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

Report of Analysis

Client:	PSEG		Date Collected:	05/07/25	
Project:	PSEG Keasby		Date Received:	05/07/25	
Client Sample ID:	WC-B-2-EPH		SDG No.:	Q1972	
Lab Sample ID:	Q1972-10		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	86.9	
Sample Wt/Vol:	30.03	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
05/08/25 09:45	05/08/25 19:01	PB167906

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.94		1	1.36	2.30	mg/kg	FE053718.D
Aliphatic C9-C28	Aliphatic C9-C28	5.37		1	1.04	4.60	mg/kg	FE053718.D
Total AliphaticEPH	Total AliphaticEPH	9.31			2.40	6.90	mg/kg	
Total EPH	Total EPH	9.31			2.40	6.90	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
FE053718.D	1	05/08/25	05/08/25	PB167906

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.37		1.04	4.60	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.94		1.36	2.30	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.0		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.9		40 - 140	80%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1972-10	Acq On:	08 May 2025 19:01
Client Sample ID:	WC-B-2-EPH	Operator:	YP\AJ
Data file:	FE053718.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	3.109	6.750	587186	4.238	300	ug/ml
Aliphatic C12-C16	6.751	10.198	1232682	8.693	200	ug/ml
Aliphatic C16-C21	10.199	13.573	6253300	43.018	300	ug/ml
Aliphatic C21-C28	13.574	17.241	1994662	14.03	400	ug/ml
Aliphatic C28-C40	17.242	22.125	6642720	51.474	600	ug/ml
Aliphatic EPH	3.109	22.125	16710550	121.453		ug/ml
ortho-Terphenyl (SURR)	11.861	11.861	7198175	39.91		ug/ml
1-chlorooctadecane (SURR)	13.306	13.306	5677284	42		ug/ml
Aliphatic C9-C28	3.109	17.241	10067830	69.979	1200	ug/ml