

Report of Analysis

Client:	PSEG	Date Collected:	01/30/25
Project:	Mikula Contracting, Inc. (Clifton, NJ) MA00006789	Date Received:	01/30/25
Client Sample ID:	CL-01-01302025	SDG No.:	Q1243
Lab Sample ID:	Q1243-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.8
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
01/31/25 09:45	01/31/25 18:11	PB166417

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	10.1		1	1.90	2.11	mg/kg	FF015422.D
Aliphatic C9-C28	Aliphatic C9-C28	3.27	J	1	1.81	4.20	mg/kg	FF015422.D
Total AliphaticEPH	Total AliphaticEPH	13.4			3.71	6.31	mg/kg	
Total EPH	Total EPH	13.4			3.71	6.31	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015422.D	1	01/31/25	01/31/25	PB166417

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.27	J	1.81	4.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	10.1		1.90	2.11	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.4		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.9		40 - 140	66%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1243-01	Acq On:	31 Jan 2025 18:11
Client Sample ID:	CL-01-01302025	Operator:	YP\AJ
Data file:	FF015422.D	Misc:	
Instrument:	FID_F	ALS Vial:	79
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.214	6.833	467162	3.505	300	ug/ml
Aliphatic C12-C16	6.834	10.268	804835	5.815	200	ug/ml
Aliphatic C16-C21	10.269	13.636	5878667	40.695	300	ug/ml
Aliphatic C21-C28	13.637	17.303	1382486	9.707	400	ug/ml
Aliphatic C28-C40	17.304	22.207	15051051	143.773	600	ug/ml
Aliphatic EPH	3.214	22.207	23584201	203.495		ug/ml
ortho-Terphenyl (SURR)	11.933	11.933	5231466	32.9		ug/ml
1-chlorooctadecane (SURR)	13.371	13.371	4285771	34.38		ug/ml
Aliphatic C9-C28	3.214	17.303	8533150	59.722	1200	ug/ml