

Report of Analysis

Client:	PSEG	Date Collected:	03/31/25
Project:	26kV 40-50 Seaview Permanent OP	Date Received:	03/31/25
Client Sample ID:	TP-4-EPH	SDG No.:	Q1680
Lab Sample ID:	Q1680-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.1
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/01/25 08:30	04/01/25 19:27	PB167403

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	6.57		1	1.47	2.50	mg/kg	FE053102.D
Aliphatic C9-C28	Aliphatic C9-C28	3.98	J	1	1.14	4.99	mg/kg	FE053102.D
Total AliphaticEPH	Total AliphaticEPH	10.6			2.61	7.49	mg/kg	
Total EPH	Total EPH	10.6			2.61	7.49	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
FE053102.D	1	04/01/25	04/01/25	PB167403

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.98	J	1.14	4.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.57		1.47	2.50	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	47.4		40 - 140	95%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.7		40 - 140	87%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1680-02	Acq On:	01 Apr 2025 19:27
Client Sample ID:	TP-4-EPH	Operator:	YP\AJ
Data file:	FE053102.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.141	6.782	1464970	9.389	300	ug/ml
Aliphatic C12-C16	6.783	10.232	816965	5.318	200	ug/ml
Aliphatic C16-C21	10.233	13.609	1107757	7.675	300	ug/ml
Aliphatic C21-C28	13.610	17.278	3423177	25.48	400	ug/ml
Aliphatic C28-C40	17.279	22.189	9817514	79.01	600	ug/ml
Aliphatic EPH	3.141	22.189	16630383	126.871		ug/ml
ortho-Terphenyl (SURR)	11.894	11.894	7122848	43.73		ug/ml
1-chlorooctadecane (SURR)	13.339	13.339	5689685	47.4		ug/ml
Aliphatic C9-C28	3.141	17.278	6812869	47.862	1200	ug/ml