

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	08/18/25	
Project:	LOD-LOQ-MDL Study		Date Received:	08/18/25	
Client Sample ID:	LOD-MDL-SOIL-01-QT3-2025		SDG No.:	Q2893	
Lab Sample ID:	Q2893-01		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
FG016575.D	1	08/27/25	09/09/25	PB169427

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.32	J	0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.25	J	0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.40	J	0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.56	J	0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.00	U	1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.4		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2893-01	Acq On:	09 Sep 2025 12:05
Client Sample ID:	LOD-MDL-SOIL-01-QT3-	Operator:	YP\AJ
Data file:	FG016575.D	Misc:	2.5 PPM SOIL LOD
Instrument:	FID_G	ALS Vial:	43
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.284	6.929	557450	4.858	300	ug/ml
Aliphatic C12-C16	6.930	10.389	442872	3.773	200	ug/ml
Aliphatic C16-C21	10.390	13.779	706275	6.012	300	ug/ml
Aliphatic C21-C28	13.780	17.466	934784	8.362	400	ug/ml
Aliphatic C28-C40	17.467	22.511	1419858	15.623	600	ug/ml
Aliphatic EPH	3.284	22.511	4061239	38.628		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.513	13.513	2959652	29.4		ug/ml
Aliphatic C9-C28	3.284	17.466	2641381	23.005	1200	ug/ml