

Report of Analysis

Client:	PSEG	Date Collected:	07/02/25
Project:	PSEG Elizabeth-Roselle poles	Date Received:	07/02/25
Client Sample ID:	WC-11-EPH	SDG No.:	Q2493
Lab Sample ID:	Q2493-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.4
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
07/03/25 09:30	07/07/25 17:01	PB168723

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.03		1	1.41	2.39	mg/kg	FC069383.D
Aliphatic C9-C28	Aliphatic C9-C28	3.41	J	1	1.09	4.79	mg/kg	FC069383.D
Total AliphaticEPH	Total AliphaticEPH	8.44			2.50	7.18	mg/kg	
Total EPH	Total EPH	8.44			2.50	7.18	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
FC069383.D	1	07/03/25	07/07/25	PB168723

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.41	J	1.09	4.79	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.03		1.41	2.39	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.9		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.0		40 - 140	58%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2493-02	Acq On:	07 Jul 2025 17:01
Client Sample ID:	WC-11-EPH	Operator:	YP/AJ
Data file:	FC069383.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	3.302	6.602	2823639	19.25	300	ug/ml
Aliphatic C12-C16	6.603	10.006	860525	5.405	200	ug/ml
Aliphatic C16-C21	10.007	13.376	905014	5.86	300	ug/ml
Aliphatic C21-C28	13.377	17.041	1635680	12.21	400	ug/ml
Aliphatic C28-C40	17.042	22.022	5805712	63.02	600	ug/ml
Aliphatic EPH	3.302	22.022	12030570	105.745		ug/ml
ortho-Terphenyl (SURR)	11.676	11.676	5007911	28.99		ug/ml
1-chlorooctadecane (SURR)	13.111	13.111	4035288	30.89		ug/ml
Aliphatic C9-C28	3.302	17.041	6224858	42.725	1200	ug/ml