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

Report of Analysis

Client:	PSEG			Date Collected:	05/02/25
Project:	Galloping Hills Sub OP			Date Received:	05/02/25
Client Sample ID:	MH-KK			SDG No.:	Q1951
Lab Sample ID:	Q1951-01			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	84.9
Sample Wt/Vol:	30.04	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
05/06/25 08:35	05/06/25 14:32	PB167876

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	6.21		1	1.39	2.35	mg/kg	FE053668.D
Aliphatic C9-C28	Aliphatic C9-C28	2.69	J	1	1.07	4.71	mg/kg	FE053668.D
Total AliphaticEPH	Total AliphaticEPH	8.90			2.46	7.06	mg/kg	
Total EPH	Total EPH	8.90			2.46	7.06	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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Report of Analysis

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Project:	Galloping Hills Sub OP	Date Received:	05/02/25
Client Sample ID:	MH-KK	SDG No.:	Q1951
Lab Sample ID:	Q1951-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.9
Sample Wt/Vol:	30.04 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
FE053668.D	1	05/06/25	05/06/25	PB167876

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		2.69	J	1.07	4.71	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		6.21		1.39	2.35	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		29.3		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		29.0		40 - 140	58%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1951-01	Acq On:	06 May 2025 14:32
Client Sample ID:	MH-KK	Operator:	YP\AJ
Data file:	FE053668.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	3.110	6.752	531164	3.833	300	ug/ml
Aliphatic C12-C16	6.753	10.201	897826	6.331	200	ug/ml
Aliphatic C16-C21	10.202	13.575	804081	5.532	300	ug/ml
Aliphatic C21-C28	13.576	17.244	2646495	18.614	400	ug/ml
Aliphatic C28-C40	17.245	22.131	10226481	79.245	600	ug/ml
Aliphatic EPH	3.110	22.131	15106047	113.555		ug/ml
ortho-Terphenyl (SURR)	11.864	11.864	5224036	28.96		ug/ml
1-chlorooctadecane (SURR)	13.308	13.308	3959939	29.29		ug/ml
Aliphatic C9-C28	3.110	17.244	4879566	34.31	1200	ug/ml