

Report of Analysis

Client:	PSEG	Date Collected:	06/23/25
Project:	PSEG Bergen Point	Date Received:	06/23/25
Client Sample ID:	EP-7	SDG No.:	Q2399
Lab Sample ID:	Q2399-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.7
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
06/25/25 09:15	06/25/25 16:48	PB168609

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	10.5		1	1.35	2.28	mg/kg FE054578.D
Aliphatic C9-C28	Aliphatic C9-C28	6.55		1	1.04	4.56	mg/kg FE054578.D
Total AliphaticEPH	Total AliphaticEPH	17.1			2.39	6.84	mg/kg
Total EPH	Total EPH	17.1			2.39	6.84	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:	87.7
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054578.D	1	06/25/25	06/25/25	PB168609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	6.55		1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	10.5		1.35	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.0		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.4		40 - 140	61%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2399-05	Acq On:	25 Jun 2025 16:48
Client Sample ID:	EP-7	Operator:	YP\AJ
Data file:	FE054578.D	Misc:	
Instrument:	FID_E	ALS Vial:	10
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.071	6.716	1828694	14.6	300	ug/ml
Aliphatic C12-C16	6.717	10.163	1754128	13.375	200	ug/ml
Aliphatic C16-C21	10.164	13.535	6243183	46.617	300	ug/ml
Aliphatic C21-C28	13.536	17.204	1476109	11.617	400	ug/ml
Aliphatic C28-C40	17.205	22.072	17751682	138.42	600	ug/ml
Aliphatic EPH	3.071	22.072	29053796	224.628		ug/ml
ortho-Terphenyl (SURR)	11.823	11.823	5015806	30.36		ug/ml
1-chlorooctadecane (SURR)	13.268	13.268	3778869	30.99		ug/ml
Aliphatic C9-C28	3.071	17.204	11302114	86.209	1200	ug/ml