

Report of Analysis

Client:	PSEG	Date Collected:	10/01/25
Project:	Moorestown HQ	Date Received:	10/01/25
Client Sample ID:	MOO-25-0281-82	SDG No.:	Q3262
Lab Sample ID:	Q3262-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	63.7
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/03/25 09:40	10/07/25 0:08	PB169970

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5950		100	184	313	mg/kg	FE056216.D
Aliphatic C9-C28	Aliphatic C9-C28	21700		500	711	3130	mg/kg	FE056217.D
Total AliphaticEPH	Total AliphaticEPH	27700			895	3450	mg/kg	
Total EPH	Total EPH	27700			895	3450	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
FE056187.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	19900	E	1.43	6.27	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5330	E	1.85	3.13	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:	Q3262-05	Acq On:	04 Oct 2025 02:57
Client Sample ID:	MOO-25-0281-82	Operator:	YP\AJ
Data file:	FE056187.D	Misc:	
Instrument:	FID_E	ALS Vial:	32
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.944	16027028	114.456	300	ug/ml
Aliphatic C12-C16	6.945	10.393	78138266	509.454	200	ug/ml
Aliphatic C16-C21	10.394	13.770	1595232627	9620	300	ug/ml
Aliphatic C21-C28	13.771	17.439	26741749203	180000	400	ug/ml
Aliphatic C28-C40	17.440	22.443	6953767997	51000	600	ug/ml
Aliphatic EPH	3.311	22.443	35384915121	241000		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	28431147124	190000	1200	ug/ml