

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	PSEG Bergen Point	Date Received:	
Client Sample ID:	PB168768BSD	SDG No.:	Q2517
Lab Sample ID:	PB168768BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
07/09/25 08:00	07/10/25 14:05	PB168768

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	27.1		1	1.18	2.00	mg/kg	FC069415.D
Aliphatic C9-C28	Aliphatic C9-C28	59.7		1	0.91	3.99	mg/kg	FC069415.D
Total AliphaticEPH	Total AliphaticEPH	86.8			2.09	5.99	mg/kg	
Total EPH	Total EPH	86.8			2.09	5.99	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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Analytical Method:	NJEPH	% Solid:	100
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Soil Aliquot Vol:		Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069415.D	1	07/09/25	07/10/25	PB168768

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	59.7		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	27.1		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.8		40 - 140	58%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.8		40 - 140	56%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168768BSD	Acq On:	10 Jul 2025 14:05
Client Sample ID:	PB168768BSD	Operator:	YP/AJ
Data file:	FC069415.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.304	6.601	19385701	132.164	300	ug/ml
Aliphatic C12-C16	6.602	10.005	33130643	208.093	200	ug/ml
Aliphatic C16-C21	10.006	13.374	37737408	244.359	300	ug/ml
Aliphatic C21-C28	13.375	17.039	41691628	311.21	400	ug/ml
Aliphatic C28-C40	17.040	22.014	37482057	406.863	600	ug/ml
Aliphatic EPH	3.304	22.014	169427437	1300		ug/ml
ortho-Terphenyl (SURR)	11.673	11.673	4796388	27.76		ug/ml
1-chlorooctadecane (SURR)	13.109	13.109	3767178	28.84		ug/ml
Aliphatic C9-C28	3.304	17.039	131945380	895.826	1200	ug/ml