

Report of Analysis

Client:	PSEG	Date Collected:	05/15/25
Project:	PSEG Bergen Point	Date Received:	05/15/25
Client Sample ID:	L1-WC-5	SDG No.:	Q2062
Lab Sample ID:	Q2062-17	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.5
Sample Wt/Vol:	30.03	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 18:00	PB168051

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	5.17		1	1.33	2.26	mg/kg FE053899.D
Aliphatic C9-C28	Aliphatic C9-C28	12.3		1	1.03	4.52	mg/kg FE053899.D
Total AliphaticEPH	Total AliphaticEPH	17.4			2.36	6.78	mg/kg
Total EPH	Total EPH	17.4			2.36	6.78	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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Analytical Method:	NJEPH	% Solid:	88.5
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053899.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	12.3		1.03	4.52	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.17		1.33	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	55.9		40 - 140	112%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	52.5		40 - 140	105%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2062-17	Acq On:	19 May 2025 18:00
Client Sample ID:	L1-WC-5	Operator:	YP\AJ
Data file:	FE053899.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.099	6.743	324633	2.395	300	ug/ml
Aliphatic C12-C16	6.744	10.191	929941	6.891	200	ug/ml
Aliphatic C16-C21	10.192	13.567	17336306	131.424	300	ug/ml
Aliphatic C21-C28	13.568	17.237	2777523	22.367	400	ug/ml
Aliphatic C28-C40	17.238	22.125	7927888	68.681	600	ug/ml
Aliphatic EPH	3.099	22.125	29296291	231.759		ug/ml
ortho-Terphenyl (SURR)	11.856	11.856	8526881	52.47		ug/ml
1-chlorooctadecane (SURR)	13.301	13.301	6629775	55.92		ug/ml
Aliphatic C9-C28	3.099	17.237	21368403	163.077	1200	ug/ml