

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
FE055683.D	1	08/27/25	09/05/25	PB169427

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.33	J	0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.28	J	0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.41	J	0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.58	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)	28.9		40 - 140	58%	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:	05 Sep 2025 11:30
Client Sample ID:	LOD-MDL-SOIL-01-QT3-	Operator:	YP\AJ
Data file:	FE055683.D	Misc:	2.5 PPM SOIL LOD
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.945	636614	4.958	300	ug/ml
Aliphatic C12-C16	6.946	10.397	565139	4.183	200	ug/ml
Aliphatic C16-C21	10.398	13.775	890721	6.176	300	ug/ml
Aliphatic C21-C28	13.776	17.446	1252271	8.743	400	ug/ml
Aliphatic C28-C40	17.447	22.456	2091672	15.188	600	ug/ml
Aliphatic EPH	3.311	22.456	5436417	39.248		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.509	13.509	3618004	28.93		ug/ml
Aliphatic C9-C28	3.311	17.446	3344745	24.06	1200	ug/ml