

Report of Analysis

Client:	PSEG	Date Collected:	06/23/25
Project:	Moorestown	Date Received:	06/23/25
Client Sample ID:	M00-25-0179	SDG No.:	Q2398
Lab Sample ID:	Q2398-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	64
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/25/25 09:15	06/26/25 10:00	PB168609

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	2420		100	183	311	mg/kg FE054599.D
Aliphatic C9-C28	Aliphatic C9-C28	144		2	2.83	12.5	mg/kg FE054598.D
Total AliphaticEPH	Total AliphaticEPH	2560			186	323	mg/kg
Total EPH	Total EPH	2560			186	323	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
FE054586.D	1	06/25/25	06/25/25	PB168609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	137	E	1.42	6.24	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2430	E	1.84	3.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.1		40 - 140	52%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.8		40 - 140	56%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2398-03	Acq On:	25 Jun 2025 20:53
Client Sample ID:	M00-25-0179	Operator:	YP\AJ
Data file:	FE054586.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.071	6.716	2095555	16.73	300	ug/ml
Aliphatic C12-C16	6.717	10.163	5062534	38.601	200	ug/ml
Aliphatic C16-C21	10.164	13.535	29178942	217.874	300	ug/ml
Aliphatic C21-C28	13.536	17.204	134111630	1060	400	ug/ml
Aliphatic C28-C40	17.205	22.072	3004799529	23400	600	ug/ml
Aliphatic EPH	3.071	22.072	3175248190	24800		ug/ml
ortho-Terphenyl (SURR)	11.823	11.823	4592075	27.79		ug/ml
1-chlorooctadecane (SURR)	13.270	13.270	3182351	26.1		ug/ml
Aliphatic C9-C28	3.071	17.204	170448661	1330	1200	ug/ml