

Report of Analysis

Client:	PSEG	Date Collected:	06/09/25
Project:	PSEG Blair Road Sub	Date Received:	06/09/25
Client Sample ID:	WC-4-EPH	SDG No.:	Q2273
Lab Sample ID:	Q2273-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.5
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
06/10/25 08:41	06/10/25 19:19	PB168374

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	3.34		1	1.36	2.31	mg/kg
Aliphatic C9-C28	Aliphatic C9-C28	7.53		1	1.05	4.63	mg/kg
Total AliphaticEPH	Total AliphaticEPH	10.9			2.41	6.94	mg/kg
Total EPH	Total EPH	10.9			2.41	6.94	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054295.D	1	06/10/25	06/10/25	PB168374

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	7.53		1.05	4.63	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.34		1.36	2.31	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	68.5		40 - 140	137%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	59.5		40 - 140	119%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2273-02	Acq On:	10 Jun 2025 19:19
Client Sample ID:	WC-4-EPH	Operator:	YP\AJ
Data file:	FE054295.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	3.080	6.725	175474	1.401	300	ug/ml
Aliphatic C12-C16	6.726	10.172	983105	7.496	200	ug/ml
Aliphatic C16-C21	10.173	13.546	10410688	77.735	300	ug/ml
Aliphatic C21-C28	13.547	17.214	1587533	12.493	400	ug/ml
Aliphatic C28-C40	17.215	22.084	5565083	43.394	600	ug/ml
Aliphatic EPH	3.080	22.084	18721883	142.519		ug/ml
ortho-Terphenyl (SURR)	11.836	11.836	9839782	59.55		ug/ml
1-chlorooctadecane (SURR)	13.280	13.280	8356668	68.53		ug/ml
Aliphatic C9-C28	3.080	17.214	13156800	99.125	1200	ug/ml