Received:	03/05/25
Client Sample ID:	PIBLK-PL094520.D	SDG No.:	Q1485
Lab Sample ID:	I.BLK-PL094520.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
PL094520.D	1		03/05/25	PL030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.050	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.050	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.050	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.050	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.050	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.050	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.050	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.050	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.050	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.050	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.050	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.050	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.050	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.050	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.9		43 - 140	110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.9		77 - 126	115%	SPK: 20

Report of Analysis

Client:	JPCL Engineering	Date Collected:	03/05/25
Project:	NYSDOT Two Bronx River Parkway Bridges	Date Received:	03/05/25
Client Sample ID:	PIBLK-PL094520.D	SDG No.:	Q1485
Lab Sample ID:	I.BLK-PL094520.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	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094520.D	1		03/05/25	PL030525

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

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() = Laboratory InHouse Limit

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NYSDOT Two Bronx River Parkway Bridges	Date Received:	
Client Sample ID:	PB166986BS	SDG No.:	Q1485
Lab Sample ID:	PB166986BS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
PH :			
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094501.D	1	03/05/25 09:10	03/05/25 14:59	PB166986

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	17.1		0.18	1.70	ug/kg
319-85-7	beta-BHC	17.6		0.49	1.70	ug/kg
319-86-8	delta-BHC	17.4		0.47	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	16.9		0.19	1.70	ug/kg
76-44-8	Heptachlor	18.1		0.17	1.70	ug/kg
309-00-2	Aldrin	17.2		0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	17.9		0.23	1.70	ug/kg
959-98-8	Endosulfan I	18.0		0.17	1.70	ug/kg
60-57-1	Dieldrin	18.1		0.15	1.70	ug/kg
72-55-9	4,4-DDE	19.0		0.13	1.70	ug/kg
72-20-8	Endrin	20.8		0.16	1.70	ug/kg
33213-65-9	Endosulfan II	19.1		0.30	1.70	ug/kg
72-54-8	4,4-DDD	20.3		0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	18.5		0.13	1.70	ug/kg
50-29-3	4,4-DDT	19.4		0.17	1.70	ug/kg
72-43-5	Methoxychlor	18.6		0.38	1.70	ug/kg
53494-70-5	Endrin ketone	19.2		0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	17.6		0.39	1.70	ug/kg
5103-71-9	alpha-Chlordane	18.3		0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	18.2		0.19	1.70	ug/kg
8001-35-2	Toxaphene	33.0	U	5.20	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.9		20 - 144	114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		19 - 148	108%	SPK: 20

Report of Analysis

Client:	JPCL Engineering	Date Collected:	
Project:	NYSDOT Two Bronx River Parkway Bridges	Date Received:	
Client Sample ID:	PB166986BS	SDG No.:	Q1485
Lab Sample ID:	PB166986BS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
PH :			
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094501.D	1	03/05/25 09:10	03/05/25 14:59	PB166986

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

U = Not Detected

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MDL = Method Detection Limit

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() = Laboratory InHouse Limit

Report of Analysis

Client:	JPCL Engineering	Date Collected:	03/04/25
Project:	NYSDOT Two Bronx River Parkway Bridges	Date Received:	03/04/25
Client Sample ID:	DN-B-41MS	SDG No.:	Q1485
Lab Sample ID:	Q1485-01MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	83.1
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
PL094516.D	1	03/05/25 09:10	03/05/25 18:54	PB166986

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	20.5		0.22	2.00	ug/kg
319-85-7	beta-BHC	21.2		0.59	2.00	ug/kg
319-86-8	delta-BHC	20.8		0.56	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	20.4		0.23	2.00	ug/kg
76-44-8	Heptachlor	21.4		0.20	2.00	ug/kg
309-00-2	Aldrin	20.3		0.17	2.00	ug/kg
1024-57-3	Heptachlor epoxide	20.7		0.28	2.00	ug/kg
959-98-8	Endosulfan I	21.2		0.20	2.00	ug/kg
60-57-1	Dieldrin	21.3		0.18	2.00	ug/kg
72-55-9	4,4-DDE	21.1		0.16	2.00	ug/kg
72-20-8	Endrin	24.9		0.19	2.00	ug/kg
33213-65-9	Endosulfan II	21.6		0.36	2.00	ug/kg
72-54-8	4,4-DDD	23.6		0.23	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	22.2		0.16	2.00	ug/kg
50-29-3	4,4-DDT	21.4		0.20	2.00	ug/kg
72-43-5	Methoxychlor	23.3		0.46	2.00	ug/kg
53494-70-5	Endrin ketone	20.0		0.26	2.00	ug/kg
7421-93-4	Endrin aldehyde	20.1		0.47	2.00	ug/kg
5103-71-9	alpha-Chlordane	21.2		0.20	2.00	ug/kg
5103-74-2	gamma-Chlordane	21.2		0.23	2.00	ug/kg
8001-35-2	Toxaphene	39.6	U	6.30	39.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.8		20 - 144	109%	SPK: 20
877-09-8	Tetrachloro-m-xylene	26.0		19 - 148	130%	SPK: 20

Report of Analysis

Client:	JPCL Engineering	Date Collected:	03/04/25
Project:	NYSDOT Two Bronx River Parkway Bridges	Date Received:	03/04/25
Client Sample ID:	DN-B-41MS	SDG No.:	Q1485
Lab Sample ID:	Q1485-01MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	83.1
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094516.D	1	03/05/25 09:10	03/05/25 18:54	PB166986

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

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Report of Analysis

Client:	JPCL Engineering	Date Collected:	03/04/25
Project:	NYSDOT Two Bronx River Parkway Bridges	Date Received:	03/04/25
Client Sample ID:	DN-B-41MSD	SDG No.:	Q1485
Lab Sample ID:	Q1485-01MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	83.1
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Decanted:	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094517.D	1	03/05/25 09:10	03/05/25 19:08	PB166986

