

Report of Analysis

Client:	PSEG	Date Collected:	07/10/25
Project:	Moorestown	Date Received:	07/10/25
Client Sample ID:	MOO-25-0196	SDG No.:	Q2565
Lab Sample ID:	Q2565-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	75.9
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
07/11/25 09:20	07/14/25 14:56	PB168812

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	5210		100	927	1570	mg/kg FE054844.D
Aliphatic C9-C28	Aliphatic C9-C28	18300		100	714	3140	mg/kg FE054844.D
Total AliphaticEPH	Total AliphaticEPH	23500			1640	4710	mg/kg
Total EPH	Total EPH	23500			1640	4710	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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Sample Wt/Vol:	5.03 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
FE054822.D	1	07/11/25	07/11/25	PB168812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	16600	E	7.14	31.5	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5840	E	9.27	15.7	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:	Q2565-04	Acq On:	11 Jul 2025 20:55
Client Sample ID:	MOO-25-0196	Operator:	YP\AJ
Data file:	FE054822.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.321	6.954	143299189	1050	300	ug/ml
Aliphatic C12-C16	6.955	10.407	965616356	6870	200	ug/ml
Aliphatic C16-C21	10.408	13.785	1622723816	11200	300	ug/ml
Aliphatic C21-C28	13.786	17.455	1819173724	12600	400	ug/ml
Aliphatic C28-C40	17.456	22.481	1545993959	11200	600	ug/ml
Aliphatic EPH	3.321	22.481	6096807044	42900		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	3.321	17.455	4550813085	31700	1200	ug/ml