

Report of Analysis

Client:	PSEG	Date Collected:	10/01/25
Project:	Moorestown HQ	Date Received:	10/01/25
Client Sample ID:	PAD-100125	SDG No.:	Q3262
Lab Sample ID:	Q3262-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
10/03/25 09:40	10/03/25 15:46	PB169970

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	9.89		1	1.18	2.00	mg/kg	FE056167.D
Aliphatic C9-C28	Aliphatic C9-C28	11.4		1	0.91	3.99	mg/kg	FE056167.D
Total AliphaticEPH	Total AliphaticEPH	21.3			2.09	5.99	mg/kg	
Total EPH	Total EPH	21.3			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

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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE056167.D	1	10/03/25	10/03/25	PB169970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	11.4		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.89		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.4		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.5		40 - 140	71%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3262-01	Acq On:	03 Oct 2025 15:46
Client Sample ID:	PAD-100125	Operator:	YP\AJ
Data file:	FE056167.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.944	342837	2.448	300	ug/ml
Aliphatic C12-C16	6.945	10.393	631470	4.117	200	ug/ml
Aliphatic C16-C21	10.394	13.770	7516296	45.312	300	ug/ml
Aliphatic C21-C28	13.771	17.439	17800908	119.85	400	ug/ml
Aliphatic C28-C40	17.440	22.443	20255083	148.659	600	ug/ml
Aliphatic EPH	3.311	22.443	46546594	320.386		ug/ml
ortho-Terphenyl (SURR)	12.070	12.070	6652397	35.45		ug/ml
1-chlorooctadecane (SURR)	13.506	13.506	5220658	37.41		ug/ml
Aliphatic C9-C28	3.311	17.439	26291511	171.727	1200	ug/ml