

Report of Analysis

Client:	PSEG	Date Collected:	07/08/25
Project:	Moorestown	Date Received:	07/08/25
Client Sample ID:	MOO-25-0190	SDG No.:	Q2523
Lab Sample ID:	Q2523-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	96.6
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
07/09/25 09:30	07/09/25 19:26	PB168768

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	59.2		10	12.2	20.7	mg/kg FE054766.D
Aliphatic C9-C28	Aliphatic C9-C28	9460		200	188	824	mg/kg FE054777.D
Total AliphaticEPH	Total AliphaticEPH	9520			200	845	mg/kg
Total EPH	Total EPH	9520			200	845	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054766.D	10	07/09/25	07/09/25	PB168768

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	8460	E	9.41	41.3	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	59.2		12.2	20.7	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:	Q2523-01	Acq On:	09 Jul 2025 19:26
Client Sample ID:	MOO-25-0190	Operator:	YP\AJ
Data file:	FE054766.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	10	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.321	6.954	502880	3.696	300	ug/ml
Aliphatic C12-C16	6.955	10.406	110761707	787.957	200	ug/ml
Aliphatic C16-C21	10.407	13.784	1238509581	8580	300	ug/ml
Aliphatic C21-C28	13.785	17.454	419725375	2900	400	ug/ml
Aliphatic C28-C40	17.455	22.477	11904475	85.861	600	ug/ml
Aliphatic EPH	3.321	22.477	1781404018	12400		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	17.454	1769499543	12300	1200	ug/ml