



284 Sheffield Street, Mountainside NJ 07092 Phone: 908 789 8900 Fax : 908 789 8922

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	01/19/24
Project:	LOD-LOQ Study	Date Received:	01/19/24
Client Sample ID:	LOD-MDL-SOIL-01-QT1-2024	SDG No.:	P1187
Lab Sample ID:	P1187-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE046596.D	1	01/31/24	02/06/24	PB158548

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.38	J	0.24	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.29	J	0.14	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.51	J	0.21	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.77	J	0.46	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.42	J	1.02	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.7		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P1187-01	Acq On:	06 Feb 2024 01:33
Client Sample ID:	LOD-MDL-SOIL-01-QT1-	Operator:	YP\AJ
Data file:	FE046596.D	Misc:	ALIPHATIC LOD 2.5 PPM
Instrument:	FID_E	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.103	6.721	941336	5.754	300	ug/ml
Aliphatic C12-C16	6.722	10.157	722496	4.316	200	ug/ml
Aliphatic C16-C21	10.158	13.524	1307107	7.675	300	ug/ml
Aliphatic C21-C28	13.525	17.190	1882369	11.601	400	ug/ml
Aliphatic C28-C40	17.191	22.057	2995140	21.376	600	ug/ml
Aliphatic EPH	3.103	22.057	7848448	50.722		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.258	13.258	4933249	34.67		ug/ml
Aliphatic C9-C28	3.103	17.190	4853308	29.346	1200	ug/ml