

## Report of Analysis

Client:	PSEG	Date Collected:	06/20/25
Project:	PSEG Bergen Point	Date Received:	06/20/25
Client Sample ID:	TP-12-EPH	SDG No.:	Q2388
Lab Sample ID:	Q2388-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.8
Sample Wt/Vol:	30.05	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 21:13	PB168581

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
<b>TARGETS</b>							
Aliphatic C28-C40	Aliphatic C28-C40	9.59		1	1.31	2.22	mg/kg FC069253.D
Aliphatic C9-C28	Aliphatic C9-C28	22.2		1	1.01	4.44	mg/kg FC069253.D
Total AliphaticEPH	Total AliphaticEPH	31.8			2.32	6.66	mg/kg
Total EPH	Total EPH	31.8			2.32	6.66	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:	30.05      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
FC069253.D	1	06/23/25	06/23/25	PB168581

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
<b>TARGETS</b>						
Aliphatic C9-C28	Aliphatic C9-C28	22.2		1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.59		1.31	2.22	mg/kg
<b>SURROGATES</b>						
3383-33-2	1-chlorooctadecane (SURR)	36.8		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.3		40 - 140	73%	SPK: 50

## Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2388-02	Acq On:	23 Jun 2025 21:13
Client Sample ID:	TP-12-EPH	Operator:	YP/AJ
Data file:	FC069253.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.306	6.606	5367003	36.59	300	ug/ml
Aliphatic C12-C16	6.607	10.011	14442265	90.712	200	ug/ml
Aliphatic C16-C21	10.012	13.381	21871099	141.621	300	ug/ml
Aliphatic C21-C28	13.382	17.047	4139023	30.896	400	ug/ml
Aliphatic C28-C40	17.048	22.033	11923366	129.427	600	ug/ml
Aliphatic EPH	3.306	22.033	57742756	429.245		ug/ml
ortho-Terphenyl (SURR)	11.683	11.683	6272310	36.31		ug/ml
1-chlorooctadecane (SURR)	13.118	13.118	4808685	36.81		ug/ml
Aliphatic C9-C28	3.306	17.047	45819390	299.819	1200	ug/ml