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:	SUB-WC-EPH			SDG No.:	Q1972
Lab Sample ID:	Q1972-02			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	93
Sample Wt/Vol:	30.01	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 17:01	PB167906

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.44		1	1.27	2.15	mg/kg	FE053714.D
Aliphatic C9-C28	Aliphatic C9-C28	3.01	J	1	0.98	4.29	mg/kg	FE053714.D
Total AliphaticEPH	Total AliphaticEPH	8.45			2.25	6.44	mg/kg	
Total EPH	Total EPH	8.45			2.25	6.44	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
FE053714.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		3.01	J	0.98	4.29	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		5.44		1.27	2.15	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		27.5		40 - 140	55%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		26.3		40 - 140	52%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1972-02	Acq On:	08 May 2025 17:01
Client Sample ID:	SUB-WC-EPH	Operator:	YP\AJ
Data file:	FE053714.D	Misc:	
Instrument:	FID_E	ALS Vial:	9
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.109	6.750	494033	3.565	300	ug/ml
Aliphatic C12-C16	6.751	10.198	895137	6.312	200	ug/ml
Aliphatic C16-C21	10.199	13.573	628671	4.325	300	ug/ml
Aliphatic C21-C28	13.574	17.241	3945497	27.751	400	ug/ml
Aliphatic C28-C40	17.242	22.125	9798698	75.93	600	ug/ml
Aliphatic EPH	3.109	22.125	15762036	117.884		ug/ml
ortho-Terphenyl (SURR)	11.861	11.861	4735320	26.25		ug/ml
1-chlorooctadecane (SURR)	13.306	13.306	3722550	27.54		ug/ml
Aliphatic C9-C28	3.109	17.241	5963338	41.953	1200	ug/ml