

Report of Analysis

Client:	PSEG	Date Collected:	05/16/25
Project:	PSEG Bergen Point	Date Received:	05/16/25
Client Sample ID:	L2-WC-6	SDG No.:	Q2071
Lab Sample ID:	Q2071-17	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.2
Sample Wt/Vol:	30.03	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 16:48	PB168076

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	62.7		1	6.84	11.6	mg/kg FE053927.D
Aliphatic C9-C28	Aliphatic C9-C28	2210		10	52.7	232	mg/kg FE053942.D
Total AliphaticEPH	Total AliphaticEPH	2280			59.5	243	mg/kg
Total EPH	Total EPH	2280			59.5	243	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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Sample Wt/Vol:	30.03 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
FE053927.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	2500	E	5.27	23.2	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	62.7		6.84	11.6	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	50.6		40 - 140	101%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	44.6		40 - 140	89%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2071-17	Acq On:	20 May 2025 16:48
Client Sample ID:	L2-WC-6	Operator:	YP\AJ
Data file:	FE053927.D	Misc:	
Instrument:	FID_E	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.098	6.739	32489441	239.663	300	ug/ml
Aliphatic C12-C16	6.740	10.187	244535159	1810	200	ug/ml
Aliphatic C16-C21	10.188	13.561	377064416	2860	300	ug/ml
Aliphatic C21-C28	13.562	17.229	192801767	1550	400	ug/ml
Aliphatic C28-C40	17.230	22.108	18747257	162.411	600	ug/ml
Aliphatic EPH	3.098	22.108	865638040	6630		ug/ml
ortho-Terphenyl (SURR)	11.851	11.851	7253939	44.64		ug/ml
1-chlorooctadecane (SURR)	13.297	13.297	6000363	50.61		ug/ml
Aliphatic C9-C28	3.098	17.229	846890783	6460	1200	ug/ml