

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	10/09/24
Project:	LOD-LOQ Study	Date Received:	10/09/24
Client Sample ID:	LOD-MDL-SOIL-01-QT4-2024	SDG No.:	P4368
Lab Sample ID:	P4368-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF014667.D	1	10/11/24	10/14/24	PB164054

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	0.67	U	0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.40	J	0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.88	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)	42.5		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4368-01	Acq On:	14 Oct 2024 17:56
Client Sample ID:	LOD-MDL-SOIL-01-QT4-	Operator:	YP\AJ
Data file:	FF014667.D	Misc:	
Instrument:	FID_F	ALS Vial:	73
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.093	6.705	484479	3.803	300	ug/ml
Aliphatic C12-C16	6.706	10.137	401403	3.088	200	ug/ml
Aliphatic C16-C21	10.138	13.497	839432	6.058	300	ug/ml
Aliphatic C21-C28	13.498	17.152	1911434	13.236	400	ug/ml
Aliphatic C28-C40	17.153	21.966	1858222	15.708	600	ug/ml
Aliphatic EPH	3.093	21.966	5494970	41.894		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.230	13.230	5088408	42.47		ug/ml
Aliphatic C9-C28	3.093	17.152	3636748	26.185	1200	ug/ml