

Report of Analysis

Client:	PSEG	Date Collected:	05/15/25
Project:	PSEG Bergen Point	Date Received:	05/15/25
Client Sample ID:	L1-WC-1	SDG No.:	Q2062
Lab Sample ID:	Q2062-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.4
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
05/19/25 09:13	05/19/25 18:46	PB168051

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.30		1	1.38	2.34	mg/kg	FC068919.D
Aliphatic C9-C28	Aliphatic C9-C28	3.17	J	1	1.06	4.68	mg/kg	FC068919.D
Total AliphaticEPH	Total AliphaticEPH	8.47			2.44	7.02	mg/kg	
Total EPH	Total EPH	8.47			2.44	7.02	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:	30.04 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
FC068919.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	3.17	J	1.06	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.30		1.38	2.34	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	50.5		40 - 140	101%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	47.1		40 - 140	94%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2062-01	Acq On:	19 May 2025 18:46
Client Sample ID:	L1-WC-1	Operator:	YP/AJ
Data file:	FC068919.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	3.341	6.641	247327	2.495	300	ug/ml
Aliphatic C12-C16	6.642	10.041	698672	7.679	200	ug/ml
Aliphatic C16-C21	10.042	13.407	1314638	15.329	300	ug/ml
Aliphatic C21-C28	13.408	17.070	1260608	15.171	400	ug/ml
Aliphatic C28-C40	17.071	22.065	5750913	67.959	600	ug/ml
Aliphatic EPH	3.341	22.065	9272158	108.634		ug/ml
ortho-Terphenyl (SURR)	11.712	11.712	5371282	47.06		ug/ml
1-chlorooctadecane (SURR)	13.143	13.143	4051054	50.5		ug/ml
Aliphatic C9-C28	3.341	17.070	3521245	40.674	1200	ug/ml