

Report of Analysis

Client:	PSEG	Date Collected:	06/10/25
Project:	PSEG Bergen Point	Date Received:	06/10/25
Client Sample ID:	TP-2	SDG No.:	Q2278
Lab Sample ID:	Q2278-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.6
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
06/11/25 10:05	06/12/25 8:38	PB168413

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	77.9		5	6.57	11.1	mg/kg	FE054328.D
Aliphatic C9-C28	Aliphatic C9-C28	9.92		1	1.01	4.45	mg/kg	FE054319.D
Total AliphaticEPH	Total AliphaticEPH	87.8			7.58	15.6	mg/kg	
Total EPH	Total EPH	87.8			7.58	15.6	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
FE054319.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	9.92		1.01	4.45	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	89.8	E	1.31	2.23	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.2		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.8		40 - 140	62%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2278-01	Acq On:	11 Jun 2025 20:53
Client Sample ID:	TP-2	Operator:	YP\AJ
Data file:	FE054319.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.078	6.723	1237317	9.878	300	ug/ml
Aliphatic C12-C16	6.724	10.169	2468730	18.823	200	ug/ml
Aliphatic C16-C21	10.170	13.542	3183800	23.773	300	ug/ml
Aliphatic C21-C28	13.543	17.208	10295201	81.021	400	ug/ml
Aliphatic C28-C40	17.209	22.074	155150575	1210	600	ug/ml
Aliphatic EPH	3.078	22.074	172335623	1340		ug/ml
ortho-Terphenyl (SURR)	11.829	11.829	5095454	30.84		ug/ml
1-chlorooctadecane (SURR)	13.274	13.274	4050540	33.22		ug/ml
Aliphatic C9-C28	3.078	17.208	17185048	133.495	1200	ug/ml