

Report of Analysis

Client:	PSEG	Date Collected:	02/07/25
Project:	PSEG Elizabeth - Roselle Parks	Date Received:	02/07/25
Client Sample ID:	WC-7	SDG No.:	Q1343
Lab Sample ID:	Q1343-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.5
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
02/10/25 08:27	02/11/25 0:27	PB166637

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	8.33		1	2.03	2.26	mg/kg	FE052333.D
Aliphatic C9-C28	Aliphatic C9-C28	3.39	J	1	1.94	4.51	mg/kg	FE052333.D
Total AliphaticEPH	Total AliphaticEPH	11.7			3.97	6.77	mg/kg	
Total EPH	Total EPH	11.7			3.97	6.77	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052333.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	3.39	J	1.94	4.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.33		2.03	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.8		40 - 140	56%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.6		40 - 140	55%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1343-09	Acq On:	11 Feb 2025 00:27
Client Sample ID:	WC-7	Operator:	YP\AJ
Data file:	FE052333.D	Misc:	
Instrument:	FID_E	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.682	7.240	698722	7.264	300	ug/ml
Aliphatic C12-C16	7.241	10.644	658655	6.29	200	ug/ml
Aliphatic C16-C21	10.645	13.990	1297906	11.484	300	ug/ml
Aliphatic C21-C28	13.991	17.632	2292201	20.107	400	ug/ml
Aliphatic C28-C40	17.633	22.724	10144098	110.8	600	ug/ml
Aliphatic EPH	3.682	22.724	15091582	155.945		ug/ml
ortho-Terphenyl (SURR)	12.313	12.313	3420289	27.63		ug/ml
1-chlorooctadecane (SURR)	13.725	13.725	2740422	27.77		ug/ml
Aliphatic C9-C28	3.682	17.632	4947484	45.145	1200	ug/ml