

Report of Analysis

Client:	PSEG	Date Collected:	06/23/25
Project:	PSEG Bergen Point	Date Received:	06/23/25
Client Sample ID:	EP-7-EPH	SDG No.:	Q2399
Lab Sample ID:	Q2399-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.3
Sample Wt/Vol:	30.08	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 17:19	PB168609

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	8.62		1	1.35	2.28	mg/kg	FE054579.D
Aliphatic C9-C28	Aliphatic C9-C28	2.61	J	1	1.04	4.56	mg/kg	FE054579.D
Total AliphaticEPH	Total AliphaticEPH	11.2			2.39	6.84	mg/kg	
Total EPH	Total EPH	11.2			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

Report of Analysis

Client:	PSEG	Date Collected:	06/23/25
Project:	PSEG Bergen Point	Date Received:	06/23/25
Client Sample ID:	EP-7-EPH	SDG No.:	Q2399
Lab Sample ID:	Q2399-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.3
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054579.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	2.61	J	1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.62		1.35	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.1		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.5		40 - 140	61%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2399-06	Acq On:	25 Jun 2025 17:19
Client Sample ID:	EP-7-EPH	Operator:	YP\AJ
Data file:	FE054579.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.071	6.716	1967185	15.705	300	ug/ml
Aliphatic C12-C16	6.717	10.163	1497373	11.417	200	ug/ml
Aliphatic C16-C21	10.164	13.535	941245	7.028	300	ug/ml
Aliphatic C21-C28	13.536	17.204	948786	7.467	400	ug/ml
Aliphatic C28-C40	17.205	22.072	14514887	113.181	600	ug/ml
Aliphatic EPH	3.071	22.072	19869476	154.798		ug/ml
ortho-Terphenyl (SURR)	11.824	11.824	5041879	30.51		ug/ml
1-chlorooctadecane (SURR)	13.268	13.268	3789491	31.07		ug/ml
Aliphatic C9-C28	3.071	17.204	5354589	41.617	1200	ug/ml