

Report of Analysis

Client:	PSEG	Date Collected:	06/28/25
Project:	PSEG Bergen Point	Date Received:	06/30/25
Client Sample ID:	TP-1	SDG No.:	Q2459
Lab Sample ID:	Q2459-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.2
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
07/01/25 09:00	07/01/25 14:40	PB168673

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	7.05		1	1.34	2.26	mg/kg FE054657.D
Aliphatic C9-C28	Aliphatic C9-C28	4.54		1	1.03	4.52	mg/kg FE054657.D
Total AliphaticEPH	Total AliphaticEPH	11.6			2.37	6.78	mg/kg
Total EPH	Total EPH	11.6			2.37	6.78	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:	88.2
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054657.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	4.54		1.03	4.52	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.05		1.34	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.5		40 - 140	73%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.0		40 - 140	70%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2459-01	Acq On:	01 Jul 2025 14:40
Client Sample ID:	TP-1	Operator:	YP\AJ
Data file:	FE054657.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.319	6.950	2247206	16.517	300	ug/ml
Aliphatic C12-C16	6.951	10.401	1617640	11.508	200	ug/ml
Aliphatic C16-C21	10.402	13.777	2560695	17.734	300	ug/ml
Aliphatic C21-C28	13.778	17.446	2071496	14.321	400	ug/ml
Aliphatic C28-C40	17.447	22.459	12952785	93.422	600	ug/ml
Aliphatic EPH	3.319	22.459	21449822	153.502		ug/ml
ortho-Terphenyl (SURR)	12.079	12.079	5684703	35.01		ug/ml
1-chlorooctadecane (SURR)	13.515	13.515	4604355	36.46		ug/ml
Aliphatic C9-C28	3.319	17.446	8497037	60.08	1200	ug/ml