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-H-EPH			SDG No.:	Q1892
Lab Sample ID:	Q1892-06			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	89.7
Sample Wt/Vol:	30.1	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 19:36	PB167768

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.36		1	1.31	2.22	mg/kg	FC068709.D
Aliphatic C9-C28	Aliphatic C9-C28	2.15	J	1	1.01	4.44	mg/kg	FC068709.D
Total AliphaticEPH	Total AliphaticEPH	5.50	J		2.32	6.66	mg/kg	
Total EPH	Total EPH	5.50	J		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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Project:	PSEG Keasby		Date Received:	04/25/25	
Client Sample ID:	MH-H-EPH		SDG No.:	Q1892	
Lab Sample ID:	Q1892-06		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	89.7	
Sample Wt/Vol:	30.1	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
FC068709.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		2.15	J	1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		3.36		1.31	2.22	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		39.2		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		36.1		40 - 140	72%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1892-06	Acq On:	28 Apr 2025 19:36
Client Sample ID:	MH-H-EPH	Operator:	YP/AJ
Data file:	FC068709.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.347	6.650	314847	2.991	300	ug/ml
Aliphatic C12-C16	6.651	10.052	670777	6.556	200	ug/ml
Aliphatic C16-C21	10.053	13.421	859208	8.695	300	ug/ml
Aliphatic C21-C28	13.422	17.088	1008232	10.705	400	ug/ml
Aliphatic C28-C40	17.089	22.095	4070988	45.292	600	ug/ml
Aliphatic EPH	3.347	22.095	6924052	74.238		ug/ml
ortho-Terphenyl (SURR)	11.720	11.720	4593857	36.08		ug/ml
1-chlorooctadecane (SURR)	13.153	13.153	3638647	39.17		ug/ml
Aliphatic C9-C28	3.347	17.088	2853064	28.947	1200	ug/ml