

Report of Analysis

Client:	PSEG	Date Collected:	08/13/25
Project:	Moorestown HQ	Date Received:	08/13/25
Client Sample ID:	MOO-25-0228	SDG No.:	Q2844
Lab Sample ID:	Q2844-11	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	5.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
08/14/25 09:50	08/14/25 21:04	PB169246

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	749		10	70.0	118	mg/kg FE055311.D
Aliphatic C9-C28	Aliphatic C9-C28	342		1	5.39	23.7	mg/kg FE055327.D
Total AliphaticEPH	Total AliphaticEPH	1090			75.4	142	mg/kg
Total EPH	Total EPH	1090			75.4	142	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
FE055327.D	1	08/14/25	08/15/25	PB169246

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	342		5.39	23.7	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	771	E	7.00	11.9	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.8		40 - 140	68%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.7		40 - 140	61%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2844-11	Acq On:	15 Aug 2025 14:52
Client Sample ID:	MOO-25-0228	Operator:	YP\AJ
Data file:	FE055327.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.321	6.954	2654426	22.73	300	ug/ml
Aliphatic C12-C16	6.955	10.407	22000271	175.683	200	ug/ml
Aliphatic C16-C21	10.408	13.785	36986706	292.605	300	ug/ml
Aliphatic C21-C28	13.786	17.458	45662014	378.92	400	ug/ml
Aliphatic C28-C40	17.459	22.482	222352773	1950	600	ug/ml
Aliphatic EPH	3.321	22.482	329656190	2820		ug/ml
ortho-Terphenyl (SURR)	12.083	12.083	4388982	30.73		ug/ml
1-chlorooctadecane (SURR)	13.520	13.520	3635771	33.81		ug/ml
Aliphatic C9-C28	3.321	17.458	107303417	869.938	1200	ug/ml