

Report of Analysis

Client:	PSEG	Date Collected:	07/07/25
Project:	PSEG Bergen Point	Date Received:	07/07/25
Client Sample ID:	TP-14-EPH	SDG No.:	Q2517
Lab Sample ID:	Q2517-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.6
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
07/09/25 09:30	07/09/25 20:40	PB168768

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.54		1	1.34	2.28	mg/kg	FC069408.D
Aliphatic C9-C28	Aliphatic C9-C28	3.40	J	1	1.03	4.56	mg/kg	FC069408.D
Total AliphaticEPH	Total AliphaticEPH	7.94			2.38	6.84	mg/kg	
Total EPH	Total EPH	7.94			2.38	6.84	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
FC069408.D	1	07/09/25	07/09/25	PB168768

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.40	J	1.03	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.54		1.34	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.5		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.4		40 - 140	55%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2517-02	Acq On:	09 Jul 2025 20:40
Client Sample ID:	TP-14-EPH	Operator:	YP/AJ
Data file:	FC069408.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	6.601	3714440	25.323	300	ug/ml
Aliphatic C12-C16	6.602	10.005	774365	4.864	200	ug/ml
Aliphatic C16-C21	10.006	13.375	915536	5.928	300	ug/ml
Aliphatic C21-C28	13.376	17.039	1171494	8.745	400	ug/ml
Aliphatic C28-C40	17.040	22.015	5511356	59.825	600	ug/ml
Aliphatic EPH	3.302	22.015	12087191	104.685		ug/ml
ortho-Terphenyl (SURR)	11.673	11.673	4737357	27.42		ug/ml
1-chlorooctadecane (SURR)	13.109	13.109	3859330	29.54		ug/ml
Aliphatic C9-C28	3.302	17.039	6575835	44.86	1200	ug/ml