

Report of Analysis

Client:	PSEG	Date Collected:	09/24/25
Project:	PSEG Fairview Loop	Date Received:	09/24/25
Client Sample ID:	WC-1-EPH	SDG No.:	Q3183
Lab Sample ID:	Q3183-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/25/25 10:00	09/25/25 19:19	PB169828

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.93		1	1.37	2.31	mg/kg	FE056003.D
Aliphatic C9-C28	Aliphatic C9-C28	4.47	J	1	1.05	4.63	mg/kg	FE056003.D
Total AliphaticEPH	Total AliphaticEPH	10.4			2.42	6.94	mg/kg	
Total EPH	Total EPH	10.4			2.42	6.94	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE056003.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	4.47	J	1.05	4.63	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.93		1.37	2.31	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.1		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.1		40 - 140	62%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3183-02	Acq On:	25 Sep 2025 19:19
Client Sample ID:	WC-1-EPH	Operator:	YP\AJ
Data file:	FE056003.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.308	6.942	405991	2.899	300	ug/ml
Aliphatic C12-C16	6.943	10.393	626118	4.082	200	ug/ml
Aliphatic C16-C21	10.394	13.773	6752319	40.706	300	ug/ml
Aliphatic C21-C28	13.774	17.445	1516192	10.208	400	ug/ml
Aliphatic C28-C40	17.446	22.457	10477842	76.901	600	ug/ml
Aliphatic EPH	3.308	22.457	19778462	134.796		ug/ml
ortho-Terphenyl (SURR)	12.071	12.071	5830402	31.07		ug/ml
1-chlorooctadecane (SURR)	13.507	13.507	4478940	32.09		ug/ml
Aliphatic C9-C28	3.308	17.445	9300620	57.895	1200	ug/ml