

Report of Analysis

Client:	PSEG	Date Collected:	06/18/25
Project:	PSEG Bergen Point	Date Received:	06/18/25
Client Sample ID:	EP-6-EPH	SDG No.:	Q2362
Lab Sample ID:	Q2362-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.2
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/20/25 09:30	06/20/25 18:22	PB168561

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	7.91		1	1.34	2.27	mg/kg	FE054526.D
Aliphatic C9-C28	Aliphatic C9-C28	4.07	J	1	1.03	4.53	mg/kg	FE054526.D
Total AliphaticEPH	Total AliphaticEPH	12.0			2.37	6.80	mg/kg	
Total EPH	Total EPH	12.0			2.37	6.80	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054526.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	4.07	J	1.03	4.53	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.91		1.34	2.27	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.6		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.3		40 - 140	67%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2362-06	Acq On:	20 Jun 2025 18:22
Client Sample ID:	EP-6-EPH	Operator:	YP\AJ
Data file:	FE054526.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.072	6.716	2181921	17.42	300	ug/ml
Aliphatic C12-C16	6.717	10.164	1039275	7.924	200	ug/ml
Aliphatic C16-C21	10.165	13.537	1284608	9.592	300	ug/ml
Aliphatic C21-C28	13.538	17.205	2400785	18.894	400	ug/ml
Aliphatic C28-C40	17.206	22.069	13420868	104.65	600	ug/ml
Aliphatic EPH	3.072	22.069	20327457	158.479		ug/ml
ortho-Terphenyl (SURR)	11.821	11.821	5508721	33.34		ug/ml
1-chlorooctadecane (SURR)	13.266	13.266	4336452	35.56		ug/ml
Aliphatic C9-C28	3.072	17.205	6906589	53.83	1200	ug/ml