

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
FC069770.D	1	08/27/25	08/28/25	PB169427

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	0.37	J	0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	0.31	J	0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	0.47	J	0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	0.64	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)	46.7		40 - 140	93%	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:	28 Aug 2025 15:12
Client Sample ID:	LOD-MDL-SOIL-01-QT3-	Operator:	YP/AJ
Data file:	FC069770.D	Misc:	2.5PPM SOIL LOD
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.295	6.591	707652	5.573	300	ug/ml
Aliphatic C12-C16	6.592	9.993	603243	4.7	200	ug/ml
Aliphatic C16-C21	9.994	13.361	835441	7.095	300	ug/ml
Aliphatic C21-C28	13.362	17.027	982101	9.57	400	ug/ml
Aliphatic C28-C40	17.028	21.995	1221794	15.002	600	ug/ml
Aliphatic EPH	3.295	21.995	4350231	41.939		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.097	13.097	4464520	46.66		ug/ml
Aliphatic C9-C28	3.295	17.027	3128437	26.938	1200	ug/ml