

Report of Analysis

Client:	PSEG	Date Collected:	06/28/25
Project:	PSEG Bergen Point	Date Received:	06/30/25
Client Sample ID:	TP-1-EPH	SDG No.:	Q2459
Lab Sample ID:	Q2459-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.7
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
07/01/25 09:00	07/01/25 15:10	PB168673

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.63		1	1.33	2.25	mg/kg	FE054658.D
Aliphatic C9-C28	Aliphatic C9-C28	3.98	J	1	1.02	4.49	mg/kg	FE054658.D
Total AliphaticEPH	Total AliphaticEPH	9.61			2.35	6.74	mg/kg	
Total EPH	Total EPH	9.61			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

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Sample Wt/Vol:	30.08 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
FE054658.D	1	07/01/25	07/01/25	PB168673

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.98	J	1.02	4.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.63		1.33	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.6		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.5		40 - 140	57%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2459-02	Acq On:	01 Jul 2025 15:10
Client Sample ID:	TP-1-EPH	Operator:	YP\AJ
Data file:	FE054658.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.319	6.950	2667607	19.607	300	ug/ml
Aliphatic C12-C16	6.951	10.401	1031734	7.34	200	ug/ml
Aliphatic C16-C21	10.402	13.777	1682709	11.654	300	ug/ml
Aliphatic C21-C28	13.778	17.446	2097395	14.5	400	ug/ml
Aliphatic C28-C40	17.447	22.459	10415437	75.122	600	ug/ml
Aliphatic EPH	3.319	22.459	17894882	128.222		ug/ml
ortho-Terphenyl (SURR)	12.075	12.075	4635132	28.54		ug/ml
1-chlorooctadecane (SURR)	13.512	13.512	3737684	29.6		ug/ml
Aliphatic C9-C28	3.319	17.446	7479445	53.101	1200	ug/ml