

Report of Analysis

Client:	PSEG	Date Collected:	07/21/25
Project:	Moorestown HQ	Date Received:	07/21/25
Client Sample ID:	MOO-25-0218	SDG No.:	Q2660
Lab Sample ID:	Q2660-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	5.03	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
07/22/25 10:30	07/23/25 12:21	PB168949

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	3070		50	351	596	mg/kg FE054984.D
Aliphatic C9-C28	Aliphatic C9-C28	119000		500	2710	11900	mg/kg FE054985.D
Total AliphaticEPH	Total AliphaticEPH	122000			3060	12500	mg/kg
Total EPH	Total EPH	122000			3060	12500	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054972.D	10	07/22/25	07/22/25	PB168949

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	92400	E	54.3	239	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2870	E	70.4	119	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	0.00		40 - 140	0%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2660-03	Acq On:	22 Jul 2025 21:16
Client Sample ID:	MOO-25-0218	Operator:	YP\AJ
Data file:	FE054972.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.960	21687805	159.405	300	ug/ml
Aliphatic C12-C16	6.961	10.412	694336437	4940	200	ug/ml
Aliphatic C16-C21	10.413	13.791	1871604865	13000	300	ug/ml
Aliphatic C21-C28	13.792	17.461	750032940	5190	400	ug/ml
Aliphatic C28-C40	17.462	22.488	100094528	721.935	600	ug/ml
Aliphatic EPH	3.325	22.488	3437756575	24000		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	0.000	0.000	0	0		ug/ml
Aliphatic C9-C28	3.325	17.461	3337662047	23200	1200	ug/ml