

Report of Analysis

Client:	PSEG	Date Collected:	02/07/25
Project:	PSEG Elizabeth - Roselle Parks	Date Received:	02/07/25
Client Sample ID:	WC-10-EPH	SDG No.:	Q1343
Lab Sample ID:	Q1343-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	79.8
Sample Wt/Vol:	30.03	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	02/10/25 23:56	PB166637

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.74		1	2.25	2.50	mg/kg	FE052332.D
Aliphatic C9-C28	Aliphatic C9-C28	5.00	U	1	2.15	5.00	mg/kg	FE052332.D
Total AliphaticEPH	Total AliphaticEPH	5.74	J		4.40	7.50	mg/kg	
Total EPH	Total EPH	5.74	J		4.40	7.50	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
FE052332.D	1	02/10/25	02/10/25	PB166637

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.000	U	2.15	5.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.74		2.25	2.50	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	21.6		40 - 140	43%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	21.0		40 - 140	42%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1343-06	Acq On:	10 Feb 2025 23:56
Client Sample ID:	WC-10-EPH	Operator:	YP\AJ
Data file:	FE052332.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.682	7.240	721652	7.503	300	ug/ml
Aliphatic C12-C16	7.241	10.644	462407	4.416	200	ug/ml
Aliphatic C16-C21	10.645	13.990	461100	4.08	300	ug/ml
Aliphatic C21-C28	13.991	17.632	1233005	10.816	400	ug/ml
Aliphatic C28-C40	17.633	22.724	6293376	68.74	600	ug/ml
Aliphatic EPH	3.682	22.724	9171540	95.554		ug/ml
ortho-Terphenyl (SURR)	12.311	12.311	2593801	20.96		ug/ml
1-chlorooctadecane (SURR)	13.723	13.723	2126682	21.55		ug/ml
Aliphatic C9-C28	3.682	17.632	2878164	26.815	1200	ug/ml