

Report of Analysis

Client:	PSEG	Date Collected:	06/18/25
Project:	PSEG Bergen Point	Date Received:	06/18/25
Client Sample ID:	EP-6	SDG No.:	Q2362
Lab Sample ID:	Q2362-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/20/25 09:30	06/20/25 17:52	PB168561

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	8.50		1	1.32	2.25	mg/kg	FE054525.D
Aliphatic C9-C28	Aliphatic C9-C28	3.95	J	1	1.02	4.49	mg/kg	FE054525.D
Total AliphaticEPH	Total AliphaticEPH	12.4			2.34	6.74	mg/kg	
Total EPH	Total EPH	12.4			2.34	6.74	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
FE054525.D	1	06/20/25	06/20/25	PB168561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.95	J	1.02	4.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.50		1.32	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.0		40 - 140	68%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.7		40 - 140	63%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2362-05	Acq On:	20 Jun 2025 17:52
Client Sample ID:	EP-6	Operator:	YP\AJ
Data file:	FE054525.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.072	6.716	2049901	16.366	300	ug/ml
Aliphatic C12-C16	6.717	10.164	1174743	8.957	200	ug/ml
Aliphatic C16-C21	10.165	13.537	1144144	8.543	300	ug/ml
Aliphatic C21-C28	13.538	17.205	2386521	18.781	400	ug/ml
Aliphatic C28-C40	17.206	22.069	14558415	113.52	600	ug/ml
Aliphatic EPH	3.072	22.069	21313724	166.167		ug/ml
ortho-Terphenyl (SURR)	11.822	11.822	5235197	31.68		ug/ml
1-chlorooctadecane (SURR)	13.267	13.267	4148849	34.02		ug/ml
Aliphatic C9-C28	3.072	17.205	6755309	52.647	1200	ug/ml