

Report of Analysis

Client:	PSEG	Date Collected:	10/02/25
Project:	Bridgewater Switch	Date Received:	10/02/25
Client Sample ID:	R7	SDG No.:	Q3272
Lab Sample ID:	Q3272-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	61.4
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
10/03/25 09:40	10/04/25 1:25	PB169970

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	26.5		1	1.92	3.25	mg/kg FE056184.D
Aliphatic C9-C28	Aliphatic C9-C28	11.8		1	1.48	6.51	mg/kg FE056184.D
Total AliphaticEPH	Total AliphaticEPH	38.3			3.40	9.76	mg/kg
Total EPH	Total EPH	38.3			3.40	9.76	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE056184.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	11.8		1.48	6.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.5		1.92	3.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.8		40 - 140	58%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.1		40 - 140	52%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3272-03	Acq On:	04 Oct 2025 01:25
Client Sample ID:	R7	Operator:	YP\AJ
Data file:	FE056184.D	Misc:	
Instrument:	FID_E	ALS Vial:	29
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.944	2068068	14.769	300	ug/ml
Aliphatic C12-C16	6.945	10.393	6514880	42.476	200	ug/ml
Aliphatic C16-C21	10.394	13.770	6085639	36.687	300	ug/ml
Aliphatic C21-C28	13.771	17.439	2263772	15.241	400	ug/ml
Aliphatic C28-C40	17.440	22.443	33346982	244.745	600	ug/ml
Aliphatic EPH	3.311	22.443	50279341	353.919		ug/ml
ortho-Terphenyl (SURR)	12.068	12.068	4901957	26.12		ug/ml
1-chlorooctadecane (SURR)	13.505	13.505	4025347	28.84		ug/ml
Aliphatic C9-C28	3.311	17.439	16932359	109.173	1200	ug/ml