

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:	LOD-MDL-SOIL-01-QT4-2025	SDG No.:	Q3530
Lab Sample ID:	Q3530-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.04 g	Test:	EPH
Prep Method :	Final Vol: 2000 uL Prep Date : 12/03/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C9-C12	Aliphatic C9-C12	0.41	J	1	0.14	1.00	mg/kg	FF016862.D	12/08/25 16:51	PB170799
Aliphatic C12-C16	Aliphatic C12-C16	0.32	J	1	0.11	0.67	mg/kg	FF016862.D	12/08/25 16:51	PB170799
Aliphatic C16-C21	Aliphatic C16-C21	0.50	J	1	0.13	1.00	mg/kg	FF016862.D	12/08/25 16:51	PB170799
Aliphatic C21-C28	Aliphatic C21-C28	0.63	J	1	0.53	1.33	mg/kg	FF016862.D	12/08/25 16:51	PB170799
Aliphatic C28-C40	Aliphatic C28-C40	2.00	U	1	1.18	2.00	mg/kg	FF016862.D	12/08/25 16:51	PB170799
Total AliphaticEPH	Total AliphaticEPH	5.99	U		2.09	5.99	mg/kg			
Total AromaticEPH	Total AromaticEPH	0	U		0	0	mg/kg			
Total EPH	Total EPH	5.99	U		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

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TARGETS										
Aliphatic C9-C12	Aliphatic C9-C12	0.39	J	1	0.14	1.00	mg/kg	FG017102.D	12/05/25 19:15	PB170799
Aliphatic C12-C16	Aliphatic C12-C16	0.31	J	1	0.11	0.67	mg/kg	FG017102.D	12/05/25 19:15	PB170799
Aliphatic C16-C21	Aliphatic C16-C21	0.48	J	1	0.13	1.00	mg/kg	FG017102.D	12/05/25 19:15	PB170799
Aliphatic C21-C28	Aliphatic C21-C28	0.58	J	1	0.53	1.33	mg/kg	FG017102.D	12/05/25 19:15	PB170799
Aliphatic C28-C40	Aliphatic C28-C40	2.00	U	1	1.18	2.00	mg/kg	FG017102.D	12/05/25 19:15	PB170799
Total AliphaticEPH	Total AliphaticEPH	5.99	U		2.09	5.99	mg/kg			
Total AromaticEPH	Total AromaticEPH	0	U		0	0	mg/kg			
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Total AliphaticEPH	Total AliphaticEPH	5.99	U		2.09	5.99	mg/kg			
Total AromaticEPH	Total AromaticEPH	0	U		0	0	mg/kg			
Total EPH	Total EPH	5.99	U		2.09	5.99	mg/kg			

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Lab Sample ID:	Q3530-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	0 g	Final Vol:	0 uL
Prep Method :		Test:	EPH
	Prep Date	12/03/25	

CAS Number	Parameter	Conc.	Qua. DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
SURROGATES								
580-13-2	2-Bromonaphthalene (SURR)	41.0		40 - 140	82%	SPK: 50		
321-60-8	2-Fluorobiphenyl (SURR)	39.9		40 - 140	80%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	31.9		40 - 140	64%	SPK: 50		



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q3530-01	Acq On:	05 Dec 2025 16:19
Client Sample ID:	LOD-MDL-SOIL-01-QT4-	Operator:	YP\AJ
Data file:	FF016853.D	Misc:	LOD-LOQ-SOIL-0.4 ML-C
Instrument:	FID_F	ALS Vial:	78
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic EPH	4.494	18.853	0	0		ug/ml