

Report of Analysis

Client:	PSEG	Date Collected:	08/04/25
Project:	PSEG Metro Way	Date Received:	08/04/25
Client Sample ID:	TP-2 EPH	SDG No.:	Q2763
Lab Sample ID:	Q2763-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.7
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
08/05/25 09:20	08/05/25 19:26	PB169120

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	40.5		1	1.39	2.36	mg/kg FE055139.D
Aliphatic C9-C28	Aliphatic C9-C28	16.3		1	1.07	4.72	mg/kg FE055139.D
Total AliphaticEPH	Total AliphaticEPH	56.8			2.46	7.08	mg/kg
Total EPH	Total EPH	56.8			2.46	7.08	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
FE055139.D	1	08/05/25	08/05/25	PB169120

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	16.3		1.07	4.72	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	40.5		1.39	2.36	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.3		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.5		40 - 140	63%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2763-02	Acq On:	05 Aug 2025 19:26
Client Sample ID:	TP-2 EPH	Operator:	YP\AJ
Data file:	FE055139.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.958	1537935	13.169	300	ug/ml
Aliphatic C12-C16	6.959	10.410	1679392	13.411	200	ug/ml
Aliphatic C16-C21	10.411	13.789	5919885	46.833	300	ug/ml
Aliphatic C21-C28	13.790	17.459	16119476	133.765	400	ug/ml
Aliphatic C28-C40	17.460	22.481	58697037	514.944	600	ug/ml
Aliphatic EPH	3.325	22.481	83953725	722.122		ug/ml
ortho-Terphenyl (SURR)	12.086	12.086	4495374	31.48		ug/ml
1-chlorooctadecane (SURR)	13.523	13.523	3576728	33.26		ug/ml
Aliphatic C9-C28	3.325	17.459	25256688	207.178	1200	ug/ml