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	20.2		0.22	2.00	ug/kg
319-85-7	beta-BHC	21.0		0.59	2.00	ug/kg
319-86-8	delta-BHC	20.6		0.56	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	20.1		0.23	2.00	ug/kg
76-44-8	Heptachlor	21.0		0.20	2.00	ug/kg
309-00-2	Aldrin	20.2		0.17	2.00	ug/kg
1024-57-3	Heptachlor epoxide	20.7		0.28	2.00	ug/kg
959-98-8	Endosulfan I	20.9		0.20	2.00	ug/kg
60-57-1	Dieldrin	21.2		0.18	2.00	ug/kg
72-55-9	4,4-DDE	21.1		0.16	2.00	ug/kg
72-20-8	Endrin	24.4		0.19	2.00	ug/kg
33213-65-9	Endosulfan II	21.4		0.36	2.00	ug/kg
72-54-8	4,4-DDD	24.0		0.23	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	22.1		0.16	2.00	ug/kg
50-29-3	4,4-DDT	21.6		0.20	2.00	ug/kg
72-43-5	Methoxychlor	23.5		0.46	2.00	ug/kg
53494-70-5	Endrin ketone	20.3		0.26	2.00	ug/kg
7421-93-4	Endrin aldehyde	20.6		0.47	2.00	ug/kg
5103-71-9	alpha-Chlordane	21.1		0.20	2.00	ug/kg
5103-74-2	gamma-Chlordane	21.2		0.23	2.00	ug/kg
8001-35-2	Toxaphene	39.6	U	6.30	39.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.2		20 - 144	111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.8		19 - 148	129%	SPK: 20

Report of Analysis

Client:	JPCL Engineering	Date Collected:	03/04/25
Project:	NYSDOT Two Bronx River Parkway Bridges	Date Received:	03/04/25
Client Sample ID:	DN-B-41MSD	SDG No.:	Q1485
Lab Sample ID:	Q1485-01MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	83.1
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL094517.D	1	03/05/25 09:10	03/05/25 19:08	PB166986

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit



CALIBRATION SUMMARY

A
B
C
D
E
F
G
H

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

[illegible]

A
B
C
D
E
F
G
H

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

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: JPCL01

Lab Code: CHEM **Case No.:** Q1485 **SAS No.:** Q1485 **SDG NO.:** Q1485

Instrument ID: ECD_L **Calibration Date(s):** 02/21/2025 02/21/2025
Calibration Times: 10:56 11:51

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

LAB FILE ID:		CF 100 =	<u>PL094326.D</u>	CF 075 =	<u>PL094327.D</u>		
CF 050 =		<u>PL094328.D</u>	CF 025 =	<u>PL094329.D</u>	CF 005 =	<u>PL094330.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	1803580000	1795660000	1810310000	1935150000	1904070000	1849750000	4
4,4'-DDE	2493500000	2470740000	2506610000	2704950000	2882800000	2611720000	7
4,4'-DDT	1974760000	1979910000	2019710000	2146120000	2379640000	2100030000	8
Aldrin	3281770000	3217010000	3255180000	3477160000	3927610000	3431750000	9
alpha-BHC	3748810000	3649740000	3623010000	3780620000	4111130000	3782660000	5
alpha-Chlordane	2727770000	2693090000	2738980000	2936760000	3388830000	2897090000	10
beta-BHC	1501030000	1494420000	1485840000	1667440000	1835770000	1596900000	10
Decachlorobiphenyl	1933170000	1963230000	2030640000	2203310000	2505970000	2127260000	11
delta-BHC	3482300000	3394730000	3353250000	3521830000	3939260000	3538270000	7
Dieldrin	2692690000	2671770000	2693570000	2901890000	3285250000	2849030000	9
Endosulfan I	2547690000	2536030000	2605780000	2783760000	3269880000	2748630000	11
Endosulfan II	2275250000	2276760000	2334150000	2535820000	3164240000	2517240000	15
Endosulfan sulfate	2066530000	2082580000	2124320000	2325240000	2720550000	2263840000	12
Endrin	2293020000	2294250000	2335150000	2563130000	3275860000	2552280000	16
Endrin aldehyde	1783210000	1799570000	1847420000	2020050000	2283730000	1946800000	11
Endrin ketone	2341850000	2345380000	2389970000	2583410000	2873950000	2506910000	9
gamma-BHC (Lindane)	3636600000	3544540000	3535300000	3710470000	4046760000	3694740000	6
gamma-Chlordane	2749680000	2723950000	2753190000	2951510000	3502350000	2936140000	11
Heptachlor	3238030000	3195300000	3207600000	3444620000	3866240000	3390360000	8
Heptachlor epoxide	2854740000	2830940000	2868110000	3075040000	3438100000	3013390000	9
Methoxychlor	1034140000	1042330000	1072820000	1161190000	1244730000	1111040000	8
Tetrachloro-m-xylene	2440810000	2429970000	2443520000	2602410000	2778780000	2539100000	6

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: JPCL01

Lab Code: CHEM **Case No.:** Q1485 **SAS No.:** Q1485 **SDG NO.:** Q1485

Instrument ID: ECD_L **Calibration Date(s):** 02/21/2025 02/21/2025
Calibration Times: 10:56 11:51

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

LAB FILE ID:		CF 100 = <u>PL094326.D</u>		CF 075 = <u>PL094327.D</u>			
CF 050 = <u>PL094328.D</u>		CF 025 = <u>PL094329.D</u>		CF 005 = <u>PL094330.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3335160000	3215540000	3139450000	3166740000	3069690000	3185310000	3
4,4'-DDE	4281660000	4182440000	4118800000	4213820000	4203280000	4200000000	1
4,4'-DDT	3703100000	3584290000	3529700000	3537620000	3430330000	3557010000	3
Aldrin	4820710000	4668200000	4536250000	4555960000	4520730000	4620370000	3
alpha-BHC	5213240000	5010060000	4886090000	4788800000	4675760000	4914790000	4
alpha-Chlordane	4373480000	4258810000	4191540000	4303990000	4460210000	4317600000	2
beta-BHC	1965110000	1930080000	1919640000	1976280000	2153520000	1988920000	5
Decachlorobiphenyl	3675900000	3638830000	3681980000	3820210000	4411300000	3845640000	8
delta-BHC	5032580000	4845250000	4682410000	4626330000	4491990000	4735710000	4
Dieldrin	4518600000	4388970000	4327740000	4347710000	4325860000	4381780000	2
Endosulfan I	4036260000	3934540000	3904680000	3979590000	4077800000	3986580000	2
Endosulfan II	3796570000	3715310000	3681290000	3767040000	3737420000	3739530000	1
Endosulfan sulfate	3706520000	3626300000	3609280000	3706820000	3819330000	3693650000	2
Endrin	3538690000	3451940000	3434060000	3498850000	3100040000	3404720000	5
Endrin aldehyde	3123920000	3068890000	3064770000	3158970000	3385600000	3160430000	4
Endrin ketone	4300600000	4199470000	4213040000	4281500000	4343010000	4267520000	1
gamma-BHC (Lindane)	4983380000	4798550000	4658170000	4606370000	4503230000	4709940000	4
gamma-Chlordane	4438420000	4307340000	4231380000	4301670000	4415360000	4338830000	2
Heptachlor	4844080000	4715390000	4629500000	4679640000	4732940000	4720310000	2
Heptachlor epoxide	4316300000	4215090000	4165700000	4257130000	4322680000	4255380000	2
Methoxychlor	1924140000	1903960000	1935750000	2006380000	1984890000	1951030000	2
Tetrachloro-m-xylene	3209080000	3135420000	3127500000	3185970000	3297890000	3191170000	2

