

Report of Analysis

Client:	PSEG	Date Collected:	08/28/25
Project:	Moorestown HQ	Date Received:	08/28/25
Client Sample ID:	PAD-082825	SDG No.:	Q2982
Lab Sample ID:	Q2982-08	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
08/29/25 09:45	08/29/25 19:37	PB169462

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	12.6		1	1.18	1.99	mg/kg	FE055606.D
Aliphatic C9-C28	Aliphatic C9-C28	3.00	J	1	0.91	3.99	mg/kg	FE055606.D
Total AliphaticEPH	Total AliphaticEPH	15.6			2.09	5.98	mg/kg	
Total EPH	Total EPH	15.6			2.09	5.98	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 :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055606.D	1	08/29/25	08/29/25	PB169462

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.00	J	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	12.6		1.18	1.99	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.8		40 - 140	68%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.5		40 - 140	65%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2982-08	Acq On:	29 Aug 2025 19:37
Client Sample ID:	PAD-082825	Operator:	YP\AJ
Data file:	FE055606.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.313	6.947	384706	2.996	300	ug/ml
Aliphatic C12-C16	6.948	10.399	1051679	7.785	200	ug/ml
Aliphatic C16-C21	10.400	13.777	3608639	25.022	300	ug/ml
Aliphatic C21-C28	13.778	17.448	1351488	9.435	400	ug/ml
Aliphatic C28-C40	17.449	22.462	26088123	189.429	600	ug/ml
Aliphatic EPH	3.313	22.462	32484635	234.668		ug/ml
ortho-Terphenyl (SURR)	12.078	12.078	5331448	32.45		ug/ml
1-chlorooctadecane (SURR)	13.515	13.515	4229382	33.82		ug/ml
Aliphatic C9-C28	3.313	17.448	6396512	45.238	1200	ug/ml