

Report of Analysis

Client:	PSEG	Date Collected:	03/18/25
Project:	Bridgewater Switch	Date Received:	03/18/25
Client Sample ID:	ETGI-354-E2	SDG No.:	Q1598
Lab Sample ID:	Q1598-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.7
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
03/19/25 09:20	03/20/25 10:29	PB167205

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	194		10	14.1	23.9	mg/kg FE052879.D
Aliphatic C9-C28	Aliphatic C9-C28	8420		200	217	953	mg/kg FE052880.D
Total AliphaticEPH	Total AliphaticEPH	8620			231	977	mg/kg
Total EPH	Total EPH	8620			231	977	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
FE052869.D	1	03/19/25	03/19/25	PB167205

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	7460	E	1.08	4.76	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	203	E	1.41	2.39	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	0.00		40 - 140	0%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1598-02	Acq On:	19 Mar 2025 18:03
Client Sample ID:	ETGI-354-E2	Operator:	YP\AJ
Data file:	FE052869.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.148	6.792	848516998	5440	300	ug/ml
Aliphatic C12-C16	6.793	10.244	3971176315	26200	200	ug/ml
Aliphatic C16-C21	10.245	13.622	6921140863	47200	300	ug/ml
Aliphatic C21-C28	13.623	17.294	2144320040	15100	400	ug/ml
Aliphatic C28-C40	17.295	22.211	326747069	2560	600	ug/ml
Aliphatic EPH	3.148	22.211	14211901285	96400		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	0.000	0.000	0	0		ug/ml
Aliphatic C9-C28	3.148	17.294	13885154216	93800	1200	ug/ml