

Report of Analysis

Client:	PSEG	Date Collected:	06/13/25
Project:	PSEG Bergen Point	Date Received:	06/13/25
Client Sample ID:	TP-8-EPH	SDG No.:	Q2325
Lab Sample ID:	Q2325-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/16/25 08:50	06/17/25 4:48	PB168485

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.92		1	1.46	2.47	mg/kg	FE054430.D
Aliphatic C9-C28	Aliphatic C9-C28	2.73	J	1	1.13	4.95	mg/kg	FE054430.D
Total AliphaticEPH	Total AliphaticEPH	8.65			2.59	7.42	mg/kg	
Total EPH	Total EPH	8.65			2.59	7.42	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
FE054430.D	1	06/16/25	06/17/25	PB168485

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.73	J	1.13	4.95	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.92		1.46	2.47	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.2		40 - 140	82%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.9		40 - 140	78%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2325-02	Acq On:	17 Jun 2025 04:48
Client Sample ID:	TP-8-EPH	Operator:	YP\AJ
Data file:	FE054430.D	Misc:	
Instrument:	FID_E	ALS Vial:	32
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.075	6.719	1549079	12.367	300	ug/ml
Aliphatic C12-C16	6.720	10.165	803166	6.124	200	ug/ml
Aliphatic C16-C21	10.166	13.538	723499	5.402	300	ug/ml
Aliphatic C21-C28	13.539	17.207	1171731	9.221	400	ug/ml
Aliphatic C28-C40	17.208	22.075	9216902	71.869	600	ug/ml
Aliphatic EPH	3.075	22.075	13464377	104.984		ug/ml
ortho-Terphenyl (SURR)	11.826	11.826	6428886	38.91		ug/ml
1-chlorooctadecane (SURR)	13.271	13.271	5027418	41.23		ug/ml
Aliphatic C9-C28	3.075	17.207	4247475	33.114	1200	ug/ml