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

Report of Analysis

Client:	PSEG			Date Collected:	03/26/25
Project:	9th Ave Pole Yard			Date Received:	03/26/25
Client Sample ID:	RT3407-E2			SDG No.:	Q1654
Lab Sample ID:	Q1654-02			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	86.9
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
03/27/25 09:55	03/27/25 17:22	PB167350

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.86		1	1.36	2.30	mg/kg	FE053022.D
Aliphatic C9-C28	Aliphatic C9-C28	11.2		1	1.04	4.60	mg/kg	FE053022.D
Total AliphaticEPH	Total AliphaticEPH	17.1			2.40	6.90	mg/kg	
Total EPH	Total EPH	17.1			2.40	6.90	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
FE053022.D	1	03/27/25	03/27/25	PB167350

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	11.2		1.04	4.60	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.86		1.36	2.30	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.4		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.7		40 - 140	63%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1654-02	Acq On:	27 Mar 2025 17:22
Client Sample ID:	RT3407-E2	Operator:	YP\AJ
Data file:	FE053022.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.143	6.785	1209522	7.756	300	ug/ml
Aliphatic C12-C16	6.786	10.236	6080124	39.975	200	ug/ml
Aliphatic C16-C21	10.237	13.612	9429153	64.342	300	ug/ml
Aliphatic C21-C28	13.613	17.282	4878968	34.25	400	ug/ml
Aliphatic C28-C40	17.283	22.191	9759099	76.488	600	ug/ml
Aliphatic EPH	3.143	22.191	31356866	222.811		ug/ml
ortho-Terphenyl (SURR)	11.899	11.899	5336609	31.66		ug/ml
1-chlorooctadecane (SURR)	13.343	13.343	4298139	35.4		ug/ml
Aliphatic C9-C28	3.143	17.282	21597767	146.323	1200	ug/ml