

## Report of Analysis

Client:	PSEG	Date Collected:	02/05/25
Project:	PSEG Elizabeth - Roselle Parks	Date Received:	02/05/25
Client Sample ID:	WC-3-EPH	SDG No.:	Q1309
Lab Sample ID:	Q1309-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
02/06/25 09:45	02/06/25 17:02	PB166589

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
<b>TARGETS</b>							
Aliphatic C28-C40	Aliphatic C28-C40	10.0		1	2.07	2.30	mg/kg
Aliphatic C9-C28	Aliphatic C9-C28	4.90		1	1.98	4.60	mg/kg
Total AliphaticEPH	Total AliphaticEPH	14.9			4.05	6.90	mg/kg
Total EPH	Total EPH	14.9			4.05	6.90	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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<b>TARGETS</b>							
Aliphatic C28-C40	Aliphatic C28-C40	10.0		1	2.07	2.30	mg/kg FE052269.D
Aliphatic C9-C28	Aliphatic C9-C28	4.90		1	1.98	4.60	mg/kg FE052269.D
Total AliphaticEPH	Total AliphaticEPH	14.9			4.05	6.90	mg/kg
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Lab Sample ID:	Q1309-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87
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
FE052269.D	1	02/06/25	02/06/25	PB166589

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
<b>TARGETS</b>						
Aliphatic C9-C28	Aliphatic C9-C28	4.90		1.98	4.60	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	10.0		2.07	2.30	mg/kg
<b>SURROGATES</b>						
3383-33-2	1-chlorooctadecane (SURR)	38.7		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.0		40 - 140	72%	SPK: 50

## Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1309-06	Acq On:	06 Feb 2025 17:02
Client Sample ID:	WC-3-EPH	Operator:	YP\AJ
Data file:	FE052269.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.679	7.237	522014	5.427	300	ug/ml
Aliphatic C12-C16	7.238	10.641	610393	5.829	200	ug/ml
Aliphatic C16-C21	10.642	13.987	4700184	41.586	300	ug/ml
Aliphatic C21-C28	13.988	17.631	1879980	16.491	400	ug/ml
Aliphatic C28-C40	17.632	22.723	11976600	130.815	600	ug/ml
Aliphatic EPH	3.679	22.723	19689171	200.149		ug/ml
ortho-Terphenyl (SURR)	12.312	12.312	4459465	36.03		ug/ml
1-chlorooctadecane (SURR)	13.723	13.723	3820030	38.71		ug/ml
Aliphatic C9-C28	3.679	17.631	7712571	69.333	1200	ug/ml