

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
FG015187.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	0.53	J	0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.40	J	0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.64	J	0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.84	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)	35.1		40 - 140	70%	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 17:46
Client Sample ID:	LOD-MDL-SOIL-01-QT1-	Operator:	YP\AJ
Data file:	FG015187.D	Misc:	4 PPM SOIL LOD
Instrument:	FID_G	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.178	6.820	1057226	7.956	300	ug/ml
Aliphatic C12-C16	6.821	10.273	851188	6.028	200	ug/ml
Aliphatic C16-C21	10.274	13.656	1384080	9.577	300	ug/ml
Aliphatic C21-C28	13.657	17.330	1730345	12.657	400	ug/ml
Aliphatic C28-C40	17.331	22.272	2363800	22.387	600	ug/ml
Aliphatic EPH	3.178	22.272	7386639	58.604		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.384	13.384	4279646	35.15		ug/ml
Aliphatic C9-C28	3.178	17.330	5022839	36.218	1200	ug/ml