

Report of Analysis

Client:	PSEG	Date Collected:	08/05/25
Project:	Bridgewater Switch	Date Received:	08/05/25
Client Sample ID:	256	SDG No.:	Q2774
Lab Sample ID:	Q2774-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	73.7
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
08/06/25 09:25	08/07/25 9:53	PB169139

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	70.3		5	8.00	13.6	mg/kg FE055169.D
Aliphatic C9-C28	Aliphatic C9-C28	258		5	6.17	27.1	mg/kg FE055169.D
Total AliphaticEPH	Total AliphaticEPH	329			14.2	40.7	mg/kg
Total EPH	Total EPH	329			14.2	40.7	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
FE055150.D	1	08/06/25	08/06/25	PB169139

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	256	E	1.23	5.43	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	59.5	E	1.60	2.71	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	54.2		40 - 140	108%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.7		40 - 140	53%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2774-03	Acq On:	06 Aug 2025 15:36
Client Sample ID:	256	Operator:	YP\AJ
Data file:	FE055150.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.958	522230	4.472	300	ug/ml
Aliphatic C12-C16	6.959	10.409	18848105	150.511	200	ug/ml
Aliphatic C16-C21	10.410	13.787	240524434	1900	300	ug/ml
Aliphatic C21-C28	13.788	17.457	94236389	782.008	400	ug/ml
Aliphatic C28-C40	17.458	22.476	75070850	658.59	600	ug/ml
Aliphatic EPH	3.325	22.476	429202008	3500		ug/ml
ortho-Terphenyl (SURR)	12.087	12.087	3816395	26.72		ug/ml
1-chlorooctadecane (SURR)	13.523	13.523	5825969	54.18		ug/ml
Aliphatic C9-C28	3.325	17.457	354131158	2840	1200	ug/ml