

Report of Analysis

Client:	PSEG	Date Collected:	05/16/25
Project:	PSEG Bergen Point	Date Received:	05/16/25
Client Sample ID:	L1-WC-7-EPH	SDG No.:	Q2071
Lab Sample ID:	Q2071-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.3
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	10000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
05/20/25 09:15	05/21/25 4:08	PB168076

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	15.0		1	6.83	11.6	mg/kg FC068949.D
Aliphatic C9-C28	Aliphatic C9-C28	42.4		1	5.27	23.2	mg/kg FC068949.D
Total AliphaticEPH	Total AliphaticEPH	57.4			12.1	34.8	mg/kg
Total EPH	Total EPH	57.4			12.1	34.8	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
FC068949.D	1	05/20/25	05/21/25	PB168076

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	42.4		5.27	23.2	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	15.0		6.83	11.6	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.4		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.0		40 - 140	72%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2071-02	Acq On:	21 May 2025 04:08
Client Sample ID:	L1-WC-7-EPH	Operator:	YP/AJ
Data file:	FC068949.D	Misc:	
Instrument:	FID_C	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.341	6.640	254771	2.57	300	ug/ml
Aliphatic C12-C16	6.641	10.040	467014	5.133	200	ug/ml
Aliphatic C16-C21	10.041	13.408	7865859	91.719	300	ug/ml
Aliphatic C21-C28	13.409	17.070	874879	10.529	400	ug/ml
Aliphatic C28-C40	17.071	22.065	3284374	38.812	600	ug/ml
Aliphatic EPH	3.341	22.065	12746897	148.763		ug/ml
ortho-Terphenyl (SURR)	11.709	11.709	4111258	36.02		ug/ml
1-chlorooctadecane (SURR)	13.141	13.141	3159670	39.38		ug/ml
Aliphatic C9-C28	3.341	17.070	9462523	109.951	1200	ug/ml