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: JPCL01

Lab Code: CHEM Case No.: Q1485 SAS No.: Q1485 SDG NO.: Q1485

Instrument ID: ECD_L Date(s) Analyzed: 02/21/2025 02/21/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	6.23	6.13	6.33	27502600
		2	6.44	6.34	6.54	15755600
		3	7.05	6.95	7.15	85691600
		4	7.15	7.05	7.25	64144500
		5	7.93	7.83	8.03	48033300

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: JPCL01

Lab Code: CHEM Case No.: Q1485 SAS No.: Q1485 SDG NO.: Q1485

Instrument ID: ECD_L Date(s) Analyzed: 02/21/2025 02/21/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	5.00	4.90	5.10	27519700
		2	5.32	5.22	5.42	26638800
		3	5.68	5.58	5.78	28297800
		4	6.59	6.49	6.69	98473700
		5	7.03	6.93	7.13	90711700

CALIBRATION VERIFICATION SUMMARY

Contract: JPCL01

Lab Code: CHEM Case No.: Q1485 SAS No.: Q1485 SDG NO.: Q1485

Continuing Calib Date: 03/05/2025 Initial Calibration Date(s): 02/21/2025 02/21/2025

Continuing Calib Time: 09:25 Initial Calibration Time(s): 10:56 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.05	9.05	8.95	9.15	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.99	3.99	3.89	4.09	0.00
beta-BHC	4.53	4.52	4.42	4.62	-0.01
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.33	4.32	4.22	4.42	-0.01
Heptachlor	4.91	4.91	4.81	5.01	0.00
Aldrin	5.26	5.25	5.15	5.35	-0.01
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.15	7.05	7.25	-0.01
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.64	7.54	7.74	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: JPCL01

Lab Code: CHEM Case No.: Q1485 SAS No.: Q1485 SDG NO.: Q1485

Continuing Calib Date: 03/05/2025 Initial Calibration Date(s): 02/21/2025 02/21/2025

Continuing Calib Time: 09:25 Initial Calibration Time(s): 10:56 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.91	7.90	7.80	8.00	-0.01
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
alpha-BHC	3.27	3.27	3.17	3.37	0.00
beta-BHC	3.90	3.90	3.80	4.00	0.00
delta-BHC	4.13	4.13	4.03	4.23	0.00
gamma-BHC (Lindane)	3.60	3.60	3.50	3.70	0.00
Heptachlor	3.94	3.94	3.84	4.04	0.00
Aldrin	4.22	4.22	4.12	4.32	0.00
Heptachlor epoxide	4.72	4.72	4.62	4.82	0.00
Endosulfan I	5.09	5.09	4.99	5.19	0.00
Dieldrin	5.36	5.36	5.26	5.46	0.00
4,4'-DDE	5.22	5.22	5.12	5.32	0.00
Endrin	5.63	5.63	5.53	5.73	0.00
Endosulfan II	5.93	5.93	5.83	6.03	0.00
4,4'-DDD	5.78	5.78	5.68	5.88	0.00
Endosulfan sulfate	6.33	6.33	6.23	6.43	0.00
4,4'-DDT	6.03	6.03	5.93	6.13	0.00
Methoxychlor	6.61	6.61	6.51	6.71	0.00
Endrin ketone	6.83	6.83	6.73	6.93	0.00
Endrin aldehyde	6.11	6.11	6.01	6.21	0.00
alpha-Chlordane	5.04	5.04	4.94	5.14	0.00
gamma-Chlordane	4.97	4.97	4.87	5.07	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: JPCL01

Lab Code: CHEM Case No.: Q1485 SAS No.: Q1485 SDG NO.: Q1485

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 02/21/2025 02/21/2025

Client Sample No.: CCAL01 Date Analyzed: 03/05/2025

Lab Sample No.: PSTDCCC050 Data File : PL094499.D Time Analyzed: 09:25

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.709	6.606	6.806	56.100	50.000	12.2
4,4'-DDE	6.191	6.088	6.288	52.160	50.000	4.3
4,4'-DDT	7.022	6.919	7.119	51.890	50.000	3.8
Aldrin	5.255	5.153	5.353	50.110	50.000	0.2
alpha-BHC	3.994	3.891	4.091	50.090	50.000	0.2
alpha-Chlordane	6.017	5.915	6.115	50.460	50.000	0.9
beta-BHC	4.525	4.422	4.622	49.600	50.000	-0.8
Decachlorobiphenyl	9.054	8.949	9.149	48.110	50.000	-3.8
delta-BHC	4.772	4.669	4.869	50.940	50.000	1.9
Dieldrin	6.343	6.240	6.440	50.200	50.000	0.4
Endosulfan I	6.068	5.965	6.165	50.060	50.000	0.1
Endosulfan II	6.793	6.690	6.890	47.610	50.000	-4.8
Endosulfan sulfate	7.158	7.054	7.254	48.590	50.000	-2.8
Endrin	6.571	6.470	6.670	46.480	50.000	-7.0
Endrin aldehyde	6.923	6.820	7.020	50.470	50.000	0.9
Endrin ketone	7.643	7.539	7.739	49.010	50.000	-2.0
gamma-BHC (Lindane)	4.327	4.224	4.424	50.010	50.000	0.0
gamma-Chlordane	5.939	5.835	6.035	49.900	50.000	-0.2
Heptachlor	4.914	4.812	5.012	50.590	50.000	1.2
Heptachlor epoxide	5.682	5.579	5.779	51.910	50.000	3.8
Methoxychlor	7.499	7.396	7.596	51.120	50.000	2.2
Tetrachloro-m-xylene	3.538	3.435	3.635	51.300	50.000	2.6

