

Report of Analysis

Client:	PSEG	Date Collected:	10/01/25
Project:	Moorestown HQ	Date Received:	10/01/25
Client Sample ID:	MOO-25-0280	SDG No.:	Q3262
Lab Sample ID:	Q3262-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	53.3
Sample Wt/Vol:	30.08	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	10/07/25 1:09	PB169970

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	150		5	11.0	18.7	mg/kg FE056218.D
Aliphatic C9-C28	Aliphatic C9-C28	545		5	8.52	37.5	mg/kg FE056218.D
Total AliphaticEPH	Total AliphaticEPH	695			19.5	56.2	mg/kg
Total EPH	Total EPH	695			19.5	56.2	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
FE056188.D	1	10/03/25	10/04/25	PB169970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	572	E	1.70	7.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	132	E	2.21	3.74	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.3		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.3		40 - 140	63%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3262-02	Acq On:	04 Oct 2025 03:27
Client Sample ID:	MOO-25-0280	Operator:	YP\AJ
Data file:	FE056188.D	Misc:	
Instrument:	FID_E	ALS Vial:	33
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.944	1063464	7.595	300	ug/ml
Aliphatic C12-C16	6.945	10.393	3507184	22.867	200	ug/ml
Aliphatic C16-C21	10.394	13.770	156330145	942.431	300	ug/ml
Aliphatic C21-C28	13.771	17.439	537828967	3620	400	ug/ml
Aliphatic C28-C40	17.440	22.443	144436852	1060	600	ug/ml
Aliphatic EPH	3.311	22.443	843166612	5650		ug/ml
ortho-Terphenyl (SURR)	12.071	12.071	5872086	31.29		ug/ml
1-chlorooctadecane (SURR)	13.510	13.510	4647934	33.3		ug/ml
Aliphatic C9-C28	3.311	17.439	698729760	4590	1200	ug/ml