

Report of Analysis

Client:	PSEG	Date Collected:	06/12/25
Project:	PSEG Bergen Point	Date Received:	06/12/25
Client Sample ID:	TP-7	SDG No.:	Q2310
Lab Sample ID:	Q2310-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.7
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/13/25 09:00	06/13/25 19:22	PB168463

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.06		1	1.33	2.25	mg/kg	FE054390.D
Aliphatic C9-C28	Aliphatic C9-C28	2.62	J	1	1.02	4.51	mg/kg	FE054390.D
Total AliphaticEPH	Total AliphaticEPH	6.68	J		2.36	6.76	mg/kg	
Total EPH	Total EPH	6.68	J		2.36	6.76	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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Analytical Method:	NJEPH	% Solid:	88.7
Sample Wt/Vol:	30.02 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
FE054390.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	2.62	J	1.02	4.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.06		1.33	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.0		40 - 140	86%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.9		40 - 140	78%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2310-01	Acq On:	13 Jun 2025 19:22
Client Sample ID:	TP-7	Operator:	YP\AJ
Data file:	FE054390.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.073	6.718	1162455	9.281	300	ug/ml
Aliphatic C12-C16	6.719	10.163	1064507	8.117	200	ug/ml
Aliphatic C16-C21	10.164	13.535	686777	5.128	300	ug/ml
Aliphatic C21-C28	13.536	17.200	1574587	12.392	400	ug/ml
Aliphatic C28-C40	17.201	22.059	6924858	53.997	600	ug/ml
Aliphatic EPH	3.073	22.059	11413184	88.914		ug/ml
ortho-Terphenyl (SURR)	11.824	11.824	6435047	38.94		ug/ml
1-chlorooctadecane (SURR)	13.268	13.268	5238137	42.95		ug/ml
Aliphatic C9-C28	3.073	17.200	4488326	34.918	1200	ug/ml