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

Report of Analysis

Client:	PSEG	Date Collected:	03/18/25
Project:	Bridgewater Switch	Date Received:	03/18/25
Client Sample ID:	72-11944-E2	SDG No.:	Q1598
Lab Sample ID:	Q1598-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/19/25 09:20	03/19/25 17:02	PB167205

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	23.0		1	1.40	2.38	mg/kg	FE052867.D
Aliphatic C9-C28	Aliphatic C9-C28	1580		50	54.1	238	mg/kg	FE052876.D
Total AliphaticEPH	Total AliphaticEPH	1600			55.5	240	mg/kg	
Total EPH	Total EPH	1600			55.5	240	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
FE052867.D	1	03/19/25	03/19/25	PB167205

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	1470	E	1.08	4.75	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	23.0		1.40	2.38	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.1		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	54.1		40 - 140	108%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1598-04	Acq On:	19 Mar 2025 17:02
Client Sample ID:	72-11944-E2	Operator:	YP\AJ
Data file:	FE052867.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	3.148	6.792	2264544	14.521	300	ug/ml
Aliphatic C12-C16	6.793	10.244	349971463	2300	200	ug/ml
Aliphatic C16-C21	10.245	13.622	1614934853	11000	300	ug/ml
Aliphatic C21-C28	13.623	17.294	739507155	5190	400	ug/ml
Aliphatic C28-C40	17.295	22.211	37128113	290.998	600	ug/ml
Aliphatic EPH	3.148	22.211	2743806128	18800		ug/ml
ortho-Terphenyl (SURR)	11.924	11.924	9124579	54.12		ug/ml
1-chlorooctadecane (SURR)	13.369	13.369	4873325	40.13		ug/ml
Aliphatic C9-C28	3.148	17.294	2706678015	18500	1200	ug/ml