

Report of Analysis

Client:	PSEG	Date Collected:	07/08/25
Project:	PSEG Bergen Point	Date Received:	07/08/25
Client Sample ID:	TP-15	SDG No.:	Q2519
Lab Sample ID:	Q2519-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.5
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
07/09/25 09:30	07/09/25 15:22	PB168768

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.81		1	1.38	2.34	mg/kg	FE054758.D
Aliphatic C9-C28	Aliphatic C9-C28	1.68	J	1	1.06	4.68	mg/kg	FE054758.D
Total AliphaticEPH	Total AliphaticEPH	7.49			2.44	7.02	mg/kg	
Total EPH	Total EPH	7.49			2.44	7.02	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:	07/08/25
Project:	PSEG Bergen Point	Date Received:	07/08/25
Client Sample ID:	TP-15	SDG No.:	Q2519
Lab Sample ID:	Q2519-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.5
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054758.D	1	07/09/25	07/09/25	PB168768

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	1.68	J	1.06	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.81		1.38	2.34	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.9		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.5		40 - 140	71%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2519-01	Acq On:	09 Jul 2025 15:22
Client Sample ID:	TP-15	Operator:	YP\AJ
Data file:	FE054758.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.321	6.954	305005	2.242	300	ug/ml
Aliphatic C12-C16	6.955	10.406	839238	5.97	200	ug/ml
Aliphatic C16-C21	10.407	13.784	734889	5.089	300	ug/ml
Aliphatic C21-C28	13.785	17.454	1189281	8.222	400	ug/ml
Aliphatic C28-C40	17.455	22.477	10340388	74.58	600	ug/ml
Aliphatic EPH	3.321	22.477	13408801	96.104		ug/ml
ortho-Terphenyl (SURR)	12.082	12.082	5763318	35.49		ug/ml
1-chlorooctadecane (SURR)	13.518	13.518	4535145	35.91		ug/ml
Aliphatic C9-C28	3.321	17.454	3068413	21.523	1200	ug/ml