

Report of Analysis

Client:	PSEG	Date Collected:	04/08/25
Project:	PSEG Blair Road Sub	Date Received:	04/08/25
Client Sample ID:	WC-2-EPH	SDG No.:	Q1753
Lab Sample ID:	Q1753-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.6
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
04/09/25 09:51	04/09/25 22:14	PB167528

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	3.76		1	1.36	2.31	mg/kg FE053289.D
Aliphatic C9-C28	Aliphatic C9-C28	5.13		1	1.05	4.61	mg/kg FE053289.D
Total AliphaticEPH	Total AliphaticEPH	8.88			2.41	6.92	mg/kg
Total EPH	Total EPH	8.88			2.41	6.92	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:	30.01 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
FE053289.D	1	04/09/25	04/09/25	PB167528

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.13		1.05	4.61	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.76		1.36	2.31	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	65.7		40 - 140	131%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	63.5		40 - 140	127%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1753-06	Acq On:	09 Apr 2025 22:14
Client Sample ID:	WC-2-EPH	Operator:	YP\AJ
Data file:	FE053289.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.135	6.774	1287047	8.249	300	ug/ml
Aliphatic C12-C16	6.775	10.223	2805692	18.262	200	ug/ml
Aliphatic C16-C21	10.224	13.598	2262267	15.673	300	ug/ml
Aliphatic C21-C28	13.599	17.267	3257411	24.246	400	ug/ml
Aliphatic C28-C40	17.268	22.161	6077383	48.91	600	ug/ml
Aliphatic EPH	3.135	22.161	15689800	115.341		ug/ml
ortho-Terphenyl (SURR)	11.890	11.890	10351191	63.55		ug/ml
1-chlorooctadecane (SURR)	13.334	13.334	7885919	65.69		ug/ml
Aliphatic C9-C28	3.135	17.267	9612417	66.43	1200	ug/ml