

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	SDG No.:	Q1680
Lab Sample ID:	Q1680-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	78.2
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
04/01/25 08:30	04/01/25 18:57	PB167403

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	4.38		1	1.51	2.55	mg/kg FE053101.D
Aliphatic C9-C28	Aliphatic C9-C28	6.94		1	1.16	5.11	mg/kg FE053101.D
Total AliphaticEPH	Total AliphaticEPH	11.3			2.67	7.66	mg/kg
Total EPH	Total EPH	11.3			2.67	7.66	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053101.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	6.94		1.16	5.11	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.38		1.51	2.55	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	45.7		40 - 140	91%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	44.3		40 - 140	89%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1680-01	Acq On:	01 Apr 2025 18:57
Client Sample ID:	TP-4	Operator:	YP\AJ
Data file:	FE053101.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.141	6.782	1498518	9.604	300	ug/ml
Aliphatic C12-C16	6.783	10.232	849597	5.53	200	ug/ml
Aliphatic C16-C21	10.233	13.609	8014100	55.523	300	ug/ml
Aliphatic C21-C28	13.610	17.278	1453235	10.817	400	ug/ml
Aliphatic C28-C40	17.279	22.189	6394717	51.464	600	ug/ml
Aliphatic EPH	3.141	22.189	18210167	132.938		ug/ml
ortho-Terphenyl (SURR)	11.895	11.895	7211182	44.27		ug/ml
1-chlorooctadecane (SURR)	13.338	13.338	5481973	45.67		ug/ml
Aliphatic C9-C28	3.141	17.278	11815450	81.474	1200	ug/ml