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:	VNJ-207	SDG No.:	Q2381
Lab Sample ID:	Q2381-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.2
Sample Wt/Vol:	30.01 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 18:58	PB168581

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	22.5		1	1.35	2.29	mg/kg	FE054547.D
Aliphatic C9-C28	Aliphatic C9-C28	6.76		1	1.04	4.59	mg/kg	FE054547.D
Total AliphaticEPH	Total AliphaticEPH	29.3			2.39	6.88	mg/kg	
Total EPH	Total EPH	29.3			2.39	6.88	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
FE054547.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	6.76		1.04	4.59	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	22.5		1.35	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.5		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.4		40 - 140	61%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2381-03	Acq On:	23 Jun 2025 18:58
Client Sample ID:	VNJ-207	Operator:	YP\AJ
Data file:	FE054547.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.072	6.718	1244619	9.937	300	ug/ml
Aliphatic C12-C16	6.719	10.166	986522	7.522	200	ug/ml
Aliphatic C16-C21	10.167	13.539	3217624	24.025	300	ug/ml
Aliphatic C21-C28	13.540	17.209	5974467	47.018	400	ug/ml
Aliphatic C28-C40	17.210	22.077	37745560	294.323	600	ug/ml
Aliphatic EPH	3.072	22.077	49168792	382.825		ug/ml
ortho-Terphenyl (SURR)	11.824	11.824	5020196	30.38		ug/ml
1-chlorooctadecane (SURR)	13.269	13.269	3845728	31.54		ug/ml
Aliphatic C9-C28	3.072	17.209	11423232	88.502	1200	ug/ml