

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-EPH	SDG No.:	Q2062
Lab Sample ID:	Q2062-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.9
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 16:29	PB168051

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	9.65		1	1.33	2.25	mg/kg	FE053896.D
Aliphatic C9-C28	Aliphatic C9-C28	3.64	J	1	1.02	4.49	mg/kg	FE053896.D
Total AliphaticEPH	Total AliphaticEPH	13.3			2.35	6.74	mg/kg	
Total EPH	Total EPH	13.3			2.35	6.74	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
FE053896.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	3.64	J	1.02	4.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.65		1.33	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	57.8		40 - 140	116%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	55.0		40 - 140	110%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2062-10	Acq On:	19 May 2025 16:29
Client Sample ID:	L1-WC-3-EPH	Operator:	YP\AJ
Data file:	FE053896.D	Misc:	
Instrument:	FID_E	ALS Vial:	10
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.099	6.743	215023	1.586	300	ug/ml
Aliphatic C12-C16	6.744	10.191	1339563	9.927	200	ug/ml
Aliphatic C16-C21	10.192	13.567	1816963	13.774	300	ug/ml
Aliphatic C21-C28	13.568	17.237	3099917	24.964	400	ug/ml
Aliphatic C28-C40	17.238	22.125	14868377	128.808	600	ug/ml
Aliphatic EPH	3.099	22.125	21339843	179.059		ug/ml
ortho-Terphenyl (SURR)	11.858	11.858	8936263	54.99		ug/ml
1-chlorooctadecane (SURR)	13.303	13.303	6849581	57.78		ug/ml
Aliphatic C9-C28	3.099	17.237	6471466	50.251	1200	ug/ml