

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	SDG No.:	Q2493
Lab Sample ID:	Q2493-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.7
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
07/03/25 09:30	07/07/25 13:45	PB168723

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	6.35		1	1.33	2.25	mg/kg	FC069379.D
Aliphatic C9-C28	Aliphatic C9-C28	4.25	J	1	1.02	4.49	mg/kg	FC069379.D
Total AliphaticEPH	Total AliphaticEPH	10.6			2.35	6.74	mg/kg	
Total EPH	Total EPH	10.6			2.35	6.74	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
FC069379.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	4.25	J	1.02	4.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.35		1.33	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	45.0		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.5		40 - 140	85%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2493-01	Acq On:	07 Jul 2025 13:45
Client Sample ID:	WC-11	Operator:	YP/AJ
Data file:	FC069379.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.302	6.602	4130291	28.159	300	ug/ml
Aliphatic C12-C16	6.603	10.006	1039214	6.527	200	ug/ml
Aliphatic C16-C21	10.007	13.376	1275496	8.259	300	ug/ml
Aliphatic C21-C28	13.377	17.041	1841694	13.747	400	ug/ml
Aliphatic C28-C40	17.042	22.022	7796985	84.635	600	ug/ml
Aliphatic EPH	3.302	22.022	16083680	141.328		ug/ml
ortho-Terphenyl (SURR)	11.677	11.677	7342124	42.5		ug/ml
1-chlorooctadecane (SURR)	13.112	13.112	5886040	45.05		ug/ml
Aliphatic C9-C28	3.302	17.041	8286695	56.692	1200	ug/ml