

Report of Analysis

Client:	PSEG	Date Collected:	09/24/25
Project:	PSEG Fairview Loop	Date Received:	09/24/25
Client Sample ID:	WC-1	SDG No.:	Q3183
Lab Sample ID:	Q3183-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.6
Sample Wt/Vol:	30.09	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 19:16	PB169828

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.77		1	1.37	2.33	mg/kg	FC069839.D
Aliphatic C9-C28	Aliphatic C9-C28	3.33	J	1	1.06	4.65	mg/kg	FC069839.D
Total AliphaticEPH	Total AliphaticEPH	9.10			2.43	6.98	mg/kg	
Total EPH	Total EPH	9.10			2.43	6.98	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
FC069839.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	3.33	J	1.06	4.65	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.77		1.37	2.33	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.9		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.4		40 - 140	63%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3183-01	Acq On:	25 Sep 2025 19:16
Client Sample ID:	WC-1	Operator:	YP/AJ
Data file:	FC069839.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.300	6.595	648687	4.858	300	ug/ml
Aliphatic C12-C16	6.596	9.995	1049258	6.697	200	ug/ml
Aliphatic C16-C21	9.996	13.360	2601747	14.49	300	ug/ml
Aliphatic C21-C28	13.361	17.023	3032703	16.761	400	ug/ml
Aliphatic C28-C40	17.024	21.990	9568886	74.364	600	ug/ml
Aliphatic EPH	3.300	21.990	16901281	117.17		ug/ml
ortho-Terphenyl (SURR)	11.662	11.662	5878986	31.39		ug/ml
1-chlorooctadecane (SURR)	13.096	13.096	5194745	32.9		ug/ml
Aliphatic C9-C28	3.300	17.023	7332395	42.806	1200	ug/ml