

Report of Analysis

Client:	PSEG	Date Collected:	06/10/25
Project:	PSEG Bergen Point	Date Received:	06/10/25
Client Sample ID:	TP-2-EPH	SDG No.:	Q2278
Lab Sample ID:	Q2278-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.2
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
06/11/25 10:05	06/12/25 9:08	PB168413

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	52.3		2	2.64	4.47	mg/kg FE054329.D
Aliphatic C9-C28	Aliphatic C9-C28	10.3		1	1.02	4.47	mg/kg FE054320.D
Total AliphaticEPH	Total AliphaticEPH	62.6			3.66	8.95	mg/kg
Total EPH	Total EPH	62.6			3.66	8.95	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054320.D	1	06/11/25	06/11/25	PB168413

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	10.3		1.02	4.47	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	49.3	E	1.32	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.8		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.8		40 - 140	66%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2278-02	Acq On:	11 Jun 2025 21:23
Client Sample ID:	TP-2-EPH	Operator:	YP\AJ
Data file:	FE054320.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.078	6.723	1702122	13.589	300	ug/ml
Aliphatic C12-C16	6.724	10.169	3020093	23.027	200	ug/ml
Aliphatic C16-C21	10.170	13.542	4653149	34.744	300	ug/ml
Aliphatic C21-C28	13.543	17.208	8573208	67.469	400	ug/ml
Aliphatic C28-C40	17.209	22.074	84752801	660.864	600	ug/ml
Aliphatic EPH	3.078	22.074	102701373	799.694		ug/ml
ortho-Terphenyl (SURR)	11.830	11.830	5422583	32.82		ug/ml
1-chlorooctadecane (SURR)	13.275	13.275	4364255	35.79		ug/ml
Aliphatic C9-C28	3.078	17.208	17948572	138.829	1200	ug/ml