

Report of Analysis

Client:	PSEG	Date Collected:	08/05/25
Project:	PSEG Metro Way	Date Received:	08/05/25
Client Sample ID:	TP-1-EPH	SDG No.:	Q2780
Lab Sample ID:	Q2780-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83
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
08/06/25 09:25	08/07/25 10:08	PB169139

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	46.5		2	2.84	4.81	mg/kg FC069597.D
Aliphatic C9-C28	Aliphatic C9-C28	32.5		1	1.09	4.80	mg/kg FC069590.D
Total AliphaticEPH	Total AliphaticEPH	79.0			3.93	9.61	mg/kg
Total EPH	Total EPH	79.0			3.93	9.61	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
FC069590.D	1	08/06/25	08/06/25	PB169139

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	32.5		1.09	4.80	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	50.0	E	1.42	2.41	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.3		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.5		40 - 140	59%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2780-06	Acq On:	06 Aug 2025 20:55
Client Sample ID:	TP-1-EPH	Operator:	YP/AJ
Data file:	FC069590.D	Misc:	
Instrument:	FID_C	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.297	6.596	2460681	17.008	300	ug/ml
Aliphatic C12-C16	6.597	10.001	6844076	47.715	200	ug/ml
Aliphatic C16-C21	10.002	13.370	17089589	127.953	300	ug/ml
Aliphatic C21-C28	13.371	17.036	25039783	211.649	400	ug/ml
Aliphatic C28-C40	17.037	22.012	59358480	622.76	600	ug/ml
Aliphatic EPH	3.297	22.012	110792609	1030		ug/ml
ortho-Terphenyl (SURR)	11.671	11.671	4406061	29.53		ug/ml
1-chlorooctadecane (SURR)	13.106	13.106	3626346	33.26		ug/ml
Aliphatic C9-C28	3.297	17.036	51434129	404.325	1200	ug/ml