

Report of Analysis

Client:	PSEG	Date Collected:	05/15/25
Project:	PSEG Bergen Point	Date Received:	05/15/25
Client Sample ID:	L1-WC-3	SDG No.:	Q2062
Lab Sample ID:	Q2062-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.6
Sample Wt/Vol:	30.01	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 15:59	PB168051

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	13.9		1	1.45	2.45	mg/kg	FE053895.D
Aliphatic C9-C28	Aliphatic C9-C28	3.77	J	1	1.12	4.91	mg/kg	FE053895.D
Total AliphaticEPH	Total AliphaticEPH	17.7			2.56	7.36	mg/kg	
Total EPH	Total EPH	17.7			2.56	7.36	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053895.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	3.77	J	1.12	4.91	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	13.9		1.45	2.45	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	62.1		40 - 140	124%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	58.6		40 - 140	117%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2062-09	Acq On:	19 May 2025 15:59
Client Sample ID:	L1-WC-3	Operator:	YP\AJ
Data file:	FE053895.D	Misc:	
Instrument:	FID_E	ALS Vial:	9
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.099	6.743	213345	1.574	300	ug/ml
Aliphatic C12-C16	6.744	10.191	1191343	8.829	200	ug/ml
Aliphatic C16-C21	10.192	13.567	1714411	12.997	300	ug/ml
Aliphatic C21-C28	13.568	17.237	3027403	24.38	400	ug/ml
Aliphatic C28-C40	17.238	22.125	19691255	170.589	600	ug/ml
Aliphatic EPH	3.099	22.125	25837757	218.368		ug/ml
ortho-Terphenyl (SURR)	11.859	11.859	9516401	58.56		ug/ml
1-chlorooctadecane (SURR)	13.304	13.304	7365861	62.13		ug/ml
Aliphatic C9-C28	3.099	17.237	6146502	47.78	1200	ug/ml