

Report of Analysis

Client:	PSEG	Date Collected:	09/24/25
Project:	PSEG Fairview Loop	Date Received:	09/24/25
Client Sample ID:	WC-4-EPH	SDG No.:	Q3183
Lab Sample ID:	Q3183-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
09/25/25 10:00	09/25/25 20:20	PB169828

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	12.3		1	1.44	2.44	mg/kg	FE056005.D
Aliphatic C9-C28	Aliphatic C9-C28	4.44	J	1	1.11	4.88	mg/kg	FE056005.D
Total AliphaticEPH	Total AliphaticEPH	16.7			2.55	7.32	mg/kg	
Total EPH	Total EPH	16.7			2.55	7.32	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:	30.06 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
FE056005.D	1	09/25/25	09/25/25	PB169828

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.44	J	1.11	4.88	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	12.3		1.44	2.44	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	51.2		40 - 140	102%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	47.8		40 - 140	96%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3183-05	Acq On:	25 Sep 2025 20:20
Client Sample ID:	WC-4-EPH	Operator:	YP\AJ
Data file:	FE056005.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.308	6.942	645660	4.611	300	ug/ml
Aliphatic C12-C16	6.943	10.393	1348796	8.794	200	ug/ml
Aliphatic C16-C21	10.394	13.773	1644592	9.914	300	ug/ml
Aliphatic C21-C28	13.774	17.445	4642854	31.259	400	ug/ml
Aliphatic C28-C40	17.446	22.457	20570392	150.973	600	ug/ml
Aliphatic EPH	3.308	22.457	28852294	205.552		ug/ml
ortho-Terphenyl (SURR)	12.072	12.072	8978055	47.84		ug/ml
1-chlorooctadecane (SURR)	13.509	13.509	7149863	51.23		ug/ml
Aliphatic C9-C28	3.308	17.445	8281902	54.578	1200	ug/ml