

Report of Analysis

Client:	PSEG	Date Collected:	10/03/25
Project:	Mikula Contracting, Inc. (Clifton, NJ) MA00006789	Date Received:	10/03/25
Client Sample ID:	CL-02-100325	SDG No.:	Q3290
Lab Sample ID:	Q3290-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.3
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/06/25 08:00	10/06/25 23:07	PB169990

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	39.2		1	1.24	2.10	mg/kg	FE056214.D
Aliphatic C9-C28	Aliphatic C9-C28	7.39		1	0.95	4.20	mg/kg	FE056214.D
Total AliphaticEPH	Total AliphaticEPH	46.6			2.19	6.30	mg/kg	
Total EPH	Total EPH	46.6			2.19	6.30	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
FE056214.D	1	10/06/25	10/06/25	PB169990

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	7.39		0.95	4.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	39.2		1.24	2.10	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	49.0		40 - 140	98%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.8		40 - 140	64%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3290-01	Acq On:	06 Oct 2025 23:07
Client Sample ID:	CL-02-100325	Operator:	YP\AJ
Data file:	FE056214.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	3.311	6.945	428327	3.059	300	ug/ml
Aliphatic C12-C16	6.946	10.396	2514481	16.394	200	ug/ml
Aliphatic C16-C21	10.397	13.775	6948636	41.89	300	ug/ml
Aliphatic C21-C28	13.776	17.444	6590236	44.371	400	ug/ml
Aliphatic C28-C40	17.445	22.453	76370986	560.513	600	ug/ml
Aliphatic EPH	3.311	22.453	92852666	666.226		ug/ml
ortho-Terphenyl (SURR)	12.068	12.068	5971266	31.82		ug/ml
1-chlorooctadecane (SURR)	13.505	13.505	6833329	48.96		ug/ml
Aliphatic C9-C28	3.311	17.444	16481680	105.714	1200	ug/ml