

Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	01/23/25	
Project:	LOD-LOQ Study		Date Received:	01/23/25	
Client Sample ID:	LOD-MDL-SOIL-01-QT1-2025		SDG No.:	Q1168	
Lab Sample ID:	Q1168-01		Matrix:	SOIL	
Analytical Method:	SW8081		% Solid:	100	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL093795.D	1	01/24/25 08:20	01/24/25 15:53	PB166215

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.34	JP	0.18	1.70	ug/kg
319-85-7	beta-BHC	0.49	U	0.49	1.70	ug/kg
319-86-8	delta-BHC	0.47	U	0.47	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	0.32	J	0.19	1.70	ug/kg
76-44-8	Heptachlor	0.39	JP	0.17	1.70	ug/kg
309-00-2	Aldrin	0.33	J	0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	0.38	J	0.23	1.70	ug/kg
959-98-8	Endosulfan I	0.38	J	0.17	1.70	ug/kg
60-57-1	Dieldrin	0.38	JP	0.15	1.70	ug/kg
72-55-9	4,4-DDE	0.40	J	0.13	1.70	ug/kg
72-20-8	Endrin	0.32	J	0.16	1.70	ug/kg
33213-65-9	Endosulfan II	0.35	J	0.30	1.70	ug/kg
72-54-8	4,4-DDD	0.43	J	0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	0.42	JP	0.13	1.70	ug/kg
50-29-3	4,4-DDT	0.34	JP	0.17	1.70	ug/kg
72-43-5	Methoxychlor	0.41	J	0.38	1.70	ug/kg
53494-70-5	Endrin ketone	0.39	J	0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	0.41	J	0.39	1.70	ug/kg
5103-71-9	alpha-Chlordane	0.38	J	0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	0.38	J	0.19	1.70	ug/kg
8001-35-2	Toxaphene	5.20	U	5.20	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.3		10 - 148	97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.9		10 - 159	90%	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