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:	Bridgewater Switch		Date Received:	03/26/25	
Client Sample ID:	VNJ239		SDG No.:	Q1656	
Lab Sample ID:	Q1656-01		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	83.3	
Sample Wt/Vol:	30.02	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	03/28/25 9:03	PB167350

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	50.1		2	2.83	4.80	mg/kg	FE053037.D
Aliphatic C9-C28	Aliphatic C9-C28	3730		100	109	477	mg/kg	FE053038.D
Total AliphaticEPH	Total AliphaticEPH	3780			112	482	mg/kg	
Total EPH	Total EPH	3780			112	482	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
FE053023.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		3690	E	1.09	4.80	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		51.6	E	1.42	2.40	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		25.9		40 - 140	52%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		44.8		40 - 140	90%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1656-01	Acq On:	27 Mar 2025 17:52
Client Sample ID:	VNJ239	Operator:	YP\AJ
Data file:	FE053023.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.143	6.785	9953872	63.828	300	ug/ml
Aliphatic C12-C16	6.786	10.236	954791574	6280	200	ug/ml
Aliphatic C16-C21	10.237	13.612	4492737339	30700	300	ug/ml
Aliphatic C21-C28	13.613	17.282	1302294599	9140	400	ug/ml
Aliphatic C28-C40	17.283	22.191	82288738	644.951	600	ug/ml
Aliphatic EPH	3.143	22.191	6842066122	46800		ug/ml
ortho-Terphenyl (SURR)	11.945	11.945	7559457	44.84		ug/ml
1-chlorooctadecane (SURR)	13.397	13.397	3145783	25.91		ug/ml
Aliphatic C9-C28	3.143	17.282	6759777384	46100	1200	ug/ml