

Report of Analysis

Client:	PSEG	Date Collected:	05/14/25
Project:	PSEG Bergen Point	Date Received:	05/14/25
Client Sample ID:	L2-WC-4-EPH	SDG No.:	Q2048
Lab Sample ID:	Q2048-14	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.4
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
05/16/25 08:53	05/16/25 18:24	PB168035

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.55		1	1.35	2.29	mg/kg	FC068909.D
Aliphatic C9-C28	Aliphatic C9-C28	2.77	J	1	1.04	4.56	mg/kg	FC068909.D
Total AliphaticEPH	Total AliphaticEPH	8.32			2.39	6.85	mg/kg	
Total EPH	Total EPH	8.32			2.39	6.85	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
FC068909.D	1	05/16/25	05/16/25	PB168035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.77	J	1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.55		1.35	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.9		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.7		40 - 140	75%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2048-14	Acq On:	16 May 2025 18:24
Client Sample ID:	L2-WC-4-EPH	Operator:	YP/AJ
Data file:	FC068909.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.340	6.640	328224	3.311	300	ug/ml
Aliphatic C12-C16	6.641	10.040	668185	7.344	200	ug/ml
Aliphatic C16-C21	10.041	13.408	995135	11.604	300	ug/ml
Aliphatic C21-C28	13.409	17.071	1178609	14.185	400	ug/ml
Aliphatic C28-C40	17.072	22.068	6164119	72.842	600	ug/ml
Aliphatic EPH	3.340	22.068	9334272	109.285		ug/ml
ortho-Terphenyl (SURR)	11.710	11.710	4303130	37.7		ug/ml
1-chlorooctadecane (SURR)	13.142	13.142	3360779	41.89		ug/ml
Aliphatic C9-C28	3.340	17.071	3170153	36.444	1200	ug/ml