

Report of Analysis

Client:	PSEG	Date Collected:	06/27/25
Project:	PSEG Bergen Point	Date Received:	06/27/25
Client Sample ID:	TP-5-EPH	SDG No.:	Q2452
Lab Sample ID:	Q2452-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/30/25 08:50	06/30/25 21:20	PB168656

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	5.89		1	1.35	2.29	mg/kg FC069338.D
Aliphatic C9-C28	Aliphatic C9-C28	5.02		1	1.04	4.59	mg/kg FC069338.D
Total AliphaticEPH	Total AliphaticEPH	10.9			2.39	6.88	mg/kg
Total EPH	Total EPH	10.9			2.39	6.88	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
FC069338.D	1	06/30/25	06/30/25	PB168656

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.02		1.04	4.59	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.89		1.35	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.2		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.9		40 - 140	62%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2452-02	Acq On:	30 Jun 2025 21:20
Client Sample ID:	TP-5-EPH	Operator:	YP/AJ
Data file:	FC069338.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	3.308	6.605	5628136	38.37	300	ug/ml
Aliphatic C12-C16	6.606	10.009	858539	5.392	200	ug/ml
Aliphatic C16-C21	10.010	13.379	1530973	9.913	300	ug/ml
Aliphatic C21-C28	13.380	17.046	1620608	12.097	400	ug/ml
Aliphatic C28-C40	17.047	22.025	7106862	77.144	600	ug/ml
Aliphatic EPH	3.308	22.025	16745118	142.917		ug/ml
ortho-Terphenyl (SURR)	11.678	11.678	5336043	30.89		ug/ml
1-chlorooctadecane (SURR)	13.113	13.113	4201039	32.16		ug/ml
Aliphatic C9-C28	3.308	17.046	9638256	65.772	1200	ug/ml