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

Report of Analysis

Client:	PSEG			Date Collected:	04/30/25
Project:	Galloping Hills Sub OP			Date Received:	04/30/25
Client Sample ID:	MH-JJ-EPH			SDG No.:	Q1917
Lab Sample ID:	Q1917-02			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	88.5
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
05/01/25 08:45	05/01/25 17:46	PB167819

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.38		1	1.33	2.26	mg/kg	FC068737.D
Aliphatic C9-C28	Aliphatic C9-C28	3.91	J	1	1.03	4.52	mg/kg	FC068737.D
Total AliphaticEPH	Total AliphaticEPH	7.29			2.36	6.78	mg/kg	
Total EPH	Total EPH	7.29			2.36	6.78	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068737.D	1	05/01/25	05/01/25	PB167819

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		3.91	J	1.03	4.52	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		3.38		1.33	2.26	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		29.0		40 - 140	58%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		28.0		40 - 140	56%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1917-02	Acq On:	01 May 2025 17:46
Client Sample ID:	MH-JJ-EPH	Operator:	YP/AJ
Data file:	FC068737.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	3.343	6.644	292355	2.777	300	ug/ml
Aliphatic C12-C16	6.645	10.046	580398	5.672	200	ug/ml
Aliphatic C16-C21	10.047	13.414	3411215	34.521	300	ug/ml
Aliphatic C21-C28	13.415	17.079	847497	8.998	400	ug/ml
Aliphatic C28-C40	17.080	22.084	4037325	44.918	600	ug/ml
Aliphatic EPH	3.343	22.084	9168790	96.886		ug/ml
ortho-Terphenyl (SURR)	11.715	11.715	3561981	27.97		ug/ml
1-chlorooctadecane (SURR)	13.149	13.149	2691822	28.98		ug/ml
Aliphatic C9-C28	3.343	17.079	5131465	51.968	1200	ug/ml