

Report of Analysis

Client:	PSEG	Date Collected:	05/13/25
Project:	PSEG Bergen Point	Date Received:	05/14/25
Client Sample ID:	L3-WC-2-EPH	SDG No.:	Q2034
Lab Sample ID:	Q2034-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.7
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
05/15/25 09:30	05/15/25 16:10	PB168018

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.29		1	1.36	2.31	mg/kg	FE053847.D
Aliphatic C9-C28	Aliphatic C9-C28	3.15	J	1	1.05	4.61	mg/kg	FE053847.D
Total AliphaticEPH	Total AliphaticEPH	8.44			2.41	6.92	mg/kg	
Total EPH	Total EPH	8.44			2.41	6.92	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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Sample Wt/Vol:	30.01 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
FE053847.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	3.15	J	1.05	4.61	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.29		1.36	2.31	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.0		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.5		40 - 140	71%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2034-06	Acq On:	15 May 2025 16:10
Client Sample ID:	L3-WC-2-EPH	Operator:	YP\AJ
Data file:	FE053847.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.101	6.743	506106	3.733	300	ug/ml
Aliphatic C12-C16	6.744	10.192	851052	6.307	200	ug/ml
Aliphatic C16-C21	10.193	13.567	1438094	10.902	300	ug/ml
Aliphatic C21-C28	13.568	17.235	2486217	20.022	400	ug/ml
Aliphatic C28-C40	17.236	22.117	7946378	68.841	600	ug/ml
Aliphatic EPH	3.101	22.117	13227847	109.805		ug/ml
ortho-Terphenyl (SURR)	11.851	11.851	5767713	35.49		ug/ml
1-chlorooctadecane (SURR)	13.296	13.296	4391557	37.04		ug/ml
Aliphatic C9-C28	3.101	17.235	5281469	40.964	1200	ug/ml