

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	
Project:	NJ Soil PT		Date Received:	
Client Sample ID:	PB167903BS		SDG No.:	Q1872
Lab Sample ID:	PB167903BS		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	100
Sample Wt/Vol:	30.03	Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:		uL	Test:	EPH
Prep Method :				

Prep Date :	Date Analyzed :	Prep Batch ID
05/07/25 13:37	05/08/25 13:01	PB167903

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	6.17		1	0.14	1.00	mg/kg FC068793.D
Aliphatic C12-C16	Aliphatic C12-C16	6.23		1	0.11	0.67	mg/kg FC068793.D
Aliphatic C16-C21	Aliphatic C16-C21	11.4		1	0.13	1.00	mg/kg FC068793.D
Aliphatic C21-C28	Aliphatic C21-C28	15.5		1	0.53	1.33	mg/kg FC068793.D
Aliphatic C28-C40	Aliphatic C28-C40	21.7		1	1.18	2.00	mg/kg FC068793.D
Aromatic C10-C12	Aromatic C10-C12	5.23		1	0.12	0.67	mg/kg FD049320.D
Aromatic C12-C16	Aromatic C12-C16	9.09		1	0.23	1.00	mg/kg FD049320.D
Aromatic C16-C21	Aromatic C16-C21	18.9		1	0.40	1.67	mg/kg FD049320.D
Aromatic C21-C36	Aromatic C21-C36	31.4		1	1.19	2.66	mg/kg FD049320.D
Total AliphaticEPH	Total AliphaticEPH	61.0			2.09	5.99	mg/kg
Total AromaticEPH	Total AromaticEPH	64.6			1.94	6.00	mg/kg
Total EPH	Total EPH	126			4.03	12.0	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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Soil Aliquot Vol:		uL	Test:	EPH
Prep Method :				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068793.D	1	05/07/25	05/08/25	PB167903

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Aliphatic C9-C12	Aliphatic C9-C12	6.17		0.14	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	6.23		0.11	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	11.4		0.13	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	15.5		0.53	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	21.7		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.7		40 - 140	87%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB167903BS	Acq On:	08 May 2025 13:01
Client Sample ID:	PB167903BS	Operator:	YP/AJ
Data file:	FC068793.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic EPH	3.342	22.071	79362563	916.803		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.145	13.145	3505588	43.7		ug/ml
Aliphatic C9-C12	3.342	6.642	9191306	92.717	300	ug/ml
Aliphatic C12-C16	6.643	10.042	8516253	93.601	200	ug/ml
Aliphatic C16-C21	10.043	13.408	14737629	171.846	300	ug/ml
Aliphatic C21-C28	13.409	17.072	19322244	232.543	400	ug/ml
Aliphatic C28-C40	17.073	22.071	27595131	326.096	600	ug/ml
Aliphatic C9-C28	3.342	17.072	51767432	590.707	1200	ug/ml