

Report of Analysis

Client:	PSEG	Date Collected:	06/13/25
Project:	PSEG Nokia H2	Date Received:	06/16/25
Client Sample ID:	TP05-MH17A-WC	SDG No.:	Q2340
Lab Sample ID:	Q2340-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/17/25 09:40	06/18/25 8:39	PB168506

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.91		1	1.30	2.20	mg/kg	FE054474.D
Aliphatic C9-C28	Aliphatic C9-C28	2.76	J	1	1.00	4.40	mg/kg	FE054474.D
Total AliphaticEPH	Total AliphaticEPH	7.67			2.30	6.60	mg/kg	
Total EPH	Total EPH	7.67			2.30	6.60	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054474.D	1	06/17/25	06/18/25	PB168506

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.76	J	1.00	4.40	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.91		1.30	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.0		40 - 140	82%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.7		40 - 140	75%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2340-01	Acq On:	18 Jun 2025 08:39
Client Sample ID:	TP05-MH17A-WC	Operator:	YP\AJ
Data file:	FE054474.D	Misc:	
Instrument:	FID_E	ALS Vial:	6
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.072	6.717	1914610	15.286	300	ug/ml
Aliphatic C12-C16	6.718	10.164	864794	6.594	200	ug/ml
Aliphatic C16-C21	10.165	13.536	771422	5.76	300	ug/ml
Aliphatic C21-C28	13.537	17.204	1272129	10.011	400	ug/ml
Aliphatic C28-C40	17.205	22.063	8581768	66.917	600	ug/ml
Aliphatic EPH	3.072	22.063	13404723	104.568		ug/ml
ortho-Terphenyl (SURR)	11.827	11.827	6225710	37.68		ug/ml
1-chlorooctadecane (SURR)	13.271	13.271	5004038	41.03		ug/ml
Aliphatic C9-C28	3.072	17.204	4822955	37.651	1200	ug/ml