

Report of Analysis

Client:	PSEG	Date Collected:	06/06/25
Project:	PSEG Blair Road Sub	Date Received:	06/06/25
Client Sample ID:	WC-5-EPH	SDG No.:	Q2266
Lab Sample ID:	Q2266-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.6
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/09/25 08:30	06/09/25 16:40	PB168341

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	8.40		1	1.35	2.28	mg/kg FG015997.D
Aliphatic C9-C28	Aliphatic C9-C28	6.34		1	1.04	4.56	mg/kg FG015997.D
Total AliphaticEPH	Total AliphaticEPH	14.7			2.39	6.84	mg/kg
Total EPH	Total EPH	14.7			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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015997.D	1	06/09/25	06/09/25	PB168341

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	6.34		1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.40		1.35	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.6		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.5		40 - 140	65%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2266-06	Acq On:	09 Jun 2025 16:40
Client Sample ID:	WC-5-EPH	Operator:	YP\AJ
Data file:	FG015997.D	Misc:	
Instrument:	FID_G	ALS Vial:	29
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.117	6.761	211738	1.865	300	ug/ml
Aliphatic C12-C16	6.762	10.212	924900	7.924	200	ug/ml
Aliphatic C16-C21	10.213	13.587	9235302	75.576	300	ug/ml
Aliphatic C21-C28	13.588	17.261	899636	7.488	400	ug/ml
Aliphatic C28-C40	17.262	22.159	12201736	110.49	600	ug/ml
Aliphatic EPH	3.117	22.159	23473312	203.342		ug/ml
ortho-Terphenyl (SURR)	11.874	11.874	4830928	32.45		ug/ml
1-chlorooctadecane (SURR)	13.319	13.319	3983401	34.58		ug/ml
Aliphatic C9-C28	3.117	17.261	11271576	92.853	1200	ug/ml