

Report of Analysis

Client:	PSEG	Date Collected:	08/13/25
Project:	Moorestown HQ	Date Received:	08/13/25
Client Sample ID:	PAD-081325	SDG No.:	Q2844
Lab Sample ID:	Q2844-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93
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
08/14/25 09:50	08/14/25 16:59	PB169246

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	25.3		1	1.27	2.15	mg/kg	FE055303.D
Aliphatic C9-C28	Aliphatic C9-C28	121		5	4.88	21.5	mg/kg	FE055328.D
Total AliphaticEPH	Total AliphaticEPH	147			6.15	23.6	mg/kg	
Total EPH	Total EPH	147			6.15	23.6	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
FE055303.D	1	08/14/25	08/14/25	PB169246

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	128	E	0.98	4.29	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	25.3		1.27	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.6		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.4		40 - 140	71%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2844-01	Acq On:	14 Aug 2025 16:59
Client Sample ID:	PAD-081325	Operator:	YP\AJ
Data file:	FE055303.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	3.325	6.959	1300923	11.14	300	ug/ml
Aliphatic C12-C16	6.960	10.413	17716057	141.471	200	ug/ml
Aliphatic C16-C21	10.414	13.792	153932725	1220	300	ug/ml
Aliphatic C21-C28	13.793	17.465	50117511	415.893	400	ug/ml
Aliphatic C28-C40	17.466	22.492	40384897	354.293	600	ug/ml
Aliphatic EPH	3.325	22.492	263452113	2140		ug/ml
ortho-Terphenyl (SURR)	12.088	12.088	5051088	35.37		ug/ml
1-chlorooctadecane (SURR)	13.526	13.526	4047565	37.64		ug/ml
Aliphatic C9-C28	3.325	17.465	223067216	1790	1200	ug/ml