

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
FE052108.D	1	01/28/25	01/28/25	PB166218

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	1.00	U	0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.29	J	0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.49	J	0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	1.07	J	0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.00	U	1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	46.4		40 - 140	93%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1168-01	Acq On:	28 Jan 2025 16:58
Client Sample ID:	LOD-MDL-SOIL-01-QT1-	Operator:	YP\AJ
Data file:	FE052108.D	Misc:	2.5 PPM SOIL LOD
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.579	7.133	604240	5.511	300	ug/ml
Aliphatic C12-C16	7.134	10.532	520714	4.296	200	ug/ml
Aliphatic C16-C21	10.533	13.875	956364	7.29	300	ug/ml
Aliphatic C21-C28	13.876	17.518	2124721	16.089	400	ug/ml
Aliphatic C28-C40	17.519	22.539	2837833	26.45	600	ug/ml
Aliphatic EPH	3.579	22.539	7043872	59.635		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.614	13.614	5321290	46.39		ug/ml
Aliphatic C9-C28	3.579	17.518	4206039	33.186	1200	ug/ml