CALIBRATION VERIFICATION SUMMARY

Contract: JPCL01

Lab Code: CHEM Case No.: Q1485 SAS No.: Q1485 SDG NO.: Q1485

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 02/21/2025 02/21/2025

Client Sample No.: CCAL01 Date Analyzed: 03/05/2025

Lab Sample No.: PSTDCCC050 Data File : PL094499.D Time Analyzed: 09:25

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.781	5.679	5.879	55.380	50.000	10.8
4,4'-DDE	5.224	5.124	5.324	52.050	50.000	4.1
4,4'-DDT	6.030	5.929	6.129	53.060	50.000	6.1
Aldrin	4.221	4.119	4.319	51.640	50.000	3.3
alpha-BHC	3.274	3.172	3.372	50.610	50.000	1.2
alpha-Chlordane	5.037	4.935	5.135	49.990	50.000	0.0
beta-BHC	3.904	3.803	4.003	50.800	50.000	1.6
Decachlorobiphenyl	7.905	7.804	8.004	47.360	50.000	-5.3
delta-BHC	4.132	4.030	4.230	51.240	50.000	2.5
Dieldrin	5.357	5.256	5.456	51.290	50.000	2.6
Endosulfan I	5.093	4.991	5.191	40.290	50.000	-19.4
Endosulfan II	5.927	5.826	6.026	52.950	50.000	5.9
Endosulfan sulfate	6.330	6.228	6.428	50.740	50.000	1.5
Endrin	5.632	5.531	5.731	58.680	50.000	17.4
Endrin aldehyde	6.107	6.006	6.206	50.810	50.000	1.6
Endrin ketone	6.834	6.733	6.933	53.800	50.000	7.6
gamma-BHC (Lindane)	3.604	3.502	3.702	51.430	50.000	2.9
gamma-Chlordane	4.973	4.872	5.072	50.330	50.000	0.7
Heptachlor	3.941	3.840	4.040	50.810	50.000	1.6
Heptachlor epoxide	4.723	4.622	4.822	50.470	50.000	0.9
Methoxychlor	6.606	6.505	6.705	52.050	50.000	4.1
Tetrachloro-m-xylene	2.771	2.670	2.870	51.240	50.000	2.5

CALIBRATION VERIFICATION SUMMARY

Contract: JPCL01

Lab Code: CHEM Case No.: Q1485 SAS No.: Q1485 SDG NO.: Q1485

Continuing Calib Date: 03/05/2025 Initial Calibration Date(s): 02/21/2025 02/21/2025

Continuing Calib Time: 17:46 Initial Calibration Time(s): 10:56 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.05	9.05	8.95	9.15	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.99	3.99	3.89	4.09	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.33	4.32	4.22	4.42	0.00
Heptachlor	4.91	4.91	4.81	5.01	0.00
Aldrin	5.26	5.25	5.15	5.35	-0.01
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.15	7.05	7.25	-0.01
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.64	7.54	7.74	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: JPCL01

Lab Code: CHEM Case No.: Q1485 SAS No.: Q1485 SDG NO.: Q1485

Continuing Calib Date: 03/05/2025 Initial Calibration Date(s): 02/21/2025 02/21/2025

Continuing Calib Time: 17:46 Initial Calibration Time(s): 10:56 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.91	7.90	7.80	8.00	-0.01
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
alpha-BHC	3.27	3.27	3.17	3.37	0.00
beta-BHC	3.90	3.90	3.80	4.00	0.00
delta-BHC	4.13	4.13	4.03	4.23	0.00
gamma-BHC (Lindane)	3.60	3.60	3.50	3.70	0.00
Heptachlor	3.94	3.94	3.84	4.04	0.00
Aldrin	4.22	4.22	4.12	4.32	0.00
Heptachlor epoxide	4.72	4.72	4.62	4.82	0.00
Endosulfan I	5.09	5.09	4.99	5.19	0.00
Dieldrin	5.36	5.36	5.26	5.46	0.00
4,4'-DDE	5.22	5.22	5.12	5.32	0.00
Endrin	5.63	5.63	5.53	5.73	0.00
Endosulfan II	5.93	5.93	5.83	6.03	0.00
4,4'-DDD	5.78	5.78	5.68	5.88	0.00
Endosulfan sulfate	6.33	6.33	6.23	6.43	0.00
4,4'-DDT	6.03	6.03	5.93	6.13	0.00
Methoxychlor	6.61	6.61	6.51	6.71	0.00
Endrin ketone	6.83	6.83	6.73	6.93	0.00
Endrin aldehyde	6.11	6.11	6.01	6.21	0.00
alpha-Chlordane	5.04	5.04	4.94	5.14	0.00
gamma-Chlordane	4.97	4.97	4.87	5.07	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: JPCL01

Lab Code: CHEM Case No.: Q1485 SAS No.: Q1485 SDG NO.: Q1485

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 02/21/2025 02/21/2025

Client Sample No.: CCAL02 Date Analyzed: 03/05/2025

Lab Sample No.: PSTDCCC050 Data File : PL094511.D Time Analyzed: 17:46

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.709	6.606	6.806	57.700	50.000	15.4
4,4'-DDE	6.190	6.088	6.288	53.060	50.000	6.1
4,4'-DDT	7.022	6.919	7.119	53.180	50.000	6.4
Aldrin	5.255	5.153	5.353	50.870	50.000	1.7
alpha-BHC	3.993	3.891	4.091	50.790	50.000	1.6
alpha-Chlordane	6.016	5.915	6.115	51.120	50.000	2.2
beta-BHC	4.524	4.422	4.622	50.580	50.000	1.2
Decachlorobiphenyl	9.053	8.949	9.149	47.800	50.000	-4.4
delta-BHC	4.771	4.669	4.869	51.200	50.000	2.4
Dieldrin	6.342	6.240	6.440	51.450	50.000	2.9
Endosulfan I	6.067	5.965	6.165	50.970	50.000	1.9
Endosulfan II	6.793	6.690	6.890	48.110	50.000	-3.8
Endosulfan sulfate	7.157	7.054	7.254	49.070	50.000	-1.9
Endrin	6.571	6.470	6.670	47.650	50.000	-4.7
Endrin aldehyde	6.923	6.820	7.020	51.200	50.000	2.4
Endrin ketone	7.643	7.539	7.739	49.560	50.000	-0.9
gamma-BHC (Lindane)	4.325	4.224	4.424	50.780	50.000	1.6
gamma-Chlordane	5.937	5.835	6.035	50.820	50.000	1.6
Heptachlor	4.913	4.812	5.012	51.160	50.000	2.3
Heptachlor epoxide	5.682	5.579	5.779	52.750	50.000	5.5
Methoxychlor	7.498	7.396	7.596	52.590	50.000	5.2
Tetrachloro-m-xylene	3.537	3.435	3.635	51.890	50.000	3.8

