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:	04/25/25
Client Sample ID:	MH-G-EPH			SDG No.:	Q1892
Lab Sample ID:	Q1892-02			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	85.8
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
04/28/25 10:25	04/28/25 18:40	PB167768

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.33	U	1	1.37	2.33	mg/kg	FE053550.D
Aliphatic C9-C28	Aliphatic C9-C28	5.38		1	1.06	4.65	mg/kg	FE053550.D
Total AliphaticEPH	Total AliphaticEPH	5.38	J		2.43	6.98	mg/kg	
Total EPH	Total EPH	5.38	J		2.43	6.98	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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Analytical Method:	NJEPH		% Solid:	85.8	
Sample Wt/Vol:	30.03	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053550.D	1	04/28/25	04/28/25	PB167768

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.38		1.06	4.65	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.33	U	1.37	2.33	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.7		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.0		40 - 140	74%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1892-02	Acq On:	28 Apr 2025 18:40
Client Sample ID:	MH-G-EPH	Operator:	YP\AJ
Data file:	FE053550.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.119	6.761	425525	3.071	300	ug/ml
Aliphatic C12-C16	6.762	10.211	980437	6.914	200	ug/ml
Aliphatic C16-C21	10.212	13.587	7246051	49.848	300	ug/ml
Aliphatic C21-C28	13.588	17.257	1344580	9.457	400	ug/ml
Aliphatic C28-C40	17.258	22.153	2143339	16.609	600	ug/ml
Aliphatic EPH	3.119	22.153	12139932	85.899		ug/ml
ortho-Terphenyl (SURR)	11.874	11.874	6667495	36.97		ug/ml
1-chlorooctadecane (SURR)	13.318	13.318	5236389	38.74		ug/ml
Aliphatic C9-C28	3.119	17.257	9996593	69.29	1200	ug/ml