

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	SDG No.:	Q2071
Lab Sample ID:	Q2071-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.6
Sample Wt/Vol:	30.06	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 1:42	PB168076

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	18.9		1	6.80	11.5	mg/kg	FC068945.D
Aliphatic C9-C28	Aliphatic C9-C28	13.2	J	1	5.24	23.0	mg/kg	FC068945.D
Total AliphaticEPH	Total AliphaticEPH	32.1	J		12.0	34.5	mg/kg	
Total EPH	Total EPH	32.1	J		12.0	34.5	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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Lab Sample ID:	Q2071-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.6
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068945.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	13.2	J	5.24	23.0	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	18.9		6.80	11.5	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	54.7		40 - 140	109%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	50.1		40 - 140	100%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2071-01	Acq On:	21 May 2025 01:42
Client Sample ID:	L1-WC-7	Operator:	YP/AJ
Data file:	FC068945.D	Misc:	
Instrument:	FID_C	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.341	6.640	228393	2.304	300	ug/ml
Aliphatic C12-C16	6.641	10.040	504376	5.544	200	ug/ml
Aliphatic C16-C21	10.041	13.408	778050	9.072	300	ug/ml
Aliphatic C21-C28	13.409	17.070	1455685	17.519	400	ug/ml
Aliphatic C28-C40	17.071	22.065	4165785	49.228	600	ug/ml
Aliphatic EPH	3.341	22.065	7132289	83.667		ug/ml
ortho-Terphenyl (SURR)	11.710	11.710	5717548	50.09		ug/ml
1-chlorooctadecane (SURR)	13.141	13.141	4390231	54.72		ug/ml
Aliphatic C9-C28	3.341	17.070	2966504	34.439	1200	ug/ml