

Report of Analysis

Client:	PSEG	Date Collected:	05/16/25
Project:	PSEG Bergen Point	Date Received:	05/16/25
Client Sample ID:	L1-WC-9	SDG No.:	Q2071
Lab Sample ID:	Q2071-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.2
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	10000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
05/20/25 09:15	05/20/25 14:48	PB168076

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	12.8		1	7.00	11.9	mg/kg FE053923.D
Aliphatic C9-C28	Aliphatic C9-C28	26.5		1	5.39	23.7	mg/kg FE053923.D
Total AliphaticEPH	Total AliphaticEPH	39.3			12.4	35.6	mg/kg
Total EPH	Total EPH	39.3			12.4	35.6	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
FE053923.D	1	05/20/25	05/20/25	PB168076

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	26.5		5.39	23.7	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	12.8		7.00	11.9	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.7		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.5		40 - 140	71%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2071-09	Acq On:	20 May 2025 14:48
Client Sample ID:	L1-WC-9	Operator:	YP\AJ
Data file:	FE053923.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.098	6.739	533977	3.939	300	ug/ml
Aliphatic C12-C16	6.740	10.187	681029	5.047	200	ug/ml
Aliphatic C16-C21	10.188	13.561	6227762	47.212	300	ug/ml
Aliphatic C21-C28	13.562	17.229	1317735	10.612	400	ug/ml
Aliphatic C28-C40	17.230	22.108	3751008	32.496	600	ug/ml
Aliphatic EPH	3.098	22.108	12511511	99.305		ug/ml
ortho-Terphenyl (SURR)	11.846	11.846	5777159	35.55		ug/ml
1-chlorooctadecane (SURR)	13.291	13.291	4466101	37.67		ug/ml
Aliphatic C9-C28	3.098	17.229	8760503	66.81	1200	ug/ml