

Report of Analysis

Client:	PSEG	Date Collected:	08/05/25
Project:	PSEG Metro Way	Date Received:	08/05/25
Client Sample ID:	TP-3-EPH	SDG No.:	Q2780
Lab Sample ID:	Q2780-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.6
Sample Wt/Vol:	30.1	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	08/06/25 19:30	PB169139

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	18.8		1	1.30	2.20	mg/kg FC069588.D
Aliphatic C9-C28	Aliphatic C9-C28	19.4		1	1.00	4.40	mg/kg FC069588.D
Total AliphaticEPH	Total AliphaticEPH	38.2			2.30	6.60	mg/kg
Total EPH	Total EPH	38.2			2.30	6.60	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 :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069588.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	19.4		1.00	4.40	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	18.8		1.30	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.3		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.0		40 - 140	68%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2780-02	Acq On:	06 Aug 2025 19:30
Client Sample ID:	TP-3-EPH	Operator:	YP/AJ
Data file:	FC069588.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.297	6.596	1799580	12.438	300	ug/ml
Aliphatic C12-C16	6.597	10.001	2792556	19.469	200	ug/ml
Aliphatic C16-C21	10.002	13.370	13067193	97.837	300	ug/ml
Aliphatic C21-C28	13.371	17.036	15949788	134.816	400	ug/ml
Aliphatic C28-C40	17.037	22.012	24421042	256.213	600	ug/ml
Aliphatic EPH	3.297	22.012	58030159	520.774		ug/ml
ortho-Terphenyl (SURR)	11.670	11.670	5072498	34		ug/ml
1-chlorooctadecane (SURR)	13.106	13.106	4287959	39.33		ug/ml
Aliphatic C9-C28	3.297	17.036	33609117	264.56	1200	ug/ml