

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
FF015329.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	0.67	U	0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.44	J	0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.66	U	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)	54.1		40 - 140	108%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	56.6		40 - 140	113%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.2		40 - 140	78%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1168-01	Acq On:	28 Jan 2025 17:17
Client Sample ID:	LOD-MDL-SOIL-01-QT1-	Operator:	YP\AJ
Data file:	FF015329.D	Misc:	2.5 PPM SOIL LOD
Instrument:	FID_F	ALS Vial:	66
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.485	6.355	650981	4.059	200	ug/ml
Aromatic C12-C16	6.356	9.053	1060701	6.616	300	ug/ml
Aromatic C16-C21	9.054	13.372	1554670	9.922	500	ug/ml
Aromatic C21-C36	13.373	18.824	2240388	15.388	800	ug/ml
Aromatic EPH	4.485	18.824	5506740	35.985		ug/ml
2-Bromonaphthalene (SURR)	7.992	7.992	7143629	54.12		ug/ml
2-Fluorobiphenyl (SURR)	8.865	8.865	4780333	56.63		ug/ml
ortho-Terphenyl (SURR)	11.929	11.929	6740781	39.16		ug/ml