

Report of Analysis

Client:	PSEG	Date Collected:	05/15/25
Project:	PSEG Bergen Point	Date Received:	05/15/25
Client Sample ID:	L1-WC-4-EPH	SDG No.:	Q2062
Lab Sample ID:	Q2062-14	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.7
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
05/19/25 09:13	05/19/25 17:30	PB168051

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.28	U	1	1.34	2.28	mg/kg	FE053898.D
Aliphatic C9-C28	Aliphatic C9-C28	2.72	J	1	1.03	4.56	mg/kg	FE053898.D
Total AliphaticEPH	Total AliphaticEPH	2.72	J		2.38	6.84	mg/kg	
Total EPH	Total EPH	2.72	J		2.38	6.84	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
FE053898.D	1	05/19/25	05/19/25	PB168051

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.72	J	1.03	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.28	U	1.34	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	47.6		40 - 140	95%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	44.6		40 - 140	89%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2062-14	Acq On:	19 May 2025 17:30
Client Sample ID:	L1-WC-4-EPH	Operator:	YP\AJ
Data file:	FE053898.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.099	6.743	294276	2.171	300	ug/ml
Aliphatic C12-C16	6.744	10.191	854799	6.335	200	ug/ml
Aliphatic C16-C21	10.192	13.567	1311499	9.942	300	ug/ml
Aliphatic C21-C28	13.568	17.237	2166354	17.446	400	ug/ml
Aliphatic C28-C40	17.238	22.125	1322896	11.461	600	ug/ml
Aliphatic EPH	3.099	22.125	5949824	47.354		ug/ml
ortho-Terphenyl (SURR)	11.855	11.855	7242331	44.56		ug/ml
1-chlorooctadecane (SURR)	13.300	13.300	5643215	47.6		ug/ml
Aliphatic C9-C28	3.099	17.237	4626928	35.894	1200	ug/ml