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

Report of Analysis

Client:	PSEG		Date Collected:	04/01/25	
Project:	Clifton HQ		Date Received:	04/01/25	
Client Sample ID:	72-12016-E2		SDG No.:	Q1687	
Lab Sample ID:	Q1687-02		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	81.6	
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
04/01/25 14:00	04/02/25 0:58	PB167416

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	8.53		1	1.44	2.45	mg/kg	FE053111.D
Aliphatic C9-C28	Aliphatic C9-C28	9.07		1	1.11	4.89	mg/kg	FE053111.D
Total AliphaticEPH	Total AliphaticEPH	17.6			2.55	7.34	mg/kg	
Total EPH	Total EPH	17.6			2.55	7.34	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
FE053111.D	1	04/01/25	04/02/25	PB167416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	9.07		1.11	4.89	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.53		1.44	2.45	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.1		40 - 140	86%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.6		40 - 140	85%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1687-02	Acq On:	02 Apr 2025 00:58
Client Sample ID:	72-12016-E2	Operator:	YP\AJ
Data file:	FE053111.D	Misc:	
Instrument:	FID_E	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.141	6.782	1186994	7.607	300	ug/ml
Aliphatic C12-C16	6.783	10.232	1324643	8.622	200	ug/ml
Aliphatic C16-C21	10.233	13.609	4742395	32.856	300	ug/ml
Aliphatic C21-C28	13.610	17.278	8346217	62.124	400	ug/ml
Aliphatic C28-C40	17.279	22.189	12990994	104.55	600	ug/ml
Aliphatic EPH	3.141	22.189	28591243	215.76		ug/ml
ortho-Terphenyl (SURR)	11.893	11.893	6933817	42.57		ug/ml
1-chlorooctadecane (SURR)	13.336	13.336	5178393	43.14		ug/ml
Aliphatic C9-C28	3.141	17.278	15600249	111.209	1200	ug/ml