

Report of Analysis

Client:	PSEG	Date Collected:	02/03/25
Project:	Bridgewater Switch	Date Received:	02/03/25
Client Sample ID:	RT 3249	SDG No.:	Q1277
Lab Sample ID:	Q1277-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.9
Sample Wt/Vol:	30.1 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/04/25 08:15	02/04/25 15:07	PB166524

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	26.4		1	2.14	2.38	mg/kg	FE052220.D
Aliphatic C9-C28	Aliphatic C9-C28	2.61	J	1	2.04	4.75	mg/kg	FE052220.D
Total AliphaticEPH	Total AliphaticEPH	29.0			4.18	7.13	mg/kg	
Total EPH	Total EPH	29.0			4.18	7.13	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
FE052220.D	1	02/04/25	02/04/25	PB166524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.61	J	2.04	4.75	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.4		2.14	2.38	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.6		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.7		40 - 140	65%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1277-02	Acq On:	04 Feb 2025 15:07
Client Sample ID:	RT 3249	Operator:	YP\AJ
Data file:	FE052220.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.618	7.187	568752	5.913	300	ug/ml
Aliphatic C12-C16	7.188	10.597	572984	5.472	200	ug/ml
Aliphatic C16-C21	10.598	13.950	712660	6.305	300	ug/ml
Aliphatic C21-C28	13.951	17.598	1737035	15.237	400	ug/ml
Aliphatic C28-C40	17.599	22.669	30467967	332.788	600	ug/ml
Aliphatic EPH	3.618	22.669	34059398	365.716		ug/ml
ortho-Terphenyl (SURR)	12.284	12.284	4052249	32.74		ug/ml
1-chlorooctadecane (SURR)	13.699	13.699	3319051	33.63		ug/ml
Aliphatic C9-C28	3.618	17.598	3591431	32.927	1200	ug/ml