CALIBRATION VERIFICATION SUMMARY

Contract: JPCL01

Lab Code: CHEM Case No.: Q1485 SAS No.: Q1485 SDG NO.: Q1485

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 02/21/2025 02/21/2025

Client Sample No.: CCAL02 Date Analyzed: 03/05/2025

Lab Sample No.: PSTDCCC050 Data File : PL094511.D Time Analyzed: 17:46

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.780	5.679	5.879	56.540	50.000	13.1
4,4'-DDE	5.224	5.124	5.324	52.760	50.000	5.5
4,4'-DDT	6.030	5.929	6.129	53.820	50.000	7.6
Aldrin	4.220	4.119	4.319	51.910	50.000	3.8
alpha-BHC	3.273	3.172	3.372	51.510	50.000	3.0
alpha-Chlordane	5.037	4.935	5.135	50.670	50.000	1.3
beta-BHC	3.903	3.803	4.003	51.310	50.000	2.6
Decachlorobiphenyl	7.906	7.804	8.004	49.390	50.000	-1.2
delta-BHC	4.132	4.030	4.230	51.840	50.000	3.7
Dieldrin	5.357	5.256	5.456	51.780	50.000	3.6
Endosulfan I	5.092	4.991	5.191	40.540	50.000	-18.9
Endosulfan II	5.926	5.826	6.026	53.570	50.000	7.1
Endosulfan sulfate	6.329	6.228	6.428	51.550	50.000	3.1
Endrin	5.631	5.531	5.731	59.970	50.000	19.9
Endrin aldehyde	6.107	6.006	6.206	51.110	50.000	2.2
Endrin ketone	6.834	6.733	6.933	55.190	50.000	10.4
gamma-BHC (Lindane)	3.603	3.502	3.702	52.050	50.000	4.1
gamma-Chlordane	4.973	4.872	5.072	51.040	50.000	2.1
Heptachlor	3.941	3.840	4.040	51.400	50.000	2.8
Heptachlor epoxide	4.723	4.622	4.822	51.390	50.000	2.8
Methoxychlor	6.606	6.505	6.705	53.720	50.000	7.4
Tetrachloro-m-xylene	2.770	2.670	2.870	52.110	50.000	4.2

CALIBRATION VERIFICATION SUMMARY

Contract: JPCL01

Lab Code: CHEM Case No.: Q1485 SAS No.: Q1485 SDG NO.: Q1485

Continuing Calib Date: 03/05/2025 Initial Calibration Date(s): 02/21/2025 02/21/2025

Continuing Calib Time: 20:02 Initial Calibration Time(s): 10:56 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.05	9.05	8.95	9.15	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	3.99	3.99	3.89	4.09	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.33	4.32	4.22	4.42	0.00
Heptachlor	4.91	4.91	4.81	5.01	0.00
Aldrin	5.26	5.25	5.15	5.35	-0.01
Heptachlor epoxide	5.68	5.68	5.58	5.78	0.00
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.34	6.34	6.24	6.44	0.00
4,4'-DDE	6.19	6.19	6.09	6.29	0.00
Endrin	6.57	6.57	6.47	6.67	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.15	7.05	7.25	-0.01
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.64	7.64	7.54	7.74	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: JPCL01

Lab Code: CHEM Case No.: Q1485 SAS No.: Q1485 SDG NO.: Q1485

Continuing Calib Date: 03/05/2025 Initial Calibration Date(s): 02/21/2025 02/21/2025

Continuing Calib Time: 20:02 Initial Calibration Time(s): 10:56 11:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.91	7.90	7.80	8.00	-0.01
Tetrachloro-m-xylene	2.77	2.77	2.67	2.87	0.00
alpha-BHC	3.27	3.27	3.17	3.37	0.00
beta-BHC	3.90	3.90	3.80	4.00	0.00
delta-BHC	4.13	4.13	4.03	4.23	0.00
gamma-BHC (Lindane)	3.60	3.60	3.50	3.70	0.00
Heptachlor	3.94	3.94	3.84	4.04	0.00
Aldrin	4.22	4.22	4.12	4.32	0.00
Heptachlor epoxide	4.72	4.72	4.62	4.82	0.00
Endosulfan I	5.09	5.09	4.99	5.19	0.00
Dieldrin	5.36	5.36	5.26	5.46	0.00
4,4'-DDE	5.22	5.22	5.12	5.32	0.00
Endrin	5.63	5.63	5.53	5.73	0.00
Endosulfan II	5.93	5.93	5.83	6.03	0.00
4,4'-DDD	5.78	5.78	5.68	5.88	0.00
Endosulfan sulfate	6.33	6.33	6.23	6.43	0.00
4,4'-DDT	6.03	6.03	5.93	6.13	0.00
Methoxychlor	6.61	6.61	6.51	6.71	0.00
Endrin ketone	6.83	6.83	6.73	6.93	0.00
Endrin aldehyde	6.11	6.11	6.01	6.21	0.00
alpha-Chlordane	5.04	5.04	4.94	5.14	0.00
gamma-Chlordane	4.97	4.97	4.87	5.07	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: JPCL01

Lab Code: CHEM Case No.: Q1485 SAS No.: Q1485 SDG NO.: Q1485

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 02/21/2025 02/21/2025

Client Sample No.: CCAL03 Date Analyzed: 03/05/2025

Lab Sample No.: PSTDCCC050 Data File : PL094521.D Time Analyzed: 20:02

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.709	6.606	6.806	57.640	50.000	15.3
4,4'-DDE	6.190	6.088	6.288	52.630	50.000	5.3
4,4'-DDT	7.022	6.919	7.119	49.980	50.000	0.0
Aldrin	5.255	5.153	5.353	50.750	50.000	1.5
alpha-BHC	3.993	3.891	4.091	51.170	50.000	2.3
alpha-Chlordane	6.016	5.915	6.115	50.760	50.000	1.5
beta-BHC	4.524	4.422	4.622	50.800	50.000	1.6
Decachlorobiphenyl	9.054	8.949	9.149	46.700	50.000	-6.6
delta-BHC	4.769	4.669	4.869	51.780	50.000	3.6
Dieldrin	6.342	6.240	6.440	51.160	50.000	2.3
Endosulfan I	6.067	5.965	6.165	50.430	50.000	0.9
Endosulfan II	6.792	6.690	6.890	47.970	50.000	-4.1
Endosulfan sulfate	7.158	7.054	7.254	48.260	50.000	-3.5
Endrin	6.571	6.470	6.670	46.620	50.000	-6.8
Endrin aldehyde	6.923	6.820	7.020	49.870	50.000	-0.3
Endrin ketone	7.642	7.539	7.739	48.350	50.000	-3.3
gamma-BHC (Lindane)	4.325	4.224	4.424	51.150	50.000	2.3
gamma-Chlordane	5.936	5.835	6.035	50.570	50.000	1.1
Heptachlor	4.913	4.812	5.012	51.230	50.000	2.5
Heptachlor epoxide	5.682	5.579	5.779	52.290	50.000	4.6
Methoxychlor	7.499	7.396	7.596	51.090	50.000	2.2
Tetrachloro-m-xylene	3.536	3.435	3.635	51.950	50.000	3.9

