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		SDG No.:	Q1598	
Lab Sample ID:	Q1598-03		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	83.2	
Sample Wt/Vol:	30.09	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 15:02	PB167205

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	19.6		1	1.41	2.40	mg/kg	FE052863.D
Aliphatic C9-C28	Aliphatic C9-C28	1610		50	54.6	240	mg/kg	FE052875.D
Total AliphaticEPH	Total AliphaticEPH	1630			56.0	242	mg/kg	
Total EPH	Total EPH	1630			56.0	242	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
FE052863.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		1440	E	1.09	4.80	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		19.6		1.41	2.40	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		46.5		40 - 140	93%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		56.5		40 - 140	113%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1598-03	Acq On:	19 Mar 2025 15:02
Client Sample ID:	72-11944	Operator:	YP\AJ
Data file:	FE052863.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.148	6.792	1923150	12.332	300	ug/ml
Aliphatic C12-C16	6.793	10.244	298023653	1960	200	ug/ml
Aliphatic C16-C21	10.245	13.622	1588998416	10800	300	ug/ml
Aliphatic C21-C28	13.623	17.294	741663010	5210	400	ug/ml
Aliphatic C28-C40	17.295	22.211	31229977	244.77	600	ug/ml
Aliphatic EPH	3.148	22.211	2661838206	18300		ug/ml
ortho-Terphenyl (SURR)	11.923	11.923	9522975	56.49		ug/ml
1-chlorooctadecane (SURR)	13.375	13.375	5646834	46.5		ug/ml
Aliphatic C9-C28	3.148	17.294	2630608229	18000	1200	ug/ml