

Report of Analysis

Client:	PSEG	Date Collected:	06/05/25
Project:	PSEG Spring Valley	Date Received:	06/05/25
Client Sample ID:	TP-S	SDG No.:	Q2241
Lab Sample ID:	Q2241-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/06/25 10:00	06/06/25 21:55	PB168322

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	11.3		1	1.29	2.19	mg/kg
Aliphatic C9-C28	Aliphatic C9-C28	4.73		1	1.00	4.39	mg/kg
Total AliphaticEPH	Total AliphaticEPH	16.0			2.29	6.58	mg/kg
Total EPH	Total EPH	16.0			2.29	6.58	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
FE054231.D	1	06/06/25	06/06/25	PB168322

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.73		1.00	4.39	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.3		1.29	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.8		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.6		40 - 140	67%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2241-05	Acq On:	06 Jun 2025 21:55
Client Sample ID:	TP-S	Operator:	YP\AJ
Data file:	FE054231.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.080	6.725	322641	2.38	300	ug/ml
Aliphatic C12-C16	6.726	10.172	530498	3.931	200	ug/ml
Aliphatic C16-C21	10.173	13.547	5960084	45.183	300	ug/ml
Aliphatic C21-C28	13.548	17.214	1639788	13.205	400	ug/ml
Aliphatic C28-C40	17.215	22.084	17766560	153.915	600	ug/ml
Aliphatic EPH	3.080	22.084	26219571	218.614		ug/ml
ortho-Terphenyl (SURR)	11.833	11.833	5463759	33.62		ug/ml
1-chlorooctadecane (SURR)	13.277	13.277	4357247	36.75		ug/ml
Aliphatic C9-C28	3.080	17.214	8453011	64.699	1200	ug/ml