

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark		Date Collected:	
Project:	NJ Soil PT		Date Received:	
Client Sample ID:	B-167-SB02MS		SDG No.:	Q1872
Lab Sample ID:	Q1901-04MS		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	53.2
Sample Wt/Vol:	30.09	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 21:04	PB167903

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	9.53		1	0.26	1.87	mg/kg	FC068804.D
Aliphatic C12-C16	Aliphatic C12-C16	9.38		1	0.21	1.25	mg/kg	FC068804.D
Aliphatic C16-C21	Aliphatic C16-C21	14.8		1	0.24	1.87	mg/kg	FC068804.D
Aliphatic C21-C28	Aliphatic C21-C28	19.3		1	0.99	2.50	mg/kg	FC068804.D
Aliphatic C28-C40	Aliphatic C28-C40	26.3		1	2.21	3.75	mg/kg	FC068804.D
Aromatic C10-C12	Aromatic C10-C12	9.38		1	0.23	1.25	mg/kg	FD049330.D
Aromatic C12-C16	Aromatic C12-C16	16.8		1	0.43	1.87	mg/kg	FD049330.D
Aromatic C16-C21	Aromatic C16-C21	35.0		1	0.75	3.12	mg/kg	FD049330.D
Aromatic C21-C36	Aromatic C21-C36	51.3		1	2.23	5.00	mg/kg	FD049330.D
Total AliphaticEPH	Total AliphaticEPH	79.3			3.92	11.2	mg/kg	
Total AromaticEPH	Total AromaticEPH	112			3.64	11.2	mg/kg	
Total EPH	Total EPH	192			7.55	22.5	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068804.D	1	05/07/25	05/08/25	PB167903

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Aliphatic C16-C21	Aliphatic C16-C21	14.8		0.24	1.87	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	19.3		0.99	2.50	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.3		2.21	3.75	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.6		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1901-04MS	Acq On:	08 May 2025 21:04
Client Sample ID:	Q1901-04MS	Operator:	YP/AJ
Data file:	FC068804.D	Misc:	
Instrument:	FID_C	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic EPH	3.342	22.071	55180760	634.564		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.143	13.143	2776379	34.61		ug/ml
Aliphatic C9-C12	3.342	6.642	7560396	76.265	300	ug/ml
Aliphatic C12-C16	6.643	10.042	6832672	75.097	200	ug/ml
Aliphatic C16-C21	10.043	13.408	10145566	118.301	300	ug/ml
Aliphatic C21-C28	13.409	17.072	12845217	154.592	400	ug/ml
Aliphatic C28-C40	17.073	22.071	17796909	210.309	600	ug/ml
Aliphatic C9-C28	3.342	17.072	37383851	424.255	1200	ug/ml