CALIBRATION VERIFICATION SUMMARY

Contract: JPCL01

Lab Code: CHEM Case No.: Q1485 SAS No.: Q1485 SDG NO.: Q1485

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 02/21/2025 02/21/2025

Client Sample No.: CCAL03 Date Analyzed: 03/05/2025

Lab Sample No.: PSTDCCC050 Data File : PL094521.D Time Analyzed: 20:02

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.780	5.679	5.879	56.560	50.000	13.1
4,4'-DDE	5.223	5.124	5.324	52.170	50.000	4.3
4,4'-DDT	6.030	5.929	6.129	52.280	50.000	4.6
Aldrin	4.220	4.119	4.319	52.370	50.000	4.7
alpha-BHC	3.273	3.172	3.372	52.170	50.000	4.3
alpha-Chlordane	5.036	4.935	5.135	50.770	50.000	1.5
beta-BHC	3.903	3.803	4.003	51.930	50.000	3.9
Decachlorobiphenyl	7.906	7.804	8.004	45.430	50.000	-9.1
delta-BHC	4.131	4.030	4.230	52.200	50.000	4.4
Dieldrin	5.356	5.256	5.456	51.080	50.000	2.2
Endosulfan I	5.092	4.991	5.191	40.480	50.000	-19.0
Endosulfan II	5.926	5.826	6.026	52.490	50.000	5.0
Endosulfan sulfate	6.329	6.228	6.428	50.080	50.000	0.2
Endrin	5.631	5.531	5.731	59.850	50.000	19.7
Endrin aldehyde	6.107	6.006	6.206	49.850	50.000	-0.3
Endrin ketone	6.834	6.733	6.933	53.030	50.000	6.1
gamma-BHC (Lindane)	3.603	3.502	3.702	52.610	50.000	5.2
gamma-Chlordane	4.973	4.872	5.072	51.310	50.000	2.6
Heptachlor	3.940	3.840	4.040	51.720	50.000	3.4
Heptachlor epoxide	4.723	4.622	4.822	51.790	50.000	3.6
Methoxychlor	6.605	6.505	6.705	50.360	50.000	0.7
Tetrachloro-m-xylene	2.770	2.670	2.870	52.950	50.000	5.9

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: JPCL01

Lab Code: CHEM Case No.: Q1485 SAS No.: Q1485 SDG NO.: Q1485

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 02/21/2025 02/21/2025

Client Sample No. (PEM): PEM - PL094324.D Date Analyzed: 02/21/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:29

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.049	8.950	9.150	19.210	20.000	-4.0
Tetrachloro-m-xylene	3.536	3.490	3.590	18.850	20.000	-5.8
alpha-BHC	3.991	3.940	4.040	10.030	10.000	0.3
beta-BHC	4.523	4.470	4.570	10.250	10.000	2.5
gamma-BHC (Lindane)	4.324	4.270	4.370	9.920	10.000	-0.8
Endrin	6.570	6.500	6.640	41.860	50.000	-16.3
4,4'-DDT	7.020	6.950	7.090	87.790	100.000	-12.2
Methoxychlor	7.497	7.430	7.570	207.340	250.000	-17.1

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 02/21/2025 02/21/2025

Client Sample No. (PEM): PEM - PL094324.D Date Analyzed: 02/21/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:29

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.904	7.800	8.000	18.560	20.000	-7.2
Tetrachloro-m-xylene	2.771	2.720	2.820	18.550	20.000	-7.3
alpha-BHC	3.273	3.220	3.320	8.830	10.000	-11.7
beta-BHC	3.903	3.850	3.950	9.960	10.000	-0.4
gamma-BHC (Lindane)	3.603	3.550	3.650	8.530	10.000	-14.7
Endrin	5.632	5.560	5.700	45.740	50.000	-8.5
4,4'-DDT	6.029	5.960	6.100	98.350	100.000	-1.7
Methoxychlor	6.605	6.530	6.680	222.980	250.000	-10.8

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: JPCL01

Lab Code: CHEM Case No.: Q1485 SAS No.: Q1485 SDG NO.: Q1485

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 02/21/2025 02/21/2025

Client Sample No. (PEM): PEM - PL094498.D Date Analyzed: 03/05/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:12

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.054	8.950	9.150	23.610	20.000	18.1
Tetrachloro-m-xylene	3.538	3.490	3.590	25.110	20.000	25.6
alpha-BHC	3.994	3.940	4.040	12.820	10.000	28.2
beta-BHC	4.525	4.470	4.580	13.130	10.000	31.3
gamma-BHC (Lindane)	4.326	4.280	4.380	12.550	10.000	25.5
Endrin	6.572	6.500	6.640	50.280	50.000	0.6
4,4'-DDT	7.024	6.950	7.090	112.610	100.000	12.6
Methoxychlor	7.501	7.430	7.570	256.110	250.000	2.4

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 02/21/2025 02/21/2025

Client Sample No. (PEM): PEM - PL094498.D Date Analyzed: 03/05/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:12

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	7.905	7.800	8.010	22.830	20.000	14.2
Tetrachloro-m-xylene	2.771	2.720	2.820	24.130	20.000	20.7
alpha-BHC	3.274	3.220	3.320	11.360	10.000	13.6
beta-BHC	3.904	3.850	3.950	13.010	10.000	30.1
gamma-BHC (Lindane)	3.604	3.550	3.650	11.070	10.000	10.7
Endrin	5.633	5.560	5.700	62.860	50.000	25.7
4,4'-DDT	6.031	5.960	6.100	127.740	100.000	27.7
Methoxychlor	6.606	6.540	6.680	278.660	250.000	11.5

Analytical Sequence

Client: JPCL Engineering	SDG No.: Q1485
Project: NYSDOT Two Bronx River Parkway Bridge	Instrument ID: ECD_L
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 02/21/2025 02/21/2025

