284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	PSEG			Date Collected:	06/10/25
Project:	PSEG Nokia H2			Date Received:	06/11/25
Client Sample ID:	TP01-MH1-EPH			SDG No.:	Q2295
Lab Sample ID:	Q2295-03			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	87.9
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
06/12/25 08:55	06/13/25 0:14	PB168438

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.04		1	1.34	2.27	mg/kg	FE054356.D
Aliphatic C9-C28	Aliphatic C9-C28	2.86	J	1	1.03	4.55	mg/kg	FE054356.D
Total AliphaticEPH	Total AliphaticEPH	5.90	J		2.37	6.82	mg/kg	
Total EPH	Total EPH	5.90	J		2.37	6.82	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
FE054356.D	1	06/12/25	06/13/25	PB168438

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		2.86	J	1.03	4.55	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		3.04		1.34	2.27	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		55.0		40 - 140	110%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		51.0		40 - 140	102%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2295-03	Acq On:	13 Jun 2025 00:14
Client Sample ID:	TP01-MH1-EPH	Operator:	YP\AJ
Data file:	FE054356.D	Misc:	
Instrument:	FID_E	ALS Vial:	32
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.077	6.722	1495554	11.94	300	ug/ml
Aliphatic C12-C16	6.723	10.169	819865	6.251	200	ug/ml
Aliphatic C16-C21	10.170	13.542	870103	6.497	300	ug/ml
Aliphatic C21-C28	13.543	17.208	1663333	13.09	400	ug/ml
Aliphatic C28-C40	17.209	22.074	5149339	40.152	600	ug/ml
Aliphatic EPH	3.077	22.074	9998194	77.93		ug/ml
ortho-Terphenyl (SURR)	11.827	11.827	8421643	50.97		ug/ml
1-chlorooctadecane (SURR)	13.272	13.272	6702960	54.97		ug/ml
Aliphatic C9-C28	3.077	17.208	4848855	37.778	1200	ug/ml