

Report of Analysis

Client:	PSEG	Date Collected:	04/29/25
Project:	Moorestown	Date Received:	04/29/25
Client Sample ID:	MOO-25-0123-27	SDG No.:	Q1910
Lab Sample ID:	Q1910-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.9
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/30/25 09:20	04/30/25 15:13	PB167797

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.53		1	1.32	2.25	mg/kg	FE053587.D
Aliphatic C9-C28	Aliphatic C9-C28	24.1		1	1.02	4.49	mg/kg	FE053587.D
Total AliphaticEPH	Total AliphaticEPH	28.6			2.34	6.74	mg/kg	
Total EPH	Total EPH	28.6			2.34	6.74	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053587.D	1	04/30/25	04/30/25	PB167797

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	24.1		1.02	4.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.53		1.32	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.9		40 - 140	60%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.2		40 - 140	58%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1910-01	Acq On:	30 Apr 2025 15:13
Client Sample ID:	MOO-25-0123-27	Operator:	YP\AJ
Data file:	FE053587.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.114	6.756	564286	4.072	300	ug/ml
Aliphatic C12-C16	6.757	10.205	2790915	19.681	200	ug/ml
Aliphatic C16-C21	10.206	13.580	36162157	248.77	300	ug/ml
Aliphatic C21-C28	13.581	17.248	7099812	49.937	400	ug/ml
Aliphatic C28-C40	17.249	22.137	7817937	60.581	600	ug/ml
Aliphatic EPH	3.114	22.137	54435107	383.042		ug/ml
ortho-Terphenyl (SURR)	11.868	11.868	5264897	29.19		ug/ml
1-chlorooctadecane (SURR)	13.312	13.312	4043153	29.91		ug/ml
Aliphatic C9-C28	3.114	17.248	46617170	322.46	1200	ug/ml