

Report of Analysis

Client:	PSEG	Date Collected:	10/02/25
Project:	Bridgewater Switch	Date Received:	10/02/25
Client Sample ID:	VNJ-235	SDG No.:	Q3272
Lab Sample ID:	Q3272-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.9
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
10/03/25 09:40	10/04/25 0:23	PB169970

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	41.4		1	1.41	2.38	mg/kg
Aliphatic C9-C28	Aliphatic C9-C28	6.61		1	1.08	4.76	mg/kg
Total AliphaticEPH	Total AliphaticEPH	48.0			2.49	7.14	mg/kg
Total EPH	Total EPH	48.0			2.49	7.14	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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Lab Sample ID:	Q3272-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.9
Sample Wt/Vol:	30.02 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
FE056182.D	1	10/03/25	10/04/25	PB169970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	6.61		1.08	4.76	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	41.4		1.41	2.38	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	24.9		40 - 140	50%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	23.4		40 - 140	47%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3272-01	Acq On:	04 Oct 2025 00:23
Client Sample ID:	VNJ-235	Operator:	YP\AJ
Data file:	FE056182.D	Misc:	
Instrument:	FID_E	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.944	483724	3.454	300	ug/ml
Aliphatic C12-C16	6.945	10.393	1503456	9.802	200	ug/ml
Aliphatic C16-C21	10.394	13.770	6663072	40.168	300	ug/ml
Aliphatic C21-C28	13.771	17.439	4439458	29.89	400	ug/ml
Aliphatic C28-C40	17.440	22.443	70964587	520.834	600	ug/ml
Aliphatic EPH	3.311	22.443	84054297	604.148		ug/ml
ortho-Terphenyl (SURR)	12.068	12.068	4381282	23.35		ug/ml
1-chlorooctadecane (SURR)	13.504	13.504	3475375	24.9		ug/ml
Aliphatic C9-C28	3.311	17.439	13089710	83.314	1200	ug/ml