

Report of Analysis

Client:	PSEG	Date Collected:	06/19/25
Project:	PSEG Bergen Point	Date Received:	06/19/25
Client Sample ID:	EP-4	SDG No.:	Q2367
Lab Sample ID:	Q2367-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.4
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
06/20/25 09:30	06/20/25 18:52	PB168561

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	34.7		1	1.29	2.19	mg/kg FE054527.D
Aliphatic C9-C28	Aliphatic C9-C28	8.43		1	0.99	4.37	mg/kg FE054527.D
Total AliphaticEPH	Total AliphaticEPH	43.1			2.28	6.56	mg/kg
Total EPH	Total EPH	43.1			2.28	6.56	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
FE054527.D	1	06/20/25	06/20/25	PB168561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	8.43		0.99	4.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	34.7		1.29	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.2		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.6		40 - 140	75%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2367-01	Acq On:	20 Jun 2025 18:52
Client Sample ID:	EP-4	Operator:	YP\AJ
Data file:	FE054527.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.072	6.716	2283202	18.228	300	ug/ml
Aliphatic C12-C16	6.717	10.164	4312468	32.882	200	ug/ml
Aliphatic C16-C21	10.165	13.537	2864118	21.386	300	ug/ml
Aliphatic C21-C28	13.538	17.205	5486249	43.175	400	ug/ml
Aliphatic C28-C40	17.206	22.069	61032982	475.908	600	ug/ml
Aliphatic EPH	3.072	22.069	75979019	591.579		ug/ml
ortho-Terphenyl (SURR)	11.823	11.823	6205536	37.56		ug/ml
1-chlorooctadecane (SURR)	13.267	13.267	4784396	39.23		ug/ml
Aliphatic C9-C28	3.072	17.205	14946037	115.671	1200	ug/ml