

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	10/27/25	
Project:	NJ Soil PT		Date Received:	10/29/25	
Client Sample ID:	HW1025-PT-NJEPH-SOIL		SDG No.:	Q3483	
Lab Sample ID:	Q3483-16		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	20.33 g	Final Vol:	2000 uL	Test:	EPH
Prep Method :		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	176		20	4.13	29.5	mg/kg	FG017067.D	12/04/25 14:45	PB170799
Aliphatic C12-C16	Aliphatic C12-C16	382		20	3.25	19.7	mg/kg	FG017067.D	12/04/25 14:45	PB170799
Aliphatic C16-C21	Aliphatic C16-C21	338		20	3.84	29.5	mg/kg	FG017067.D	12/04/25 14:45	PB170799
Aliphatic C21-C28	Aliphatic C21-C28	39.1		1	0.78	1.97	mg/kg	FG017065.D	12/04/25 12:27	PB170799
Aliphatic C28-C40	Aliphatic C28-C40	9.47		1	1.74	2.95	mg/kg	FG017065.D	12/04/25 12:27	PB170799
Aromatic C10-C12	Aromatic C10-C12	40.5		5	0.89	4.92	mg/kg	FF016839.D	12/04/25 14:16	PB170799
Aromatic C12-C16	Aromatic C12-C16	146		5	1.70	7.38	mg/kg	FF016839.D	12/04/25 14:16	PB170799
Aromatic C16-C21	Aromatic C16-C21	308		10	5.90	24.6	mg/kg	FF016840.D	12/04/25 14:45	PB170799
Aromatic C21-C36	Aromatic C21-C36	45.7		1	1.76	3.94	mg/kg	FF016838.D	12/04/25 12:27	PB170799
Total AliphaticEPH	Total AliphaticEPH	945			13.7	83.6	mg/kg			
Total AromaticEPH	Total AromaticEPH	540			10.2	40.8	mg/kg			
Total EPH	Total EPH	1480			24.0	124	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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Lab Sample ID:	Q3483-16		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	100
Sample Wt/Vol:	20.33 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									
Aromatic C10-C12	Aromatic C10-C12	41.4	E	1	0.18	0.98	mg/kg	12/04/25	PB170799
Aromatic C12-C16	Aromatic C12-C16	140	E	1	0.34	1.48	mg/kg	12/04/25	PB170799
Aromatic C16-C21	Aromatic C16-C21	283	E	1	0.59	2.46	mg/kg	12/04/25	PB170799
Aromatic C21-C36	Aromatic C21-C36	45.7		1	1.76	3.94	mg/kg	12/04/25	PB170799
SURROGATES									
580-13-2	2-Bromonaphthalene (SURR)	69.9			40 - 140	140%	SPK: 50		
321-60-8	2-Fluorobiphenyl (SURR)	67.3			40 - 140	135%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	40.2			40 - 140	80%	SPK: 50		

Quantitation Report For Aromatic EPH Range.

Lab Sample ID:	Q3483-16	Acq On:	04 Dec 2025 12:27
Client Sample ID:	HW1025-PT-NJEPH-SOIL	Operator:	YP\AJ
Data file:	FF016838.D	Misc:	
Instrument:	FID_F	ALS Vial:	71
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aromatic C10-C12	4.495	6.372	57498016	420.606	200	ug/ml
Aromatic C12-C16	6.373	9.074	198044833	1430	300	ug/ml
Aromatic C16-C21	9.075	13.394	375676802	2880	500	ug/ml
Aromatic C21-C36	13.395	18.853	58217747	464.357	800	ug/ml
Aromatic EPH	4.495	18.853	689437398	5200		ug/ml
2-Bromonaphthalene (SURR)	7.998	7.998	8013260	69.89		ug/ml
2-Fluorobiphenyl (SURR)	8.876	8.876	4771591	67.32		ug/ml
ortho-Terphenyl (SURR)	11.943	11.943	5918491	40.22		ug/ml