

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
FD048989.D	1	01/28/25	01/29/25	PB166218

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aromatic C10-C12	Aromatic C10-C12	0.30	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	0.96	U	0.96	1.66	mg/kg
Aromatic C21-C36	Aromatic C21-C36	2.00	U	2.00	2.66	mg/kg
SURROGATES						
580-13-2	2-Bromonaphthalene (SURR)	49.5		40 - 140	99%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	52.9		40 - 140	106%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.1		40 - 140	80%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1168-01	Acq On:	29 Jan 2025 09:57
Client Sample ID:	LOD-MDL-SOIL-01-QT1-	Operator:	YP/AJ
Data file:	FD048989.D	Misc:	2.5 PPM SOIL LOD
Instrument:	FID_D	ALS Vial:	62
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.079	5.798	526943	3.395	200	ug/ml
Aromatic C12-C16	5.799	8.402	1072333	6.611	300	ug/ml
Aromatic C16-C21	8.403	12.668	1272929	8.231	500	ug/ml
Aromatic C21-C36	12.669	18.079	1496335	10.5	800	ug/ml
Aromatic EPH	4.079	18.079	4368540	28.737		ug/ml
2-Fluorobiphenyl (SURR)	8.208	8.208	4500241	52.89		ug/ml
ortho-Terphenyl (SURR)	11.243	11.243	6597950	40.12		ug/ml
2-Bromonaphthalene (SURR)	7.357	7.357	7049152	49.53		ug/ml