

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	SDG No.:	Q1343
Lab Sample ID:	Q1343-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86
Sample Wt/Vol:	30.09	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 21:26	PB166637

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	6.84		1	2.09	2.32	mg/kg FE052329.D
Aliphatic C9-C28	Aliphatic C9-C28	4.75		1	1.99	4.64	mg/kg FE052329.D
Total AliphaticEPH	Total AliphaticEPH	11.6			4.08	6.96	mg/kg
Total EPH	Total EPH	11.6			4.08	6.96	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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Analytical Method:	NJEPH	% Solid:	86
Sample Wt/Vol:	30.09 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
FE052329.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	4.75		1.99	4.64	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.84		2.09	2.32	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.6		40 - 140	53%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.2		40 - 140	50%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1343-05	Acq On:	10 Feb 2025 21:26
Client Sample ID:	WC-10	Operator:	YP\AJ
Data file:	FE052329.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.682	7.240	701387	7.292	300	ug/ml
Aliphatic C12-C16	7.241	10.644	584589	5.583	200	ug/ml
Aliphatic C16-C21	10.645	13.990	3919537	34.679	300	ug/ml
Aliphatic C21-C28	13.991	17.632	1581107	13.87	400	ug/ml
Aliphatic C28-C40	17.633	22.724	8105301	88.531	600	ug/ml
Aliphatic EPH	3.682	22.724	14891921	149.954		ug/ml
ortho-Terphenyl (SURR)	12.313	12.313	3121919	25.22		ug/ml
1-chlorooctadecane (SURR)	13.725	13.725	2627460	26.62		ug/ml
Aliphatic C9-C28	3.682	17.632	6786620	61.424	1200	ug/ml