

Report of Analysis

Client:	PSEG	Date Collected:	06/19/25
Project:	PSEG Bergen Point	Date Received:	06/19/25
Client Sample ID:	EP-4-EPH	SDG No.:	Q2367
Lab Sample ID:	Q2367-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.4
Sample Wt/Vol:	30.06	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 19:23	PB168561

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	18.9		1	1.30	2.21	mg/kg FE054528.D
Aliphatic C9-C28	Aliphatic C9-C28	4.65		1	1.00	4.41	mg/kg FE054528.D
Total AliphaticEPH	Total AliphaticEPH	23.5			2.31	6.62	mg/kg
Total EPH	Total EPH	23.5			2.31	6.62	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 :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054528.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	4.65		1.00	4.41	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	18.9		1.30	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.2		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.1		40 - 140	70%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2367-02	Acq On:	20 Jun 2025 19:23
Client Sample ID:	EP-4-EPH	Operator:	YP\AJ
Data file:	FE054528.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.072	6.716	1822306	14.549	300	ug/ml
Aliphatic C12-C16	6.717	10.164	2593415	19.774	200	ug/ml
Aliphatic C16-C21	10.165	13.537	1450693	10.832	300	ug/ml
Aliphatic C21-C28	13.538	17.205	2284682	17.98	400	ug/ml
Aliphatic C28-C40	17.206	22.069	32862744	256.249	600	ug/ml
Aliphatic EPH	3.072	22.069	41013840	319.384		ug/ml
ortho-Terphenyl (SURR)	11.822	11.822	5794138	35.07		ug/ml
1-chlorooctadecane (SURR)	13.267	13.267	4533013	37.17		ug/ml
Aliphatic C9-C28	3.072	17.205	8151096	63.135	1200	ug/ml