

Report of Analysis

Client:	PSEG	Date Collected:	05/13/25
Project:	PSEG Bergen Point	Date Received:	05/14/25
Client Sample ID:	L3-WC-1-EPH	SDG No.:	Q2034
Lab Sample ID:	Q2034-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.4
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
05/15/25 09:30	05/15/25 18:01	PB168018

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.77		1	1.33	2.26	mg/kg	FC068890.D
Aliphatic C9-C28	Aliphatic C9-C28	2.52	J	1	1.03	4.51	mg/kg	FC068890.D
Total AliphaticEPH	Total AliphaticEPH	5.29	J		2.36	6.77	mg/kg	
Total EPH	Total EPH	5.29	J		2.36	6.77	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068890.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	2.52	J	1.03	4.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.77		1.33	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	46.0		40 - 140	92%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.7		40 - 140	83%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2034-02	Acq On:	15 May 2025 18:01
Client Sample ID:	L3-WC-1-EPH	Operator:	YP/AJ
Data file:	FC068890.D	Misc:	
Instrument:	FID_C	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.339	6.640	257126	2.594	300	ug/ml
Aliphatic C12-C16	6.641	10.040	555960	6.11	200	ug/ml
Aliphatic C16-C21	10.041	13.406	915503	10.675	300	ug/ml
Aliphatic C21-C28	13.407	17.070	1173724	14.126	400	ug/ml
Aliphatic C28-C40	17.071	22.065	3116003	36.822	600	ug/ml
Aliphatic EPH	3.339	22.065	6018316	70.327		ug/ml
ortho-Terphenyl (SURR)	11.708	11.708	4756961	41.68		ug/ml
1-chlorooctadecane (SURR)	13.141	13.141	3691874	46.02		ug/ml
Aliphatic C9-C28	3.339	17.070	2902313	33.505	1200	ug/ml