

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	PSEG Bergen Point	Date Received:	
Client Sample ID:	PB168768BS	SDG No.:	Q2517
Lab Sample ID:	PB168768BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/09/25 08:00	07/10/25 12:37	PB168768

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	26.9		1	1.18	2.00	mg/kg	FC069414.D
Aliphatic C9-C28	Aliphatic C9-C28	59.4		1	0.91	4.00	mg/kg	FC069414.D
Total AliphaticEPH	Total AliphaticEPH	86.3			2.09	6.00	mg/kg	
Total EPH	Total EPH	86.3			2.09	6.00	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069414.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	59.4		0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.9		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.7		40 - 140	57%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.6		40 - 140	55%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168768BS	Acq On:	10 Jul 2025 12:37
Client Sample ID:	PB168768BS	Operator:	YP/AJ
Data file:	FC069414.D	Misc:	
Instrument:	FID_C	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.304	6.601	19365570	132.026	300	ug/ml
Aliphatic C12-C16	6.602	10.005	33023049	207.417	200	ug/ml
Aliphatic C16-C21	10.006	13.374	37530444	243.019	300	ug/ml
Aliphatic C21-C28	13.375	17.039	41385017	308.921	400	ug/ml
Aliphatic C28-C40	17.040	22.014	37159142	403.358	600	ug/ml
Aliphatic EPH	3.304	22.014	168463222	1290		ug/ml
ortho-Terphenyl (SURR)	11.671	11.671	4775169	27.64		ug/ml
1-chlorooctadecane (SURR)	13.106	13.106	3748401	28.69		ug/ml
Aliphatic C9-C28	3.304	17.039	131304080	891.383	1200	ug/ml