

Report of Analysis

Client:	PSEG	Date Collected:	06/16/25
Project:	PSEG Bergen Point	Date Received:	06/16/25
Client Sample ID:	EP-3	SDG No.:	Q2341
Lab Sample ID:	Q2341-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.1
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/17/25 09:40	06/18/25 3:04	PB168506

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	7.10		1	1.29	2.19	mg/kg	FE054466.D
Aliphatic C9-C28	Aliphatic C9-C28	2.85	J	1	1.00	4.39	mg/kg	FE054466.D
Total AliphaticEPH	Total AliphaticEPH	9.95			2.29	6.58	mg/kg	
Total EPH	Total EPH	9.95			2.29	6.58	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
FE054466.D	1	06/17/25	06/18/25	PB168506

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.85	J	1.00	4.39	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.10		1.29	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.8		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.1		40 - 140	78%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2341-05	Acq On:	18 Jun 2025 03:04
Client Sample ID:	EP-3	Operator:	YP\AJ
Data file:	FE054466.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	3.073	6.717	1782615	14.232	300	ug/ml
Aliphatic C12-C16	6.718	10.164	924853	7.052	200	ug/ml
Aliphatic C16-C21	10.165	13.536	925649	6.912	300	ug/ml
Aliphatic C21-C28	13.537	17.202	1371366	10.792	400	ug/ml
Aliphatic C28-C40	17.203	22.064	12464906	97.196	600	ug/ml
Aliphatic EPH	3.073	22.064	17469389	136.183		ug/ml
ortho-Terphenyl (SURR)	11.827	11.827	6458334	39.09		ug/ml
1-chlorooctadecane (SURR)	13.271	13.271	5099521	41.82		ug/ml
Aliphatic C9-C28	3.073	17.202	5004483	38.988	1200	ug/ml