

Report of Analysis

Client:	PSEG	Date Collected:	05/13/25
Project:	PSEG Bergen Point	Date Received:	05/14/25
Client Sample ID:	L3-WC-4-EPH	SDG No.:	Q2034
Lab Sample ID:	Q2034-14	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.1
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
05/15/25 09:30	05/15/25 18:11	PB168018

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.62		1	1.35	2.29	mg/kg	FE053851.D
Aliphatic C9-C28	Aliphatic C9-C28	1.63	J	1	1.04	4.59	mg/kg	FE053851.D
Total AliphaticEPH	Total AliphaticEPH	5.25	J		2.39	6.88	mg/kg	
Total EPH	Total EPH	5.25	J		2.39	6.88	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
FE053851.D	1	05/15/25	05/15/25	PB168018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	1.63	J	1.04	4.59	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.62		1.35	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.8		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.9		40 - 140	60%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2034-14	Acq On:	15 May 2025 18:11
Client Sample ID:	L3-WC-4-EPH	Operator:	YP\AJ
Data file:	FE053851.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.101	6.743	524147	3.866	300	ug/ml
Aliphatic C12-C16	6.744	10.192	592883	4.394	200	ug/ml
Aliphatic C16-C21	10.193	13.567	529327	4.013	300	ug/ml
Aliphatic C21-C28	13.568	17.235	1128078	9.084	400	ug/ml
Aliphatic C28-C40	17.236	22.117	5478818	47.464	600	ug/ml
Aliphatic EPH	3.101	22.117	8253253	68.821		ug/ml
ortho-Terphenyl (SURR)	11.850	11.850	4864761	29.93		ug/ml
1-chlorooctadecane (SURR)	13.295	13.295	3773694	31.83		ug/ml
Aliphatic C9-C28	3.101	17.235	2774435	21.357	1200	ug/ml