

Report of Analysis

Client:	PSEG	Date Collected:	08/13/25
Project:	Moorestown HQ	Date Received:	08/13/25
Client Sample ID:	MOO-25-0226	SDG No.:	Q2844
Lab Sample ID:	Q2844-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	5.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/14/25 09:50	08/15/25 18:25	PB169246

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	13000		100	706	1200	mg/kg FE055334.D
Aliphatic C9-C28	Aliphatic C9-C28	11900		100	545	2390	mg/kg FE055334.D
Total AliphaticEPH	Total AliphaticEPH	25000			1250	3590	mg/kg
Total EPH	Total EPH	25000			1250	3590	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
FE055312.D	10	08/14/25	08/14/25	PB169246

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	10100	E	54.5	240	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	13200	E	70.7	119	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	13.3		40 - 140	267%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	4.32		40 - 140	86%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2844-09	Acq On:	14 Aug 2025 21:34
Client Sample ID:	MOO-25-0226	Operator:	YP\AJ
Data file:	FE055312.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.959	7760097	66.449	300	ug/ml
Aliphatic C12-C16	6.960	10.413	6107281	48.77	200	ug/ml
Aliphatic C16-C21	10.414	13.792	13181156	104.277	300	ug/ml
Aliphatic C21-C28	13.793	17.465	277568843	2300	400	ug/ml
Aliphatic C28-C40	17.466	22.492	377144095	3310	600	ug/ml
Aliphatic EPH	3.325	22.492	681761472	5830		ug/ml
ortho-Terphenyl (SURR)	12.084	12.084	616783	4.32		ug/ml
1-chlorooctadecane (SURR)	13.508	13.508	1434474	13.34		ug/ml
Aliphatic C9-C28	3.325	17.465	304617377	2520	1200	ug/ml