

Report of Analysis

Client:	PSEG	Date Collected:	06/11/25
Project:	PSEG Nokia H2	Date Received:	06/12/25
Client Sample ID:	TP04-MH4-EPH	SDG No.:	Q2311
Lab Sample ID:	Q2311-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.4
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/16/25 08:50	06/16/25 17:47	PB168485

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	7.05		1	1.29	2.19	mg/kg FE054410.D
Aliphatic C9-C28	Aliphatic C9-C28	6.78		1	0.99	4.37	mg/kg FE054410.D
Total AliphaticEPH	Total AliphaticEPH	13.8			2.28	6.56	mg/kg
Total EPH	Total EPH	13.8			2.28	6.56	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
FE054410.D	1	06/16/25	06/16/25	PB168485

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	6.78		0.99	4.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.05		1.29	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.8		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.8		40 - 140	62%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2311-07	Acq On:	16 Jun 2025 17:47
Client Sample ID:	TP04-MH2MH3-EPH	Operator:	YP\AJ
Data file:	FE054410.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.075	6.719	1222783	9.762	300	ug/ml
Aliphatic C12-C16	6.720	10.165	1592451	12.142	200	ug/ml
Aliphatic C16-C21	10.166	13.538	4140240	30.914	300	ug/ml
Aliphatic C21-C28	13.539	17.207	5106878	40.19	400	ug/ml
Aliphatic C28-C40	17.208	22.075	12418393	96.833	600	ug/ml
Aliphatic EPH	3.075	22.075	24480745	189.842		ug/ml
ortho-Terphenyl (SURR)	11.825	11.825	5086065	30.78		ug/ml
1-chlorooctadecane (SURR)	13.270	13.270	3998236	32.79		ug/ml
Aliphatic C9-C28	3.075	17.207	12062352	93.008	1200	ug/ml