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

Report of Analysis

Client:	PSEG		Date Collected:	08/05/25	
Project:	Bridgewater Switch		Date Received:	08/05/25	
Client Sample ID:	RT3826		SDG No.:	Q2774	
Lab Sample ID:	Q2774-07		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	81.3	
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
08/06/25 09:25	08/08/25 13:16	PB169139

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	89.7		10	14.5	24.5	mg/kg	FE055207.D
Aliphatic C9-C28	Aliphatic C9-C28	486		10	11.2	49.2	mg/kg	FE055207.D
Total AliphaticEPH	Total AliphaticEPH	576			25.7	73.7	mg/kg	
Total EPH	Total EPH	576			25.7	73.7	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
FE055154.D	1	08/06/25	08/06/25	PB169139

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	477	E	1.12	4.92	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	79.6	E	1.45	2.45	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.0		40 - 140	86%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.7		40 - 140	81%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2774-07	Acq On:	06 Aug 2025 17:37
Client Sample ID:	RT3826	Operator:	YP\AJ
Data file:	FE055154.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.958	748525	6.41	300	ug/ml
Aliphatic C12-C16	6.959	10.409	44401579	354.569	200	ug/ml
Aliphatic C16-C21	10.410	13.787	476223365	3770	300	ug/ml
Aliphatic C21-C28	13.788	17.457	205849805	1710	400	ug/ml
Aliphatic C28-C40	17.458	22.476	110908739	972.993	600	ug/ml
Aliphatic EPH	3.325	22.476	838132013	6810		ug/ml
ortho-Terphenyl (SURR)	12.092	12.092	5813289	40.71		ug/ml
1-chlorooctadecane (SURR)	13.529	13.529	4625027	43.01		ug/ml
Aliphatic C9-C28	3.325	17.457	727223274	5840	1200	ug/ml