

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	11/03/25
Project:	LOD-LOQ-MDL Study	Date Received:	11/03/25
Client Sample ID:	LOQ-SOIL-02-QT4-2025	SDG No.:	Q3530
Lab Sample ID:	Q3530-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol:	2000 uL
Prep Method :		Prep Date :	12/03/25
		Test:	EPH

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C9-C12	Aliphatic C9-C12	0.55	J	1	0.14	1.00	mg/kg	FE057324.D	12/11/25 22:07	PB170799
Aliphatic C12-C16	Aliphatic C12-C16	0.45	J	1	0.11	0.67	mg/kg	FE057324.D	12/11/25 22:07	PB170799
Aliphatic C16-C21	Aliphatic C16-C21	0.77	J	1	0.13	1.00	mg/kg	FE057324.D	12/11/25 22:07	PB170799
Aliphatic C21-C28	Aliphatic C21-C28	1.06	J	1	0.53	1.33	mg/kg	FE057324.D	12/11/25 22:07	PB170799
Aliphatic C28-C40	Aliphatic C28-C40	1.71	J	1	1.18	2.00	mg/kg	FE057324.D	12/11/25 22:07	PB170799
Total AliphaticEPH	Total AliphaticEPH	4.54	J		2.09	5.99	mg/kg			
Total AromaticEPH	Total AromaticEPH	0	U		0	0	mg/kg			
Total EPH	Total EPH	4.54	J		2.09	5.99	mg/kg			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	11/03/25
Project:	LOD-LOQ-MDL Study		Date Received:	11/03/25
Client Sample ID:	LOQ-SOIL-02-QT4-2025		SDG No.:	Q3530
Lab Sample ID:	Q3530-02		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol:	2000 uL	Test:
Prep Method :		Prep Date	12/03/25	EPH

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C12	Aliphatic C9-C12	0.55	J	1	0.14	1.00	mg/kg	12/11/25	PB170799
Aliphatic C12-C16	Aliphatic C12-C16	0.45	J	1	0.11	0.67	mg/kg	12/11/25	PB170799
Aliphatic C16-C21	Aliphatic C16-C21	0.77	J	1	0.13	1.00	mg/kg	12/11/25	PB170799
Aliphatic C21-C28	Aliphatic C21-C28	1.06	J	1	0.53	1.33	mg/kg	12/11/25	PB170799
Aliphatic C28-C40	Aliphatic C28-C40	1.71	J	1	1.18	2.00	mg/kg	12/11/25	PB170799
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	31.1			40 - 140	62%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	0.00			40 - 140	0%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3530-02	Acq On:	11 Dec 2025 22:07
Client Sample ID:	LOQ-SOIL-02-QT4-2025	Operator:	YP\AJ
Data file:	FE057324.D	Misc:	5PPM SOIL LOQ
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.187	6.813	1657125	8.259	300	ug/ml
Aliphatic C12-C16	6.814	10.258	1377880	6.782	200	ug/ml
Aliphatic C16-C21	10.259	13.632	2277223	11.483	300	ug/ml
Aliphatic C21-C28	13.633	17.300	3159468	15.897	400	ug/ml
Aliphatic C28-C40	17.301	22.225	5120134	25.613	600	ug/ml
Aliphatic EPH	3.187	22.225	13591830	68.033		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.366	13.366	5168367	31.05		ug/ml
Aliphatic C9-C28	3.187	17.300	8471696	42.421	1200	ug/ml