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

Report of Analysis

Client:	PSEG			Date Collected:	05/07/25
Project:	Clifton HQ			Date Received:	05/07/25
Client Sample ID:	72-12016			SDG No.:	Q1978
Lab Sample ID:	Q1978-01			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	88
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
05/08/25 09:45	05/09/25 4:34	PB167906

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.53		1	1.34	2.27	mg/kg	FE053735.D
Aliphatic C9-C28	Aliphatic C9-C28	3.19	J	1	1.03	4.55	mg/kg	FE053735.D
Total AliphaticEPH	Total AliphaticEPH	6.72	J		2.37	6.82	mg/kg	
Total EPH	Total EPH	6.72	J		2.37	6.82	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
FE053735.D	1	05/08/25	05/09/25	PB167906

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		3.19	J	1.03	4.55	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		3.53		1.34	2.27	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		22.0		40 - 140	44%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		21.7		40 - 140	43%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1978-01	Acq On:	09 May 2025 04:34
Client Sample ID:	72-12016	Operator:	YP\AJ
Data file:	FE053735.D	Misc:	
Instrument:	FID_E	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.109	6.750	238610	1.722	300	ug/ml
Aliphatic C12-C16	6.751	10.198	482910	3.405	200	ug/ml
Aliphatic C16-C21	10.199	13.573	4445204	30.58	300	ug/ml
Aliphatic C21-C28	13.574	17.241	1153357	8.112	400	ug/ml
Aliphatic C28-C40	17.242	22.125	6009189	46.565	600	ug/ml
Aliphatic EPH	3.109	22.125	12329270	90.385		ug/ml
ortho-Terphenyl (SURR)	11.857	11.857	3916695	21.72		ug/ml
1-chlorooctadecane (SURR)	13.302	13.302	2971669	21.98		ug/ml
Aliphatic C9-C28	3.109	17.241	6320081	43.819	1200	ug/ml