

Report of Analysis

Client:	PSEG	Date Collected:	05/28/25
Project:	Moorestown	Date Received:	05/28/25
Client Sample ID:	MOO-25-0151	SDG No.:	Q2137
Lab Sample ID:	Q2137-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	5.05	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
05/29/25 09:15	05/30/25 11:31	PB168197

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	25500		250	1750	2970	mg/kg FE054093.D
Aliphatic C9-C28	Aliphatic C9-C28	55700		250	1350	5940	mg/kg FE054093.D
Total AliphaticEPH	Total AliphaticEPH	81200			3100	8910	mg/kg
Total EPH	Total EPH	81200			3100	8910	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
FE054083.D	5	05/29/25	05/29/25	PB168197

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	46900	E	27.0	119	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	29000	E	35.0	59.4	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.9		40 - 140	309%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	10.3		40 - 140	103%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2137-01	Acq On:	29 May 2025 21:06
Client Sample ID:	MOO-25-0151	Operator:	YP\AJ
Data file:	FE054083.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	5	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.088	6.732	43036345	317.463	300	ug/ml
Aliphatic C12-C16	6.733	10.179	145723602	1080	200	ug/ml
Aliphatic C16-C21	10.180	13.553	133631590	1010	300	ug/ml
Aliphatic C21-C28	13.554	17.219	2644704584	21300	400	ug/ml
Aliphatic C28-C40	17.220	22.092	1687948907	14600	600	ug/ml
Aliphatic EPH	3.088	22.092	4655045028	38300		ug/ml
ortho-Terphenyl (SURR)	11.844	11.844	1667137	10.26		ug/ml
1-chlorooctadecane (SURR)	13.302	13.302	3661181	30.88		ug/ml
Aliphatic C9-C28	3.088	17.219	2967096121	23800	1200	ug/ml