

Report of Analysis

Client:	PSEG	Date Collected:	10/01/25
Project:	Moorestown HQ	Date Received:	10/01/25
Client Sample ID:	279887	SDG No.:	Q3262
Lab Sample ID:	Q3262-08	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.4
Sample Wt/Vol:	30.05	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	10/06/25 9:53	PB169970

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	80.7		5	6.74	11.4	mg/kg FE056194.D
Aliphatic C9-C28	Aliphatic C9-C28	8850		100	104	456	mg/kg FE056195.D
Total AliphaticEPH	Total AliphaticEPH	8930			111	468	mg/kg
Total EPH	Total EPH	8930			111	468	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE056168.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	8000	E	1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	71.3	E	1.35	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	0.00		40 - 140	0%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3262-08	Acq On:	03 Oct 2025 16:16
Client Sample ID:	279887	Operator:	YP\AJ
Data file:	FE056168.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.944	3941864	28.151	300	ug/ml
Aliphatic C12-C16	6.945	10.393	993485541	6480	200	ug/ml
Aliphatic C16-C21	10.394	13.770	11515966610	69400	300	ug/ml
Aliphatic C21-C28	13.771	17.439	4333683665	29200	400	ug/ml
Aliphatic C28-C40	17.440	22.443	127607008	936.552	600	ug/ml
Aliphatic EPH	3.311	22.443	16974684688	106000		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	0.000	0.000	0	0		ug/ml
Aliphatic C9-C28	3.311	17.439	16847077680	105000	1200	ug/ml