

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	SDG No.:	Q2273
Lab Sample ID:	Q2273-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.4
Sample Wt/Vol:	30.07	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 19:49	PB168374

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	3.81		1	1.35	2.28	mg/kg FE054296.D
Aliphatic C9-C28	Aliphatic C9-C28	12.3		1	1.04	4.56	mg/kg FE054296.D
Total AliphaticEPH	Total AliphaticEPH	16.2			2.39	6.84	mg/kg
Total EPH	Total EPH	16.2			2.39	6.84	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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Sample Wt/Vol:	30.07 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
FE054296.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	12.3		1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.81		1.35	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	66.3		40 - 140	133%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	60.9		40 - 140	122%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2273-05	Acq On:	10 Jun 2025 19:49
Client Sample ID:	WC-6	Operator:	YP\AJ
Data file:	FE054296.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.080	6.725	236732	1.89	300	ug/ml
Aliphatic C12-C16	6.726	10.172	1329922	10.14	200	ug/ml
Aliphatic C16-C21	10.173	13.546	18802139	140.392	300	ug/ml
Aliphatic C21-C28	13.547	17.214	1455881	11.457	400	ug/ml
Aliphatic C28-C40	17.215	22.084	6425002	50.099	600	ug/ml
Aliphatic EPH	3.080	22.084	28249676	213.979		ug/ml
ortho-Terphenyl (SURR)	11.835	11.835	10064411	60.91		ug/ml
1-chlorooctadecane (SURR)	13.279	13.279	8086237	66.31		ug/ml
Aliphatic C9-C28	3.080	17.214	21824674	163.879	1200	ug/ml