

Report of Analysis

Client:	PSEG	Date Collected:	06/20/25
Project:	Bridgewater Switch	Date Received:	06/20/25
Client Sample ID:	VNJ-207-E2	SDG No.:	Q2381
Lab Sample ID:	Q2381-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.7
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/23/25 09:25	06/23/25 19:29	PB168581

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	11.2		1	1.38	2.33	mg/kg
Aliphatic C9-C28	Aliphatic C9-C28	16.9		1	1.06	4.67	mg/kg
Total AliphaticEPH	Total AliphaticEPH	28.1			2.44	7.00	mg/kg
Total EPH	Total EPH	28.1			2.44	7.00	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054548.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	16.9		1.06	4.67	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.2		1.38	2.33	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.2		40 - 140	58%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	24.4		40 - 140	49%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2381-04	Acq On:	23 Jun 2025 19:29
Client Sample ID:	VNJ-207-E2	Operator:	YP\AJ
Data file:	FE054548.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.072	6.718	783992	6.259	300	ug/ml
Aliphatic C12-C16	6.719	10.166	13133953	100.143	200	ug/ml
Aliphatic C16-C21	10.167	13.539	13718515	102.434	300	ug/ml
Aliphatic C21-C28	13.540	17.209	1103962	8.688	400	ug/ml
Aliphatic C28-C40	17.210	22.077	18444786	143.824	600	ug/ml
Aliphatic EPH	3.072	22.077	47185208	361.348		ug/ml
ortho-Terphenyl (SURR)	11.835	11.835	4028321	24.38		ug/ml
1-chlorooctadecane (SURR)	13.275	13.275	3560856	29.2		ug/ml
Aliphatic C9-C28	3.072	17.209	28740422	217.524	1200	ug/ml