

Report of Analysis

Client:	PSEG	Date Collected:	08/13/25
Project:	Moorestown HQ	Date Received:	08/13/25
Client Sample ID:	MOO-25-0224-0225	SDG No.:	Q2844
Lab Sample ID:	Q2844-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.2
Sample Wt/Vol:	30.03 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 15:53	PB169246

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	82.3		5	6.46	11.0	mg/kg	FE055329.D
Aliphatic C9-C28	Aliphatic C9-C28	8450		200	199	876	mg/kg	FE055330.D
Total AliphaticEPH	Total AliphaticEPH	8530			206	887	mg/kg	
Total EPH	Total EPH	8530			206	887	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

Report of Analysis

Client:	PSEG	Date Collected:	08/13/25
Project:	Moorestown HQ	Date Received:	08/13/25
Client Sample ID:	MOO-25-0224-0225	SDG No.:	Q2844
Lab Sample ID:	Q2844-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055304.D	1	08/14/25	08/14/25	PB169246

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	7020	E	1.00	4.39	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	83.8	E	1.29	2.19	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:	Q2844-02	Acq On:	14 Aug 2025 17:29
Client Sample ID:	MOO-25-0224-0225	Operator:	YP\AJ
Data file:	FE055304.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.959	15472002	132.486	300	ug/ml
Aliphatic C12-C16	6.960	10.413	1458941629	11700	200	ug/ml
Aliphatic C16-C21	10.414	13.792	7615366108	60200	300	ug/ml
Aliphatic C21-C28	13.793	17.465	2913775441	24200	400	ug/ml
Aliphatic C28-C40	17.466	22.492	130804489	1150	600	ug/ml
Aliphatic EPH	3.325	22.492	12134359669	97400		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	17.465	12003555180	96300	1200	ug/ml