

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	SDG No.:	Q2273
Lab Sample ID:	Q2273-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	76.3
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/10/25 08:41	06/10/25 18:49	PB168374

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	5.11		1	1.54	2.62	mg/kg FE054294.D
Aliphatic C9-C28	Aliphatic C9-C28	8.06		1	1.19	5.24	mg/kg FE054294.D
Total AliphaticEPH	Total AliphaticEPH	13.2			2.73	7.86	mg/kg
Total EPH	Total EPH	13.2			2.73	7.86	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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Lab Sample ID:	Q2273-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	76.3
Sample Wt/Vol:	30.03 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
FE054294.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	8.06		1.19	5.24	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.11		1.54	2.62	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	61.4		40 - 140	123%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	52.2		40 - 140	104%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2273-01	Acq On:	10 Jun 2025 18:49
Client Sample ID:	WC-4	Operator:	YP\AJ
Data file:	FE054294.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.080	6.725	253849	2.027	300	ug/ml
Aliphatic C12-C16	6.726	10.172	1587368	12.103	200	ug/ml
Aliphatic C16-C21	10.173	13.546	9229115	68.912	300	ug/ml
Aliphatic C21-C28	13.547	17.214	1423726	11.204	400	ug/ml
Aliphatic C28-C40	17.215	22.084	7506934	58.536	600	ug/ml
Aliphatic EPH	3.080	22.084	20000992	152.782		ug/ml
ortho-Terphenyl (SURR)	11.834	11.834	8619110	52.16		ug/ml
1-chlorooctadecane (SURR)	13.279	13.279	7484421	61.37		ug/ml
Aliphatic C9-C28	3.080	17.214	12494058	94.246	1200	ug/ml