

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	MH-E/FMSD	SDG No.:	Q2436
Lab Sample ID:	Q2430-01MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	88.2
Sample Wt/Vol:	30.03	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
PD089211.D	1	06/27/25 09:00	06/27/25 23:33	PB168637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	17.0		0.15	1.90	ug/kg
319-85-7	beta-BHC	16.7		0.20	1.90	ug/kg
319-86-8	delta-BHC	17.3		0.44	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	16.8		0.16	1.90	ug/kg
76-44-8	Heptachlor	16.1		0.14	1.90	ug/kg
309-00-2	Aldrin	16.8		0.14	1.90	ug/kg
1024-57-3	Heptachlor epoxide	16.7		0.22	1.90	ug/kg
959-98-8	Endosulfan I	16.8		0.16	1.90	ug/kg
60-57-1	Dieldrin	16.6		0.16	1.90	ug/kg
72-55-9	4,4-DDE	16.6		0.16	1.90	ug/kg
72-20-8	Endrin	16.3		0.16	1.90	ug/kg
33213-65-9	Endosulfan II	16.6		0.33	1.90	ug/kg
72-54-8	4,4-DDD	16.7		0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	16.1		0.15	1.90	ug/kg
50-29-3	4,4-DDT	15.8		0.16	1.90	ug/kg
72-43-5	Methoxychlor	14.2		0.42	1.90	ug/kg
53494-70-5	Endrin ketone	16.4		0.22	1.90	ug/kg
7421-93-4	Endrin aldehyde	16.1		0.42	1.90	ug/kg
5103-71-9	alpha-Chlordane	16.6		0.14	1.90	ug/kg
5103-74-2	gamma-Chlordane	16.7		0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.10	U	6.10	37.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.4		20 - 144	77%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.6		19 - 148	83%	SPK: 20

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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