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

Report of Analysis

Client:	PSEG			Date Collected:	04/24/25
Project:	PSEG Keasby			Date Received:	04/24/25
Client Sample ID:	MH-F-EPH			SDG No.:	Q1869
Lab Sample ID:	Q1869-02			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	89.8
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
04/25/25 08:45	04/25/25 14:23	PB167736

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	9.87		1	1.31	2.22	mg/kg	FE053526.D
Aliphatic C9-C28	Aliphatic C9-C28	2.16	J	1	1.01	4.44	mg/kg	FE053526.D
Total AliphaticEPH	Total AliphaticEPH	12.0			2.32	6.66	mg/kg	
Total EPH	Total EPH	12.0			2.32	6.66	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
FE053526.D	1	04/25/25	04/25/25	PB167736

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		2.16	J	1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		9.87		1.31	2.22	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		32.8		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		32.2		40 - 140	64%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1869-02	Acq On:	25 Apr 2025 14:23
Client Sample ID:	MH-F-EPH	Operator:	YP\AJ
Data file:	FE053526.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.117	6.758	328282	2.369	300	ug/ml
Aliphatic C12-C16	6.759	10.207	1288275	9.085	200	ug/ml
Aliphatic C16-C21	10.208	13.582	847106	5.827	300	ug/ml
Aliphatic C21-C28	13.583	17.248	1677791	11.801	400	ug/ml
Aliphatic C28-C40	17.249	22.139	17177371	133.107	600	ug/ml
Aliphatic EPH	3.117	22.139	21318825	162.19		ug/ml
ortho-Terphenyl (SURR)	11.871	11.871	5802708	32.17		ug/ml
1-chlorooctadecane (SURR)	13.316	13.316	4435447	32.81		ug/ml
Aliphatic C9-C28	3.117	17.248	4141454	29.082	1200	ug/ml