

Report of Analysis

Client:	PSEG	Date Collected:	08/06/25
Project:	PSEG Metro Way	Date Received:	08/06/25
Client Sample ID:	TP-5-EPH	SDG No.:	Q2779
Lab Sample ID:	Q2779-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.1
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
08/07/25 09:25	08/07/25 17:57	PB169156

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	26.5		1	1.37	2.32	mg/kg FE055183.D
Aliphatic C9-C28	Aliphatic C9-C28	19.8		1	1.05	4.63	mg/kg FE055183.D
Total AliphaticEPH	Total AliphaticEPH	46.3			2.42	6.95	mg/kg
Total EPH	Total EPH	46.3			2.42	6.95	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
FE055183.D	1	08/07/25	08/07/25	PB169156

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	19.8		1.05	4.63	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.5		1.37	2.32	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.6		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.5		40 - 140	73%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2779-06	Acq On:	07 Aug 2025 17:57
Client Sample ID:	TP-5-EPH	Operator:	YP\AJ
Data file:	FE055183.D	Misc:	
Instrument:	FID_E	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.324	6.957	568012	4.864	300	ug/ml
Aliphatic C12-C16	6.958	10.409	2186833	17.463	200	ug/ml
Aliphatic C16-C21	10.410	13.787	10919553	86.386	300	ug/ml
Aliphatic C21-C28	13.788	17.458	17796614	147.683	400	ug/ml
Aliphatic C28-C40	17.459	22.480	39104142	343.057	600	ug/ml
Aliphatic EPH	3.324	22.480	70575154	599.452		ug/ml
ortho-Terphenyl (SURR)	12.085	12.085	5209050	36.48		ug/ml
1-chlorooctadecane (SURR)	13.522	13.522	4476389	41.63		ug/ml
Aliphatic C9-C28	3.324	17.458	31471012	256.396	1200	ug/ml