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

Report of Analysis

Client:	PSEG			Date Collected:	05/13/25
Project:	Galloping Hills Sub OP			Date Received:	05/13/25
Client Sample ID:	MH-K-EPH			SDG No.:	Q2019
Lab Sample ID:	Q2019-02			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	87
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
05/14/25 09:30	05/14/25 15:13	PB167999

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.18	J	1	1.35	2.30	mg/kg	FE053817.D
Aliphatic C9-C28	Aliphatic C9-C28	1.69	J	1	1.04	4.60	mg/kg	FE053817.D
Total AliphaticEPH	Total AliphaticEPH	3.87	J		2.40	6.90	mg/kg	
Total EPH	Total EPH	3.87	J		2.40	6.90	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

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

Report of Analysis

Client:	PSEG	Date Collected:	05/13/25
Project:	Galloping Hills Sub OP	Date Received:	05/13/25
Client Sample ID:	MH-K-EPH	SDG No.:	Q2019
Lab Sample ID:	Q2019-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87
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
FE053817.D	1	05/14/25	05/14/25	PB167999

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	1.69	J	1.04	4.60	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.18	J	1.35	2.30	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.5		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.2		40 - 140	74%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2019-02	Acq On:	14 May 2025 15:13
Client Sample ID:	MH-K-EPH	Operator:	YP\AJ
Data file:	FE053817.D	Misc:	
Instrument:	FID_E	ALS Vial:	7
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.101	6.742	503441	3.714	300	ug/ml
Aliphatic C12-C16	6.743	10.189	716747	5.312	200	ug/ml
Aliphatic C16-C21	10.190	13.562	539883	4.093	300	ug/ml
Aliphatic C21-C28	13.563	17.229	1106778	8.913	400	ug/ml
Aliphatic C28-C40	17.230	22.109	3286409	28.471	600	ug/ml
Aliphatic EPH	3.101	22.109	6153258	50.502		ug/ml
ortho-Terphenyl (SURR)	11.851	11.851	6045656	37.2		ug/ml
1-chlorooctadecane (SURR)	13.296	13.296	4678667	39.47		ug/ml
Aliphatic C9-C28	3.101	17.229	2866849	22.032	1200	ug/ml