

Report of Analysis

Client:	PSEG	Date Collected:	02/07/25
Project:	PSEG Elizabeth - Roselle Parks	Date Received:	02/07/25
Client Sample ID:	WC-13-EPH	SDG No.:	Q1343
Lab Sample ID:	Q1343-14	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.6
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/10/25 08:27	02/11/25 1:57	PB166637

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.87		1	2.13	2.36	mg/kg	FE052336.D
Aliphatic C9-C28	Aliphatic C9-C28	2.46	J	1	2.03	4.72	mg/kg	FE052336.D
Total AliphaticEPH	Total AliphaticEPH	6.33	J		4.16	7.08	mg/kg	
Total EPH	Total EPH	6.33	J		4.16	7.08	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
FE052336.D	1	02/10/25	02/11/25	PB166637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.46	J	2.03	4.72	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.87		2.13	2.36	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.7		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.6		40 - 140	77%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1343-14	Acq On:	11 Feb 2025 01:57
Client Sample ID:	WC-13-EPH	Operator:	YP\AJ
Data file:	FE052336.D	Misc:	
Instrument:	FID_E	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.682	7.240	761594	7.918	300	ug/ml
Aliphatic C12-C16	7.241	10.644	629210	6.009	200	ug/ml
Aliphatic C16-C21	10.645	13.990	584445	5.171	300	ug/ml
Aliphatic C21-C28	13.991	17.632	1378798	12.095	400	ug/ml
Aliphatic C28-C40	17.633	22.724	4498433	49.134	600	ug/ml
Aliphatic EPH	3.682	22.724	7852480	80.327		ug/ml
ortho-Terphenyl (SURR)	12.314	12.314	4777211	38.6		ug/ml
1-chlorooctadecane (SURR)	13.726	13.726	3916927	39.69		ug/ml
Aliphatic C9-C28	3.682	17.632	3354047	31.193	1200	ug/ml