

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	05/23/25	
Project:	LOD-LOQ-MDL Study		Date Received:	05/23/25	
Client Sample ID:	LOD-MDL-SOIL-03-QT2-2025		SDG No.:	Q2126	
Lab Sample ID:	Q2126-01		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
FE054333.D	1	06/11/25	06/12/25	PB168408

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.59	J	0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.52	J	0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.89	J	0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	1.21	J	0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.84	J	1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	47.7		40 - 140	95%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2126-01	Acq On:	12 Jun 2025 11:39
Client Sample ID:	LOD-MDL-SOIL-03-QT2-	Operator:	YP\AJ
Data file:	FE054333.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.077	6.722	1114786	8.9	300	ug/ml
Aliphatic C12-C16	6.723	10.169	1028237	7.84	200	ug/ml
Aliphatic C16-C21	10.170	13.542	1786599	13.34	300	ug/ml
Aliphatic C21-C28	13.543	17.208	2305486	18.144	400	ug/ml
Aliphatic C28-C40	17.209	22.074	3553012	27.705	600	ug/ml
Aliphatic EPH	3.077	22.074	9788120	75.929		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.274	13.274	5822414	47.74		ug/ml
Aliphatic C9-C28	3.077	17.208	6235108	48.224	1200	ug/ml