

Report of Analysis

Client:	PSEG	Date Collected:	06/10/25
Project:	Moorestown	Date Received:	06/10/25
Client Sample ID:	MOO-25-0166-MOO-25-0167-E2	SDG No.:	Q2283
Lab Sample ID:	Q2283-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/11/25 10:05	06/12/25 15:11	PB168413

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	51.7		5	6.78	11.5	mg/kg	FE054340.D
Aliphatic C9-C28	Aliphatic C9-C28	3900		50	52.3	230	mg/kg	FE054341.D
Total AliphaticEPH	Total AliphaticEPH	3960			59.1	242	mg/kg	
Total EPH	Total EPH	3960			59.1	242	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
FE054317.D	1	06/11/25	06/11/25	PB168413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3240	E	1.04	4.60	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	60.4	E	1.36	2.30	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.7		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	66.8		40 - 140	134%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2283-02	Acq On:	11 Jun 2025 19:53
Client Sample ID:	MOO-25-0166-MOO-25-01	Operator:	YP\AJ
Data file:	FE054317.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	3.078	6.723	6800046	54.29	300	ug/ml
Aliphatic C12-C16	6.724	10.169	635039771	4840	200	ug/ml
Aliphatic C16-C21	10.170	13.542	3627198152	27100	300	ug/ml
Aliphatic C21-C28	13.543	17.208	1313669261	10300	400	ug/ml
Aliphatic C28-C40	17.209	22.074	101088026	788.239	600	ug/ml
Aliphatic EPH	3.078	22.074	5683795256	43200		ug/ml
ortho-Terphenyl (SURR)	11.867	11.867	11046789	66.85		ug/ml
1-chlorooctadecane (SURR)	13.249	13.249	3985717	32.68		ug/ml
Aliphatic C9-C28	3.078	17.208	5582707230	42300	1200	ug/ml