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

Report of Analysis

Client:	PSEG	Date Collected:	05/06/25
Project:	Galloping Hills Sub OP	Date Received:	05/06/25
Client Sample ID:	MH-LL-EPH	SDG No.:	Q1964
Lab Sample ID:	Q1964-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.6
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
05/07/25 11:17	05/07/25 19:24	PB167897

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.63		1	1.45	2.45	mg/kg	FE053698.D
Aliphatic C9-C28	Aliphatic C9-C28	2.49	J	1	1.11	4.89	mg/kg	FE053698.D
Total AliphaticEPH	Total AliphaticEPH	8.12			2.56	7.34	mg/kg	
Total EPH	Total EPH	8.12			2.56	7.34	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:	05/06/25
Project:	Galloping Hills Sub OP	Date Received:	05/06/25
Client Sample ID:	MH-LL-EPH	SDG No.:	Q1964
Lab Sample ID:	Q1964-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.6
Sample Wt/Vol:	30.02 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
FE053698.D	1	05/07/25	05/07/25	PB167897

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		2.49	J	1.11	4.89	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		5.63		1.45	2.45	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		39.3		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		38.2		40 - 140	76%	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:	Q1964-02	Acq On:	07 May 2025 19:24
Client Sample ID:	MH-LL-EPH	Operator:	YP\AJ
Data file:	FE053698.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.110	6.753	464258	3.351	300	ug/ml
Aliphatic C12-C16	6.754	10.203	1409960	9.943	200	ug/ml
Aliphatic C16-C21	10.204	13.578	647705	4.456	300	ug/ml
Aliphatic C21-C28	13.579	17.247	1802328	12.677	400	ug/ml
Aliphatic C28-C40	17.248	22.135	8894868	68.926	600	ug/ml
Aliphatic EPH	3.110	22.135	13219119	99.352		ug/ml
ortho-Terphenyl (SURR)	11.865	11.865	6885779	38.18		ug/ml
1-chlorooctadecane (SURR)	13.309	13.309	5312256	39.3		ug/ml
Aliphatic C9-C28	3.110	17.247	4324251	30.427	1200	ug/ml