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

Report of Analysis

Client:	PSEG	Date Collected:	06/20/25
Project:	Bridgewater Switch	Date Received:	06/20/25
Client Sample ID:	72-11929	SDG No.:	Q2381
Lab Sample ID:	Q2381-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/23/25 09:25	06/23/25 19:59	PB168581

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	7.34		1	1.29	2.18	mg/kg	FE054549.D
Aliphatic C9-C28	Aliphatic C9-C28	67.3		1	0.99	4.36	mg/kg	FE054549.D
Total AliphaticEPH	Total AliphaticEPH	74.6			2.28	6.54	mg/kg	
Total EPH	Total EPH	74.6			2.28	6.54	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

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

Report of Analysis

Client:	PSEG		Date Collected:	06/20/25	
Project:	Bridgewater Switch		Date Received:	06/20/25	
Client Sample ID:	72-11929		SDG No.:	Q2381	
Lab Sample ID:	Q2381-05		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	91.5	
Sample Wt/Vol:	30.05 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054549.D	1	06/23/25	06/23/25	PB168581

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	67.3		0.99	4.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.34		1.29	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.5		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.3		40 - 140	57%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2381-05	Acq On:	23 Jun 2025 19:59
Client Sample ID:	72-11929	Operator:	YP\AJ
Data file:	FE054549.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	3.072	6.718	713762	5.698	300	ug/ml
Aliphatic C12-C16	6.719	10.166	9817390	74.855	200	ug/ml
Aliphatic C16-C21	10.167	13.539	66054436	493.216	300	ug/ml
Aliphatic C21-C28	13.540	17.209	44550757	350.603	400	ug/ml
Aliphatic C28-C40	17.210	22.077	12938337	100.887	600	ug/ml
Aliphatic EPH	3.072	22.077	134074682	1030		ug/ml
ortho-Terphenyl (SURR)	11.832	11.832	4682684	28.34		ug/ml
1-chlorooctadecane (SURR)	13.275	13.275	4201815	34.46		ug/ml
Aliphatic C9-C28	3.072	17.209	121136345	924.372	1200	ug/ml