

Report of Analysis

Client:	PSEG	Date Collected:	04/30/25
Project:	PSEG Elizabeth- Roselle Poles	Date Received:	04/30/25
Client Sample ID:	WC-12-EPH	SDG No.:	Q1916
Lab Sample ID:	Q1916-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93
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
05/01/25 08:45	05/01/25 15:18	PB167819

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.33		1	1.27	2.15	mg/kg	FE053607.D
Aliphatic C9-C28	Aliphatic C9-C28	1.50	J	1	0.98	4.29	mg/kg	FE053607.D
Total AliphaticEPH	Total AliphaticEPH	5.83	J		2.25	6.44	mg/kg	
Total EPH	Total EPH	5.83	J		2.25	6.44	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
FE053607.D	1	05/01/25	05/01/25	PB167819

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	1.50	J	0.98	4.29	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.33		1.27	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.7		40 - 140	57%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.8		40 - 140	54%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1916-02	Acq On:	01 May 2025 15:18
Client Sample ID:	WC-12-EPH	Operator:	YP\AJ
Data file:	FE053607.D	Misc:	
Instrument:	FID_E	ALS Vial:	10
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.114	6.754	434894	3.139	300	ug/ml
Aliphatic C12-C16	6.755	10.203	765241	5.396	200	ug/ml
Aliphatic C16-C21	10.204	13.577	525518	3.615	300	ug/ml
Aliphatic C21-C28	13.578	17.245	1242449	8.739	400	ug/ml
Aliphatic C28-C40	17.246	22.133	7802820	60.464	600	ug/ml
Aliphatic EPH	3.114	22.133	10770922	81.353		ug/ml
ortho-Terphenyl (SURR)	11.865	11.865	4824129	26.75		ug/ml
1-chlorooctadecane (SURR)	13.311	13.311	3882656	28.72		ug/ml
Aliphatic C9-C28	3.114	17.245	2968102	20.889	1200	ug/ml