

Report of Analysis

Client:	PSEG	Date Collected:	10/02/25
Project:	Somerset HQ	Date Received:	10/02/25
Client Sample ID:	72-11929-E2	SDG No.:	Q3271
Lab Sample ID:	Q3271-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.6
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
10/03/25 09:40	10/06/25 10:54	PB169970

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	73.2		2	2.63	4.45	mg/kg	FE056196.D
Aliphatic C9-C28	Aliphatic C9-C28	9.57		1	1.01	4.44	mg/kg	FE056181.D
Total AliphaticEPH	Total AliphaticEPH	82.8			3.64	8.89	mg/kg	
Total EPH	Total EPH	82.8			3.64	8.89	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
FE056181.D	1	10/03/25	10/03/25	PB169970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	9.57		1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	61.7	E	1.31	2.23	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.0		40 - 140	58%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.9		40 - 140	54%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3271-02	Acq On:	03 Oct 2025 23:53
Client Sample ID:	72-11929-E2	Operator:	YP\AJ
Data file:	FE056181.D	Misc:	
Instrument:	FID_E	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.944	476955	3.406	300	ug/ml
Aliphatic C12-C16	6.945	10.393	925942	6.037	200	ug/ml
Aliphatic C16-C21	10.394	13.770	7751467	46.729	300	ug/ml
Aliphatic C21-C28	13.771	17.439	10803698	72.739	400	ug/ml
Aliphatic C28-C40	17.440	22.443	113223533	830.987	600	ug/ml
Aliphatic EPH	3.311	22.443	133181595	959.898		ug/ml
ortho-Terphenyl (SURR)	12.068	12.068	5050888	26.92		ug/ml
1-chlorooctadecane (SURR)	13.504	13.504	4052238	29.03		ug/ml
Aliphatic C9-C28	3.311	17.439	19958062	128.911	1200	ug/ml