284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	PSEG	Date Collected:	03/27/25
Project:	PSEG Elizabeth- Roselle Poles	Date Received:	03/27/25
Client Sample ID:	WC-1	SDG No.:	Q1671
Lab Sample ID:	Q1671-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.5
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
03/28/25 08:22	03/28/25 18:37	PB167363

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.17		1	1.41	2.39	mg/kg	FE053051.D
Aliphatic C9-C28	Aliphatic C9-C28	2.39	J	1	1.09	4.80	mg/kg	FE053051.D
Total AliphaticEPH	Total AliphaticEPH	6.56	J		2.50	7.19	mg/kg	
Total EPH	Total EPH	6.56	J		2.50	7.19	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
FE053051.D	1	03/28/25	03/28/25	PB167363

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		2.39	J	1.09	4.80	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		4.17		1.41	2.39	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		32.3		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		31.1		40 - 140	62%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1671-01	Acq On:	28 Mar 2025 18:37
Client Sample ID:	WC-1	Operator:	YP\AJ
Data file:	FE053051.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.142	6.783	1340515	8.596	300	ug/ml
Aliphatic C12-C16	6.784	10.234	859804	5.653	200	ug/ml
Aliphatic C16-C21	10.235	13.611	868463	5.926	300	ug/ml
Aliphatic C21-C28	13.612	17.280	1389587	9.755	400	ug/ml
Aliphatic C28-C40	17.281	22.183	6673751	52.307	600	ug/ml
Aliphatic EPH	3.142	22.183	11132120	82.236		ug/ml
ortho-Terphenyl (SURR)	11.898	11.898	5234609	31.05		ug/ml
1-chlorooctadecane (SURR)	13.341	13.341	3919480	32.28		ug/ml
Aliphatic C9-C28	3.142	17.280	4458369	29.93	1200	ug/ml