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	02/21/2025	10:15	PL094323.D	9.05	3.54
PEM	PEM	02/21/2025	10:29	PL094324.D	9.05	3.54
RESCHK	RESCHK	02/21/2025	10:42	PL094325.D	9.05	3.54
PSTDICCC100	PSTDICCC100	02/21/2025	10:56	PL094326.D	9.05	3.54
PSTDICCC075	PSTDICCC075	02/21/2025	11:10	PL094327.D	9.05	3.54
PSTDICCC050	PSTDICCC050	02/21/2025	11:23	PL094328.D	9.05	3.54
PSTDICCC025	PSTDICCC025	02/21/2025	11:37	PL094329.D	9.05	3.54
PSTDICCC005	PSTDICCC005	02/21/2025	11:51	PL094330.D	9.05	3.54
PCHLORICC500	PCHLORICC500	02/21/2025	12:32	PL094333.D	9.05	3.54
PTOXICC500	PTOXICC500	02/21/2025	13:40	PL094338.D	9.05	3.54
IBLK	IBLK	03/05/2025	08:58	PL094497.D	9.06	3.54
PEM	PEM	03/05/2025	09:12	PL094498.D	9.05	3.54
PSTDCCC050	PSTDCCC050	03/05/2025	09:25	PL094499.D	9.05	3.54
PB166986BL	PB166986BL	03/05/2025	14:46	PL094500.D	9.07	3.55
PB166986BS	PB166986BS	03/05/2025	14:59	PL094501.D	9.06	3.54
IBLK	IBLK	03/05/2025	17:32	PL094510.D	9.05	3.54
PSTDCCC050	PSTDCCC050	03/05/2025	17:46	PL094511.D	9.05	3.54
DN-B-41	Q1485-01	03/05/2025	18:40	PL094515.D	9.05	3.54
DN-B-41MS	Q1485-01MS	03/05/2025	18:54	PL094516.D	9.05	3.54
DN-B-41MSD	Q1485-01MSD	03/05/2025	19:08	PL094517.D	9.05	3.54
IBLK	IBLK	03/05/2025	19:49	PL094520.D	9.05	3.54
PSTDCCC050	PSTDCCC050	03/05/2025	20:02	PL094521.D	9.05	3.54

Analytical Sequence

Client: JPCL Engineering	SDG No.: Q1485
Project: NYSDOT Two Bronx River Parkway Bridge	Instrument ID: ECD_L
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 02/21/2025 02/21/2025

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	02/21/2025	10:15	PL094323.D	7.91	2.77
PEM	PEM	02/21/2025	10:29	PL094324.D	7.90	2.77
RESCHK	RESCHK	02/21/2025	10:42	PL094325.D	7.90	2.77
PSTDICCC100	PSTDICCC100	02/21/2025	10:56	PL094326.D	7.90	2.77
PSTDICCC075	PSTDICCC075	02/21/2025	11:10	PL094327.D	7.90	2.77
PSTDICCC050	PSTDICCC050	02/21/2025	11:23	PL094328.D	7.90	2.77
PSTDICCC025	PSTDICCC025	02/21/2025	11:37	PL094329.D	7.91	2.77
PSTDICCC005	PSTDICCC005	02/21/2025	11:51	PL094330.D	7.90	2.77
PCHLORICC500	PCHLORICC500	02/21/2025	12:32	PL094333.D	7.90	2.77
PTOXICC500	PTOXICC500	02/21/2025	13:40	PL094338.D	7.90	2.77
IBLK	IBLK	03/05/2025	08:58	PL094497.D	7.91	2.77
PEM	PEM	03/05/2025	09:12	PL094498.D	7.91	2.77
PSTDCCC050	PSTDCCC050	03/05/2025	09:25	PL094499.D	7.91	2.77
PB166986BL	PB166986BL	03/05/2025	14:46	PL094500.D	7.91	2.77
PB166986BS	PB166986BS	03/05/2025	14:59	PL094501.D	7.91	2.77
IBLK	IBLK	03/05/2025	17:32	PL094510.D	7.91	2.77
PSTDCCC050	PSTDCCC050	03/05/2025	17:46	PL094511.D	7.91	2.77
DN-B-41	Q1485-01	03/05/2025	18:40	PL094515.D	7.91	2.77
DN-B-41MS	Q1485-01MS	03/05/2025	18:54	PL094516.D	7.91	2.77
DN-B-41MSD	Q1485-01MSD	03/05/2025	19:08	PL094517.D	7.91	2.77
IBLK	IBLK	03/05/2025	19:49	PL094520.D	7.91	2.77
PSTDCCC050	PSTDCCC050	03/05/2025	20:02	PL094521.D	7.91	2.77

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

DN-B-41MS

Contract: JPCL01

Lab Code: CHEM

Case No.: Q1485

SAS No.: Q1485

SDG NO.: Q1485

Lab Sample ID: Q1485-01MS

Date(s) Analyzed: 03/05/2025

03/05/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.79	6.74	6.84	20.8	3.8
	2	5.93	5.88	5.98	21.6	
4,4'-DDD	1	6.71	6.66	6.76	23.6	3.9
	2	5.78	5.73	5.83	22.7	
4,4'-DDT	1	7.02	6.97	7.07	21.4	2.8
	2	6.03	5.98	6.08	20.8	
Endrin aldehyde	1	6.92	6.87	6.97	20.1	6.2
	2	6.11	6.06	6.16	18.9	
Endosulfan sulfate	1	7.16	7.11	7.21	21.2	4.6
	2	6.33	6.28	6.38	22.2	
Methoxychlor	1	7.50	7.45	7.55	23.3	20.3
	2	6.61	6.56	6.66	19.0	
Endrin ketone	1	7.64	7.59	7.69	20.0	0.5
	2	6.84	6.79	6.89	19.9	
alpha-BHC	1	3.99	3.94	4.04	20.5	0
	2	3.27	3.22	3.32	20.5	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	20.3	0.5
	2	3.60	3.55	3.65	20.4	
Heptachlor	1	4.91	4.86	4.96	21.4	2.4
	2	3.94	3.89	3.99	20.9	
Aldrin	1	5.26	5.21	5.31	20.3	2.5
	2	4.22	4.17	4.27	19.8	
beta-BHC	1	4.52	4.47	4.57	21.2	0.9
	2	3.90	3.85	3.95	21.0	
delta-BHC	1	4.77	4.72	4.82	20.8	3.4
	2	4.13	4.08	4.18	20.1	
Heptachlor epoxide	1	5.68	5.63	5.73	20.6	0.5
	2	4.72	4.67	4.77	20.7	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

