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

Report of Analysis

Client:	PSEG	Date Collected:	02/07/25
Project:	PSEG Elizabeth - Roselle Parks	Date Received:	02/07/25
Client Sample ID:	WC-14-EPH	SDG No.:	Q1343
Lab Sample ID:	Q1343-18	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.3
Sample Wt/Vol:	30.03 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 4:22	PB166637

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.06		1	2.06	2.29	mg/kg	FE052338.D
Aliphatic C9-C28	Aliphatic C9-C28	4.57	U	1	1.97	4.57	mg/kg	FE052338.D
Total AliphaticEPH	Total AliphaticEPH	4.06	J		4.03	6.86	mg/kg	
Total EPH	Total EPH	4.06	J		4.03	6.86	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
FE052338.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		0.000	U	1.97	4.57	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		4.06		2.06	2.29	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		39.8		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		37.8		40 - 140	76%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1343-18	Acq On:	11 Feb 2025 04:22
Client Sample ID:	WC-14-EPH	Operator:	YP\AJ
Data file:	FE052338.D	Misc:	
Instrument:	FID_E	ALS Vial:	30
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.682	7.240	974333	10.13	300	ug/ml
Aliphatic C12-C16	7.241	10.644	653786	6.244	200	ug/ml
Aliphatic C16-C21	10.645	13.990	528454	4.676	300	ug/ml
Aliphatic C21-C28	13.991	17.632	1019768	8.945	400	ug/ml
Aliphatic C28-C40	17.633	22.724	4877810	53.278	600	ug/ml
Aliphatic EPH	3.682	22.724	8054151	83.273		ug/ml
ortho-Terphenyl (SURR)	12.314	12.314	4679698	37.81		ug/ml
1-chlorooctadecane (SURR)	13.725	13.725	3924946	39.77		ug/ml
Aliphatic C9-C28	3.682	17.632	3176341	29.995	1200	ug/ml