

Report of Analysis

Client:	PSEG	Date Collected:	08/05/25
Project:	Bridgewater Switch	Date Received:	08/05/25
Client Sample ID:	224	SDG No.:	Q2774
Lab Sample ID:	Q2774-11	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.6
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
08/06/25 09:25	08/07/25 13:55	PB169139

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	48.2		2	2.72	4.61	mg/kg FE055177.D
Aliphatic C9-C28	Aliphatic C9-C28	145		2	2.10	9.23	mg/kg FE055177.D
Total AliphaticEPH	Total AliphaticEPH	193			4.82	13.8	mg/kg
Total EPH	Total EPH	193			4.82	13.8	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
FE055158.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	152	E	1.05	4.61	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	51.8	E	1.36	2.31	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	59.5		40 - 140	119%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.1		40 - 140	78%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2774-11	Acq On:	06 Aug 2025 19:37
Client Sample ID:	224	Operator:	YP\AJ
Data file:	FE055158.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.958	403667	3.457	300	ug/ml
Aliphatic C12-C16	6.959	10.409	9160992	73.155	200	ug/ml
Aliphatic C16-C21	10.410	13.787	162571575	1290	300	ug/ml
Aliphatic C21-C28	13.788	17.457	74720917	620.061	400	ug/ml
Aliphatic C28-C40	17.458	22.476	76860291	674.289	600	ug/ml
Aliphatic EPH	3.325	22.476	323717442	2660		ug/ml
ortho-Terphenyl (SURR)	12.088	12.088	5585701	39.11		ug/ml
1-chlorooctadecane (SURR)	13.525	13.525	6396034	59.48		ug/ml
Aliphatic C9-C28	3.325	17.457	246857151	1980	1200	ug/ml