

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:	LOQ-SOIL-02-QT3-2025		SDG No.:	Q2893	
Lab Sample ID:	Q2893-02		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.06	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
08/27/25 08:00	08/29/25 11:22	PB169427

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.72	J	1	0.14	1.00	mg/kg	FC069793.D
Aliphatic C12-C16	Aliphatic C12-C16	0.58	J	1	0.11	0.67	mg/kg	FC069793.D
Aliphatic C16-C21	Aliphatic C16-C21	0.97	J	1	0.13	1.00	mg/kg	FC069793.D
Aliphatic C21-C28	Aliphatic C21-C28	1.36		1	0.53	1.33	mg/kg	FC069793.D
Aliphatic C28-C40	Aliphatic C28-C40	2.45		1	1.18	2.00	mg/kg	FC069793.D
Total AliphaticEPH	Total AliphaticEPH	6.08			2.09	5.99	mg/kg	
Total AromaticEPH	Total AromaticEPH	0	U		0	0	mg/kg	
Total EPH	Total EPH	6.08			2.09	5.99	mg/kg	

U = Not Detected

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SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	53.0		40 - 140	106%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2893-02	Acq On:	29 Aug 2025 11:22
Client Sample ID:	LOQ-SOIL-02-QT3-2025	Operator:	YP/AJ
Data file:	FC069793.D	Misc:	5 PPM SOIL LOQ
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.297	6.594	1377463	10.848	300	ug/ml
Aliphatic C12-C16	6.595	9.997	1123893	8.757	200	ug/ml
Aliphatic C16-C21	9.998	13.367	1708955	14.512	300	ug/ml
Aliphatic C21-C28	13.368	17.033	2092296	20.388	400	ug/ml
Aliphatic C28-C40	17.034	22.011	2995736	36.783	600	ug/ml
Aliphatic EPH	3.297	22.011	9298343	91.288		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.103	13.103	5069316	52.98		ug/ml
Aliphatic C9-C28	3.297	17.033	6302607	54.505	1200	ug/ml