

Report of Analysis

Client:	PSEG	Date Collected:	08/06/25
Project:	PSEG Metro Way	Date Received:	08/06/25
Client Sample ID:	TP-5	SDG No.:	Q2779
Lab Sample ID:	Q2779-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.5
Sample Wt/Vol:	30.09	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 17:27	PB169156

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	26.5		1	1.34	2.28	mg/kg
Aliphatic C9-C28	Aliphatic C9-C28	19.7		1	1.04	4.56	mg/kg
Total AliphaticEPH	Total AliphaticEPH	46.2			2.38	6.84	mg/kg
Total EPH	Total EPH	46.2			2.38	6.84	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 :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055182.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	19.7		1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.5		1.34	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.9		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.6		40 - 140	67%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2779-05	Acq On:	07 Aug 2025 17:27
Client Sample ID:	TP-5	Operator:	YP\AJ
Data file:	FE055182.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.324	6.957	718085	6.149	300	ug/ml
Aliphatic C12-C16	6.958	10.409	2814750	22.477	200	ug/ml
Aliphatic C16-C21	10.410	13.787	11770394	93.117	300	ug/ml
Aliphatic C21-C28	13.788	17.458	16625280	137.963	400	ug/ml
Aliphatic C28-C40	17.459	22.480	39692236	348.217	600	ug/ml
Aliphatic EPH	3.324	22.480	71620745	607.922		ug/ml
ortho-Terphenyl (SURR)	12.085	12.085	4793689	33.57		ug/ml
1-chlorooctadecane (SURR)	13.521	13.521	4078656	37.93		ug/ml
Aliphatic C9-C28	3.324	17.458	31928509	259.706	1200	ug/ml