

Report of Analysis

Client:	PSEG	Date Collected:	07/08/25
Project:	Moorestown	Date Received:	07/08/25
Client Sample ID:	PAD-070825-1	SDG No.:	Q2523
Lab Sample ID:	Q2523-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
07/09/25 09:30	07/09/25 16:23	PB168768

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	6.29		1	1.18	2.00	mg/kg FE054760.D
Aliphatic C9-C28	Aliphatic C9-C28	338		10	9.09	39.9	mg/kg FE054797.D
Total AliphaticEPH	Total AliphaticEPH	344			10.3	41.9	mg/kg
Total EPH	Total EPH	344			10.3	41.9	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054760.D	1	07/09/25	07/09/25	PB168768

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	351	E	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.29		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.6		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.3		40 - 140	67%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2523-02	Acq On:	09 Jul 2025 16:23
Client Sample ID:	PAD-070825-1	Operator:	YP\AJ
Data file:	FE054760.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	3.321	6.954	828877	6.092	300	ug/ml
Aliphatic C12-C16	6.955	10.406	31213171	222.05	200	ug/ml
Aliphatic C16-C21	10.407	13.784	476705792	3300	300	ug/ml
Aliphatic C21-C28	13.785	17.454	254432101	1760	400	ug/ml
Aliphatic C28-C40	17.455	22.477	13085423	94.379	600	ug/ml
Aliphatic EPH	3.321	22.477	776265364	5380		ug/ml
ortho-Terphenyl (SURR)	12.088	12.088	5404608	33.28		ug/ml
1-chlorooctadecane (SURR)	13.526	13.526	4752238	37.63		ug/ml
Aliphatic C9-C28	3.321	17.454	763179941	5290	1200	ug/ml