

Report of Analysis

Client:	PSEG	Date Collected:	06/20/25
Project:	PSEG Bergen Point	Date Received:	06/20/25
Client Sample ID:	TP-12	SDG No.:	Q2388
Lab Sample ID:	Q2388-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.1
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/23/25 09:25	06/23/25 20:26	PB168581

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	12.6		1	1.31	2.21	mg/kg FC069252.D
Aliphatic C9-C28	Aliphatic C9-C28	111		2	2.01	8.85	mg/kg FC069260.D
Total AliphaticEPH	Total AliphaticEPH	123			3.32	11.1	mg/kg
Total EPH	Total EPH	123			3.32	11.1	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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Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069252.D	1	06/23/25	06/23/25	PB168581

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	109	E	1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	12.6		1.31	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	44.7		40 - 140	89%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.2		40 - 140	86%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2388-01	Acq On:	23 Jun 2025 20:26
Client Sample ID:	TP-12	Operator:	YP/AJ
Data file:	FC069252.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.306	6.606	13470327	91.835	300	ug/ml
Aliphatic C12-C16	6.607	10.011	97448115	612.071	200	ug/ml
Aliphatic C16-C21	10.012	13.381	103794309	672.094	300	ug/ml
Aliphatic C21-C28	13.382	17.047	13827224	103.214	400	ug/ml
Aliphatic C28-C40	17.048	22.033	15694047	170.357	600	ug/ml
Aliphatic EPH	3.306	22.033	244234022	1650		ug/ml
ortho-Terphenyl (SURR)	11.686	11.686	7464783	43.21		ug/ml
1-chlorooctadecane (SURR)	13.121	13.121	5843602	44.73		ug/ml
Aliphatic C9-C28	3.306	17.047	228539975	1480	1200	ug/ml