

Report of Analysis

Client:	PSEG	Date Collected:	06/10/25
Project:	Moorestown	Date Received:	06/10/25
Client Sample ID:	PAD-061025	SDG No.:	Q2283
Lab Sample ID:	Q2283-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/11/25 10:05	06/11/25 20:23	PB168413

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.17		1	1.18	2.00	mg/kg	FE054318.D
Aliphatic C9-C28	Aliphatic C9-C28	5.44		1	0.91	3.99	mg/kg	FE054318.D
Total AliphaticEPH	Total AliphaticEPH	9.61			2.09	5.99	mg/kg	
Total EPH	Total EPH	9.61			2.09	5.99	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:	06/10/25
Project:	Moorestown	Date Received:	06/10/25
Client Sample ID:	PAD-061025	SDG No.:	Q2283
Lab Sample ID:	Q2283-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.04 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
FE054318.D	1	06/11/25	06/11/25	PB168413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.44		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.17		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.9		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.0		40 - 140	76%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2283-03	Acq On:	11 Jun 2025 20:23
Client Sample ID:	PAD-061025	Operator:	YP\AJ
Data file:	FE054318.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.078	6.723	1497904	11.959	300	ug/ml
Aliphatic C12-C16	6.724	10.169	2944590	22.452	200	ug/ml
Aliphatic C16-C21	10.170	13.542	2576682	19.24	300	ug/ml
Aliphatic C21-C28	13.543	17.208	3574730	28.132	400	ug/ml
Aliphatic C28-C40	17.209	22.074	8027236	62.593	600	ug/ml
Aliphatic EPH	3.078	22.074	18621142	144.375		ug/ml
ortho-Terphenyl (SURR)	11.830	11.830	6275137	37.98		ug/ml
1-chlorooctadecane (SURR)	13.274	13.274	5107393	41.88		ug/ml
Aliphatic C9-C28	3.078	17.208	10593906	81.783	1200	ug/ml