

Report of Analysis

Client:	PSEG	Date Collected:	06/26/25
Project:	PSEG Bergen Point	Date Received:	06/26/25
Client Sample ID:	TP-4	SDG No.:	Q2429
Lab Sample ID:	Q2429-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.8
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
06/27/25 08:30	06/27/25 16:54	PB168635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	6.20		1	1.33	2.25	mg/kg	FE054616.D
Aliphatic C9-C28	Aliphatic C9-C28	4.08	J	1	1.02	4.49	mg/kg	FE054616.D
Total AliphaticEPH	Total AliphaticEPH	10.3			2.35	6.74	mg/kg	
Total EPH	Total EPH	10.3			2.35	6.74	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:	06/26/25
Project:	PSEG Bergen Point	Date Received:	06/26/25
Client Sample ID:	TP-4	SDG No.:	Q2429
Lab Sample ID:	Q2429-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054616.D	1	06/27/25	06/27/25	PB168635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.08	J	1.02	4.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.20		1.33	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.2		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:	Q2429-01	Acq On:	27 Jun 2025 16:54
Client Sample ID:	TP-4	Operator:	YP\AJ
Data file:	FE054616.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.317	6.943	4413510	32.439	300	ug/ml
Aliphatic C12-C16	6.944	10.391	787028	5.599	200	ug/ml
Aliphatic C16-C21	10.392	13.764	869818	6.024	300	ug/ml
Aliphatic C21-C28	13.765	17.429	1501114	10.377	400	ug/ml
Aliphatic C28-C40	17.430	22.428	11471472	82.738	600	ug/ml
Aliphatic EPH	3.317	22.428	19042942	137.178		ug/ml
ortho-Terphenyl (SURR)	12.064	12.064	4959339	30.54		ug/ml
1-chlorooctadecane (SURR)	13.499	13.499	3934922	31.16		ug/ml
Aliphatic C9-C28	3.317	17.429	7571470	54.439	1200	ug/ml