

Report of Analysis

Client:	PSEG	Date Collected:	06/09/25
Project:	PSEG Blair Road Sub	Date Received:	06/09/25
Client Sample ID:	WC-6-EPH	SDG No.:	Q2273
Lab Sample ID:	Q2273-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.9
Sample Wt/Vol:	30.04	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 20:19	PB168374

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.49		1	1.31	2.22	mg/kg	FE054297.D
Aliphatic C9-C28	Aliphatic C9-C28	1.82	J	1	1.01	4.44	mg/kg	FE054297.D
Total AliphaticEPH	Total AliphaticEPH	5.31	J		2.32	6.66	mg/kg	
Total EPH	Total EPH	5.31	J		2.32	6.66	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:	89.9
Sample Wt/Vol:	30.04 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
FE054297.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	1.82	J	1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.49		1.31	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	56.2		40 - 140	112%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	49.6		40 - 140	99%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2273-06	Acq On:	10 Jun 2025 20:19
Client Sample ID:	WC-6-EPH	Operator:	YP\AJ
Data file:	FE054297.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.080	6.725	216958	1.732	300	ug/ml
Aliphatic C12-C16	6.726	10.172	1339924	10.217	200	ug/ml
Aliphatic C16-C21	10.173	13.546	565720	4.224	300	ug/ml
Aliphatic C21-C28	13.547	17.214	1291986	10.168	400	ug/ml
Aliphatic C28-C40	17.215	22.084	6047508	47.156	600	ug/ml
Aliphatic EPH	3.080	22.084	9462096	73.496		ug/ml
ortho-Terphenyl (SURR)	11.834	11.834	8201502	49.64		ug/ml
1-chlorooctadecane (SURR)	13.279	13.279	6858495	56.24		ug/ml
Aliphatic C9-C28	3.080	17.214	3414588	26.341	1200	ug/ml