

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:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015330.D	1	01/28/25	01/28/25	PB166218

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.41	J	0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.66	J	0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.04	J	0.96	1.66	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.66	U	2.00	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	51.6		40 - 140	103%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	54.0		40 - 140	108%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.7		40 - 140	77%	SPK: 50



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Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1168-01	Acq On:	28 Jan 2025 17:46
Client Sample ID:	LOD-MDL-SOIL-01-QT1-	Operator:	YP\AJ
Data file:	FF015330.D	Misc:	4 PPM SOIL LOD
Instrument:	FID_F	ALS Vial:	67
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.485	6.355	990093	6.174	200	ug/ml
Aromatic C12-C16	6.356	9.053	1582334	9.869	300	ug/ml
Aromatic C16-C21	9.054	13.372	2455558	15.672	500	ug/ml
Aromatic C21-C36	13.373	18.824	3380016	23.215	800	ug/ml
Aromatic EPH	4.485	18.824	8408001	54.93		ug/ml
2-Bromonaphthalene (SURR)	7.992	7.992	6812939	51.61		ug/ml
2-Fluorobiphenyl (SURR)	8.865	8.865	4559152	54.01		ug/ml
ortho-Terphenyl (SURR)	11.930	11.930	6655642	38.66		ug/ml