



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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	04/05/23
Project:	LOD-LOQ Study	Date Received:	04/05/23
Client Sample ID:	LOD-MDL-SOIL-01-QT2-2023	SDG No.:	O2213
Lab Sample ID:	O2213-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG012156.D	1	04/06/23	06/12/23	PB151925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.36	J	0.24	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.27	J	0.14	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.45	J	0.21	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.66	J	0.46	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.02	U	1.02	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	47.0		40 - 140	94%	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:	O2213-01	Acq On:	12 Jun 2023 13:44
Client Sample ID:	LOD-MDL-SOIL-01-QT2-	Operator:	YP\AJ
Data file:	FG012156.D	Misc:	2.5 PPM SOIL LOD
Instrument:	FID_G	ALS Vial:	63
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	2.648	5.852	626995	5.328	300	ug/ml
Aliphatic C12-C16	5.853	9.252	507658	4.041	200	ug/ml
Aliphatic C16-C21	9.253	12.621	912227	6.749	300	ug/ml
Aliphatic C21-C28	12.622	16.289	1330973	9.941	400	ug/ml
Aliphatic C28-C40	16.290	21.201	1824721	15.22	600	ug/ml
Aliphatic EPH	2.648	21.201	5202574	41.279		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.352	12.352	5578751	47.05		ug/ml
Aliphatic C9-C28	2.648	16.289	3377853	26.059	1200	ug/ml