

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	04/21/25	
Project:	NJ Soil PT		Date Received:	04/24/25	
Client Sample ID:	HW0425-PT-NJEPH-SOIL		SDG No.:	Q1872	
Lab Sample ID:	Q1872-16		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	20.02	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 15:19	PB167903

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	40.2		5	1.05	7.49	mg/kg FC068796.D
Aliphatic C12-C16	Aliphatic C12-C16	110		10	1.65	9.99	mg/kg FC068797.D
Aliphatic C16-C21	Aliphatic C16-C21	105		5	0.97	7.49	mg/kg FC068796.D
Aliphatic C21-C28	Aliphatic C21-C28	16.6		1	0.79	2.00	mg/kg FC068795.D
Aliphatic C28-C40	Aliphatic C28-C40	4.47		1	1.77	3.00	mg/kg FC068795.D
Aromatic C10-C12	Aromatic C10-C12	6.23		1	0.18	1.00	mg/kg FD049322.D
Aromatic C12-C16	Aromatic C12-C16	20.0		1	0.35	1.50	mg/kg FD049322.D
Aromatic C16-C21	Aromatic C16-C21	46.1		1	0.60	2.50	mg/kg FD049322.D
Aromatic C21-C36	Aromatic C21-C36	13.3		1	1.78	4.00	mg/kg FD049322.D
Total AliphaticEPH	Total AliphaticEPH	276			6.24	30.0	mg/kg
Total AromaticEPH	Total AromaticEPH	85.6			2.90	9.00	mg/kg
Total EPH	Total EPH	362			9.14	39.0	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
FC068795.D	1	05/07/25	05/08/25	PB167903

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	42.6	E	0.21	1.50	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	111	E	0.17	1.00	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	113	E	0.20	1.50	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	16.6		0.79	2.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.47		1.77	3.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	56.3		40 - 140	113%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1872-16	Acq On:	08 May 2025 14:20
Client Sample ID:	HW0425-PT-NJEPH-SOIL	Operator:	YP/AJ
Data file:	FC068795.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.342	6.642	42294730	426.646	300	ug/ml
Aliphatic C12-C16	6.643	10.042	101696121	1120	200	ug/ml
Aliphatic C16-C21	10.043	13.408	97492213	1140	300	ug/ml
Aliphatic C21-C28	13.409	17.072	13782514	165.872	400	ug/ml
Aliphatic C28-C40	17.073	22.071	3783932	44.715	600	ug/ml
Aliphatic EPH	3.342	22.071	259049510	2890		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.147	13.147	4514086	56.27		ug/ml
Aliphatic C9-C28	3.342	17.072	255265578	2850	1200	ug/ml