DN-B-41MS

Contract: JPCL01

Lab Code: CHEM

Case No.: Q1485

SAS No.: Q1485

SDG NO.: Q1485

Lab Sample ID: Q1485-01MS

Date(s) Analyzed: 03/05/2025

03/05/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan I	1	6.07	6.02	6.12	21.2	4.8
	2	5.09	5.04	5.14	20.2	
gamma-Chlordane	1	5.94	5.89	5.99	20.9	1.4
	2	4.97	4.92	5.02	21.2	
alpha-Chlordane	1	6.02	5.97	6.07	21.2	1.4
	2	5.04	4.99	5.09	20.9	
4,4'-DDE	1	6.19	6.14	6.24	21.1	0
	2	5.23	5.18	5.28	21.1	
Dieldrin	1	6.34	6.29	6.39	21.0	1.4
	2	5.36	5.31	5.41	21.3	
Endrin	1	6.57	6.52	6.62	19.5	24.3
	2	5.63	5.58	5.68	24.9	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

DN-B-41MSD

Contract: JPCL01

Lab Code: CHEM

Case No.: Q1485

SAS No.: Q1485

SDG NO.: Q1485

Lab Sample ID: Q1485-01MSD

Date(s) Analyzed: 03/05/2025

03/05/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.79	6.74	6.84	21.2	0.9
	2	5.93	5.88	5.98	21.4	
4,4'-DDD	1	6.71	6.66	6.76	24.0	8.7
	2	5.78	5.73	5.83	22.0	
4,4'-DDT	1	7.02	6.97	7.07	21.6	2.3
	2	6.03	5.98	6.08	21.1	
Endrin aldehyde	1	6.92	6.87	6.97	20.6	5.5
	2	6.11	6.06	6.16	19.5	
Endosulfan sulfate	1	7.16	7.11	7.21	21.5	2.8
	2	6.33	6.28	6.38	22.1	
Methoxychlor	1	7.50	7.45	7.55	23.5	19.6
	2	6.61	6.56	6.66	19.3	
Endrin ketone	1	7.64	7.59	7.69	20.2	0.5
	2	6.84	6.79	6.89	20.3	
alpha-BHC	1	3.99	3.94	4.04	20.2	0
	2	3.27	3.22	3.32	20.2	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	19.9	1
	2	3.60	3.55	3.65	20.1	
Heptachlor	1	4.91	4.86	4.96	21.0	0.5
	2	3.94	3.89	3.99	20.9	
Aldrin	1	5.26	5.21	5.31	20.2	2
	2	4.22	4.17	4.27	19.8	
beta-BHC	1	4.53	4.48	4.58	20.9	0.5
	2	3.90	3.85	3.95	21.0	
delta-BHC	1	4.77	4.72	4.82	20.6	2.5
	2	4.13	4.08	4.18	20.1	
Heptachlor epoxide	1	5.68	5.63	5.73	20.7	1.5
	2	4.72	4.67	4.77	20.4	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

DN-B-41MSD

Contract: JPCL01

Lab Code: CHEM Case No.: Q1485

SAS No.: Q1485 SDG NO.: Q1485

Lab Sample ID: Q1485-01MSD

Date(s) Analyzed: 03/05/2025 03/05/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan I	1	6.07	6.02	6.12	20.9	4.4
	2	5.09	5.04	5.14	20.0	
gamma-Chlordane	1	5.94	5.89	5.99	20.9	1.4
	2	4.97	4.92	5.02	21.2	
alpha-Chlordane	1	6.02	5.97	6.07	21.1	1
	2	5.04	4.99	5.09	20.9	
4,4'-DDE	1	6.19	6.14	6.24	20.8	1.4
	2	5.23	5.18	5.28	21.1	
Dieldrin	1	6.34	6.29	6.39	21.2	0
	2	5.36	5.31	5.41	21.2	
Endrin	1	6.57	6.52	6.62	19.5	22.3
	2	5.63	5.58	5.68	24.4	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB166986BS

Contract: JPCL01

Lab Code: CHEM

Case No.: Q1485

SAS No.: Q1485

SDG NO.: Q1485

Lab Sample ID: PB166986BS

Date(s) Analyzed: 03/05/2025

03/05/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.80	6.75	6.85	17.7	7.6
	2	5.93	5.88	5.98	19.1	
4,4'-DDD	1	6.71	6.66	6.76	20.3	2.5
	2	5.78	5.73	5.83	19.8	
4,4'-DDT	1	7.03	6.98	7.08	19.2	1
	2	6.03	5.98	6.08	19.4	
Endrin aldehyde	1	6.93	6.88	6.98	17.6	0
	2	6.11	6.06	6.16	17.6	
Endosulfan sulfate	1	7.16	7.11	7.21	17.5	5.6
	2	6.33	6.28	6.38	18.5	
alpha-BHC	1	4.00	3.95	4.05	17.1	2.4
	2	3.27	3.22	3.32	16.7	
Aldrin	1	5.26	5.21	5.31	17.2	2.9
	2	4.22	4.17	4.27	16.7	
beta-BHC	1	4.53	4.48	4.58	17.6	1.1
	2	3.90	3.85	3.95	17.4	
delta-BHC	1	4.77	4.72	4.82	17.4	5.3
	2	4.13	4.08	4.18	16.5	
Endosulfan I	1	6.07	6.02	6.12	18.0	0.6
	2	5.09	5.04	5.14	17.9	
alpha-Chlordane	1	6.02	5.97	6.07	18.3	3.3
	2	5.04	4.99	5.09	17.7	
4,4'-DDE	1	6.19	6.14	6.24	19.0	4.9
	2	5.23	5.18	5.28	18.1	
Dieldrin	1	6.35	6.30	6.40	18.1	0
	2	5.36	5.31	5.41	18.1	
Endrin	1	6.57	6.52	6.62	17.0	20.1
	2	5.63	5.58	5.68	20.8	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB166986BS

Contract: JPCL01

Lab Code: CHEM

Case No.: Q1485

SAS No.: Q1485

SDG NO.: Q1485

Lab Sample ID: PB166986BS

Date(s) Analyzed: 03/05/2025

03/05/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Methoxychlor	1	7.50	7.45	7.55	18.6	0
	2	6.61	6.56	6.66	18.6	
Endrin ketone	1	7.65	7.60	7.70	17.7	8.1
	2	6.84	6.79	6.89	19.2	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	16.9	1.2
	2	3.60	3.55	3.65	16.7	
Heptachlor	1	4.92	4.87	4.97	18.1	3.4
	2	3.94	3.89	3.99	17.5	
Heptachlor epoxide	1	5.68	5.63	5.73	17.9	2.8
	2	4.72	4.67	4.77	17.4	
gamma-Chlordane	1	5.94	5.89	5.99	18.2	1.7
	2	4.97	4.92	5.02	17.9	