

Report of Analysis

Client:	PSEG	Date Collected:	08/14/25
Project:	Mikula Contracting, Inc. (Clifton, NJ) MA00006789	Date Received:	08/14/25
Client Sample ID:	CL-02-08142025	SDG No.:	Q2876
Lab Sample ID:	Q2876-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.9
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/15/25 09:30	08/16/25 0:01	PB169265

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	7.36		1	1.25	2.12	mg/kg	FE055343.D
Aliphatic C9-C28	Aliphatic C9-C28	0.98	J	1	0.97	4.25	mg/kg	FE055343.D
Total AliphaticEPH	Total AliphaticEPH	8.34			2.22	6.37	mg/kg	
Total EPH	Total EPH	8.34			2.22	6.37	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
FE055343.D	1	08/15/25	08/16/25	PB169265

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.98	J	0.97	4.25	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.36		1.25	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.3		40 - 140	53%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.0		40 - 140	50%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2876-01	Acq On:	16 Aug 2025 00:01
Client Sample ID:	CL-02-08142025	Operator:	YP\AJ
Data file:	FE055343.D	Misc:	
Instrument:	FID_E	ALS Vial:	30
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.321	6.954	312063	2.672	300	ug/ml
Aliphatic C12-C16	6.955	10.407	674301	5.385	200	ug/ml
Aliphatic C16-C21	10.408	13.785	739455	5.85	300	ug/ml
Aliphatic C21-C28	13.786	17.458	911196	7.561	400	ug/ml
Aliphatic C28-C40	17.459	22.482	11844526	103.911	600	ug/ml
Aliphatic EPH	3.321	22.482	14481541	125.379		ug/ml
ortho-Terphenyl (SURR)	12.081	12.081	3564902	24.96		ug/ml
1-chlorooctadecane (SURR)	13.516	13.516	2826733	26.29		ug/ml
Aliphatic C9-C28	3.321	17.458	2637015	21.468	1200	ug/ml