

Report of Analysis

Client:	PSEG	Date Collected:	06/12/25
Project:	PSEG Bergen Point	Date Received:	06/12/25
Client Sample ID:	TP-7-EPH	SDG No.:	Q2310
Lab Sample ID:	Q2310-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/13/25 09:00	06/13/25 21:23	PB168463

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	10.5		1	1.34	2.27	mg/kg	FE054394.D
Aliphatic C9-C28	Aliphatic C9-C28	4.29	J	1	1.03	4.55	mg/kg	FE054394.D
Total AliphaticEPH	Total AliphaticEPH	14.8			2.37	6.82	mg/kg	
Total EPH	Total EPH	14.8			2.37	6.82	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 :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054394.D	1	06/13/25	06/13/25	PB168463

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.29	J	1.03	4.55	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	10.5		1.34	2.27	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	56.3		40 - 140	113%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	52.0		40 - 140	104%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2310-02	Acq On:	13 Jun 2025 21:23
Client Sample ID:	TP-7-EPH	Operator:	YP\AJ
Data file:	FE054394.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	3.073	6.718	2026567	16.18	300	ug/ml
Aliphatic C12-C16	6.719	10.163	1414029	10.782	200	ug/ml
Aliphatic C16-C21	10.164	13.535	966935	7.22	300	ug/ml
Aliphatic C21-C28	13.536	17.200	2870961	22.594	400	ug/ml
Aliphatic C28-C40	17.201	22.059	17873281	139.368	600	ug/ml
Aliphatic EPH	3.073	22.059	25151773	196.143		ug/ml
ortho-Terphenyl (SURR)	11.825	11.825	8584018	51.95		ug/ml
1-chlorooctadecane (SURR)	13.269	13.269	6861711	56.27		ug/ml
Aliphatic C9-C28	3.073	17.200	7278492	56.776	1200	ug/ml