

Report of Analysis

Client:	PSEG	Date Collected:	03/27/25
Project:	PSEG Elizabeth- Roselle Poles	Date Received:	03/27/25
Client Sample ID:	WC-1-EPH	SDG No.:	Q1671
Lab Sample ID:	Q1671-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.9
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/28/25 08:22	03/28/25 19:08	PB167363

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.86		1	1.37	2.32	mg/kg	FE053052.D
Aliphatic C9-C28	Aliphatic C9-C28	19.1		1	1.06	4.64	mg/kg	FE053052.D
Total AliphaticEPH	Total AliphaticEPH	22.0			2.43	6.96	mg/kg	
Total EPH	Total EPH	22.0			2.43	6.96	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
FE053052.D	1	03/28/25	03/28/25	PB167363

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	19.1		1.06	4.64	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.86		1.37	2.32	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.7		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.1		40 - 140	64%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1671-02	Acq On:	28 Mar 2025 19:08
Client Sample ID:	WC-1-EPH	Operator:	YP\AJ
Data file:	FE053052.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.142	6.783	1648229	10.569	300	ug/ml
Aliphatic C12-C16	6.784	10.234	10009155	65.807	200	ug/ml
Aliphatic C16-C21	10.235	13.611	20318215	138.645	300	ug/ml
Aliphatic C21-C28	13.612	17.280	4639073	32.566	400	ug/ml
Aliphatic C28-C40	17.281	22.183	4709849	36.914	600	ug/ml
Aliphatic EPH	3.142	22.183	41324521	284.502		ug/ml
ortho-Terphenyl (SURR)	11.898	11.898	5407733	32.08		ug/ml
1-chlorooctadecane (SURR)	13.342	13.342	4094530	33.72		ug/ml
Aliphatic C9-C28	3.142	17.280	36614672	247.587	1200	ug/ml