

Report of Analysis

Client:	PSEG	Date Collected:	07/10/25
Project:	Moorestown	Date Received:	07/10/25
Client Sample ID:	MOO-25-0191	SDG No.:	Q2565
Lab Sample ID:	Q2565-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	5.07	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
07/11/25 09:20	07/14/25 14:25	PB168812

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	695		10	69.8	118	mg/kg FE054843.D
Aliphatic C9-C28	Aliphatic C9-C28	566		10	53.9	237	mg/kg FE054843.D
Total AliphaticEPH	Total AliphaticEPH	1260			124	355	mg/kg
Total EPH	Total EPH	1260			124	355	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:	07/10/25
Project:	Moorestown	Date Received:	07/10/25
Client Sample ID:	MOO-25-0191	SDG No.:	Q2565
Lab Sample ID:	Q2565-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	5.07	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054821.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	514	E	5.39	23.7	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	761	E	6.98	11.8	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.8		40 - 140	88%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.6		40 - 140	83%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2565-03	Acq On:	11 Jul 2025 20:24
Client Sample ID:	MOO-25-0191	Operator:	YP\AJ
Data file:	FE054821.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.321	6.954	2642740	19.424	300	ug/ml
Aliphatic C12-C16	6.955	10.407	29410777	209.228	200	ug/ml
Aliphatic C16-C21	10.408	13.785	67222683	465.552	300	ug/ml
Aliphatic C21-C28	13.786	17.455	88619093	612.638	400	ug/ml
Aliphatic C28-C40	17.456	22.481	267699462	1930	600	ug/ml
Aliphatic EPH	3.321	22.481	455594755	3240		ug/ml
ortho-Terphenyl (SURR)	12.083	12.083	6763221	41.65		ug/ml
1-chlorooctadecane (SURR)	13.520	13.520	5524796	43.75		ug/ml
Aliphatic C9-C28	3.321	17.455	187895293	1310	1200	ug/ml