

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-51MS	SDG No.:	Q2150
Lab Sample ID:	Q2150-07MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.7
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095849.D	1	05/30/25 08:50	05/30/25 14:59	PB168209

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	20.4		0.15	2.00	ug/kg
319-85-7	beta-BHC	18.9		0.21	2.00	ug/kg
319-86-8	delta-BHC	19.9		0.46	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	20.3		0.17	2.00	ug/kg
76-44-8	Heptachlor	19.1		0.14	2.00	ug/kg
309-00-2	Aldrin	20.0		0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	19.7		0.23	2.00	ug/kg
959-98-8	Endosulfan I	19.1		0.17	2.00	ug/kg
60-57-1	Dieldrin	19.0		0.17	2.00	ug/kg
72-55-9	4,4-DDE	18.9		0.17	2.00	ug/kg
72-20-8	Endrin	17.6		0.17	2.00	ug/kg
33213-65-9	Endosulfan II	18.5		0.35	2.00	ug/kg
72-54-8	4,4-DDD	18.8		0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	17.8		0.15	2.00	ug/kg
50-29-3	4,4-DDT	15.8		0.17	2.00	ug/kg
72-43-5	Methoxychlor	15.4		0.44	2.00	ug/kg
53494-70-5	Endrin ketone	18.4		0.23	2.00	ug/kg
7421-93-4	Endrin aldehyde	18.9		0.44	2.00	ug/kg
5103-71-9	alpha-Chlordane	19.4		0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	19.5		0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.40	U	6.40	39.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	8.47		20 - 144	42%	SPK: 20
877-09-8	Tetrachloro-m-xylene	14.6		19 - 148	73%	SPK: 20

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Lab Sample ID:	Q2150-07MS		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	83.7	Decanted:
Sample Wt/Vol:	30.08	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

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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