

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	SDG No.:	Q2062
Lab Sample ID:	Q2062-13	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.4
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
05/19/25 09:13	05/19/25 17:00	PB168051

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	6.59		1	1.33	2.26	mg/kg	FE053897.D
Aliphatic C9-C28	Aliphatic C9-C28	2.95	J	1	1.03	4.51	mg/kg	FE053897.D
Total AliphaticEPH	Total AliphaticEPH	9.54			2.36	6.77	mg/kg	
Total EPH	Total EPH	9.54			2.36	6.77	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
FE053897.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	2.95	J	1.03	4.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.59		1.33	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	57.5		40 - 140	115%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	54.5		40 - 140	109%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2062-13	Acq On:	19 May 2025 17:00
Client Sample ID:	L1-WC-4	Operator:	YP\AJ
Data file:	FE053897.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.099	6.743	295155	2.177	300	ug/ml
Aliphatic C12-C16	6.744	10.191	1309595	9.705	200	ug/ml
Aliphatic C16-C21	10.192	13.567	1401655	10.626	300	ug/ml
Aliphatic C21-C28	13.568	17.237	2088408	16.818	400	ug/ml
Aliphatic C28-C40	17.238	22.125	10112689	87.608	600	ug/ml
Aliphatic EPH	3.099	22.125	15207502	126.934		ug/ml
ortho-Terphenyl (SURR)	11.857	11.857	8851198	54.46		ug/ml
1-chlorooctadecane (SURR)	13.302	13.302	6816703	57.5		ug/ml
Aliphatic C9-C28	3.099	17.237	5094813	39.326	1200	ug/ml