

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
FD048990.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	0.43	J	0.30	0.67	mg/kg
Aromatic C12-C16	Aromatic C12-C16	0.76	J	0.34	1.00	mg/kg
Aromatic C16-C21	Aromatic C16-C21	1.14	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)	53.9		40 - 140	108%	SPK: 50
321-60-8	2-Fluorobiphenyl (SURR)	55.5		40 - 140	111%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.7		40 - 140	91%	SPK: 50

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q1168-01	Acq On:	29 Jan 2025 10:33
Client Sample ID:	LOD-MDL-SOIL-01-QT1-	Operator:	YP/AJ
Data file:	FD048990.D	Misc:	4 PPM SOIL LOD
Instrument:	FID_D	ALS Vial:	63
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.079	5.798	991377	6.386	200	ug/ml
Aromatic C12-C16	5.799	8.402	1862282	11.481	300	ug/ml
Aromatic C16-C21	8.403	12.668	2640480	17.074	500	ug/ml
Aromatic C21-C36	12.669	18.079	3269348	22.942	800	ug/ml
Aromatic EPH	4.079	18.079	8763487	57.883		ug/ml
2-Bromonaphthalene (SURRE)	7.358	7.358	7672370	53.91		ug/ml
2-Fluorobiphenyl (SURRE)	8.208	8.208	4718175	55.45		ug/ml
ortho-Terphenyl (SURRE)	11.244	11.244	7520845	45.73		ug/ml