

Report of Analysis

Client:	PSEG	Date Collected:	06/26/25
Project:	PSEG Bergen Point	Date Received:	06/26/25
Client Sample ID:	TP-4-EPH	SDG No.:	Q2429
Lab Sample ID:	Q2429-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.9
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/27/25 08:30	06/27/25 17:25	PB168635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.72		1	1.34	2.27	mg/kg	FE054617.D
Aliphatic C9-C28	Aliphatic C9-C28	4.07	J	1	1.03	4.53	mg/kg	FE054617.D
Total AliphaticEPH	Total AliphaticEPH	7.79			2.37	6.80	mg/kg	
Total EPH	Total EPH	7.79			2.37	6.80	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
FE054617.D	1	06/27/25	06/27/25	PB168635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.07	J	1.03	4.53	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.72		1.34	2.27	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.4		40 - 140	61%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.1		40 - 140	60%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2429-02	Acq On:	27 Jun 2025 17:25
Client Sample ID:	TP-4-EPH	Operator:	YP\AJ
Data file:	FE054617.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.317	6.943	4472371	32.872	300	ug/ml
Aliphatic C12-C16	6.944	10.391	797720	5.675	200	ug/ml
Aliphatic C16-C21	10.392	13.764	809538	5.606	300	ug/ml
Aliphatic C21-C28	13.765	17.429	1391650	9.621	400	ug/ml
Aliphatic C28-C40	17.430	22.428	6823008	49.211	600	ug/ml
Aliphatic EPH	3.317	22.428	14294287	102.985		ug/ml
ortho-Terphenyl (SURR)	12.064	12.064	4883445	30.07		ug/ml
1-chlorooctadecane (SURR)	13.498	13.498	3836050	30.37		ug/ml
Aliphatic C9-C28	3.317	17.429	7471279	53.774	1200	ug/ml