

Report of Analysis

Client:	PSEG	Date Collected:	09/10/25
Project:	Moorestown HQ	Date Received:	09/10/25
Client Sample ID:	MOO-25-0141	SDG No.:	Q3074
Lab Sample ID:	Q3074-01	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
09/11/25 10:00	09/12/25 9:16	PB169650

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	1110		10	70.0	118	mg/kg FE055791.D
Aliphatic C9-C28	Aliphatic C9-C28	3140		10	53.9	237	mg/kg FE055791.D
Total AliphaticEPH	Total AliphaticEPH	4250			124	355	mg/kg
Total EPH	Total EPH	4250			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

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Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055776.D	1	09/11/25	09/11/25	PB169650

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2860	E	5.39	23.7	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	889	E	7.00	11.9	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	51.0		40 - 140	102%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	56.2		40 - 140	112%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3074-01	Acq On:	11 Sep 2025 18:42
Client Sample ID:	MOO-25-0141	Operator:	YP\AJ
Data file:	FE055776.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.313	6.946	1038414	8.087	300	ug/ml
Aliphatic C12-C16	6.947	10.398	15511327	114.818	200	ug/ml
Aliphatic C16-C21	10.399	13.776	701792586	4870	300	ug/ml
Aliphatic C21-C28	13.777	17.448	321520695	2240	400	ug/ml
Aliphatic C28-C40	17.449	22.459	309816897	2250	600	ug/ml
Aliphatic EPH	3.313	22.459	1349679919	9480		ug/ml
ortho-Terphenyl (SURR)	12.084	12.084	9227468	56.17		ug/ml
1-chlorooctadecane (SURR)	13.524	13.524	6373427	50.97		ug/ml
Aliphatic C9-C28	3.313	17.448	1039863022	7230	1200	ug/ml