

Report of Analysis

Client:	PSEG	Date Collected:	06/11/25
Project:	PSEG Nokia H2	Date Received:	06/12/25
Client Sample ID:	TP04-MH4-WC	SDG No.:	Q2311
Lab Sample ID:	Q2311-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.8
Sample Wt/Vol:	30.03	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 17:17	PB168485

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	6.33		1	1.28	2.18	mg/kg FE054409.D
Aliphatic C9-C28	Aliphatic C9-C28	15.6		1	0.99	4.36	mg/kg FE054409.D
Total AliphaticEPH	Total AliphaticEPH	21.9			2.27	6.54	mg/kg
Total EPH	Total EPH	21.9			2.27	6.54	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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Analytical Method:	NJEPH	% Solid:	91.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054409.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	15.6		0.99	4.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.33		1.28	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	44.8		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.2		40 - 140	84%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2311-05	Acq On:	16 Jun 2025 17:17
Client Sample ID:	TP04-MH2MH3-WC	Operator:	YP\AJ
Data file:	FE054409.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.075	6.719	1387104	11.074	300	ug/ml
Aliphatic C12-C16	6.720	10.165	1873966	14.289	200	ug/ml
Aliphatic C16-C21	10.166	13.538	17979693	134.251	300	ug/ml
Aliphatic C21-C28	13.539	17.207	7044904	55.442	400	ug/ml
Aliphatic C28-C40	17.208	22.075	11196332	87.304	600	ug/ml
Aliphatic EPH	3.075	22.075	39481999	302.359		ug/ml
ortho-Terphenyl (SURR)	11.827	11.827	6979796	42.24		ug/ml
1-chlorooctadecane (SURR)	13.271	13.271	5463025	44.8		ug/ml
Aliphatic C9-C28	3.075	17.207	28285667	215.056	1200	ug/ml