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-13	SDG No.:	Q1343
Lab Sample ID:	Q1343-13	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.4
Sample Wt/Vol:	30.06 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 1:27	PB166637

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.57		1	2.03	2.26	mg/kg	FE052335.D
Aliphatic C9-C28	Aliphatic C9-C28	4.52	U	1	1.94	4.52	mg/kg	FE052335.D
Total AliphaticEPH	Total AliphaticEPH	6.78	U		3.97	6.78	mg/kg	
Total EPH	Total EPH	6.78	U		3.97	6.78	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
FE052335.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	1.94	4.52	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.57		2.03	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	23.3		40 - 140	47%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	21.1		40 - 140	42%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1343-13	Acq On:	11 Feb 2025 01:27
Client Sample ID:	WC-13	Operator:	YP\AJ
Data file:	FE052335.D	Misc:	
Instrument:	FID_E	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.682	7.240	790523	8.219	300	ug/ml
Aliphatic C12-C16	7.241	10.644	445590	4.255	200	ug/ml
Aliphatic C16-C21	10.645	13.990	451791	3.997	300	ug/ml
Aliphatic C21-C28	13.991	17.632	753250	6.608	400	ug/ml
Aliphatic C28-C40	17.633	22.724	4341801	47.424	600	ug/ml
Aliphatic EPH	3.682	22.724	6782955	70.503		ug/ml
ortho-Terphenyl (SURR)	12.313	12.313	2611401	21.1		ug/ml
1-chlorooctadecane (SURR)	13.724	13.724	2295916	23.26		ug/ml
Aliphatic C9-C28	3.682	17.632	2441154	23.079	1200	ug/ml