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

Report of Analysis

Client:	PSEG	Date Collected:	01/07/25
Project:	Greenbrook Substation	Date Received:	01/07/25
Client Sample ID:	GREENBROOK-E2	SDG No.:	Q1025
Lab Sample ID:	Q1025-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.6
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
01/08/25 08:06	01/08/25 16:15	PB165974

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	10.2		1	2.03	2.25	mg/kg	FE051869.D
Aliphatic C9-C28	Aliphatic C9-C28	3.11	J	1	1.94	4.51	mg/kg	FE051869.D
Total AliphaticEPH	Total AliphaticEPH	13.3			3.97	6.76	mg/kg	
Total EPH	Total EPH	13.3			3.97	6.76	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051869.D	1	01/08/25	01/08/25	PB165974

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		3.11	J	1.94	4.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		10.2		2.03	2.25	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		25.5		40 - 140	51%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		25.4		40 - 140	51%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1025-02	Acq On:	08 Jan 2025 16:15
Client Sample ID:	GREENBROOK-E2	Operator:	YP\AJ
Data file:	FE051869.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.428	7.024	455454	3.999	300	ug/ml
Aliphatic C12-C16	7.025	10.452	660176	5.327	200	ug/ml
Aliphatic C16-C21	10.453	13.814	4764463	36.088	300	ug/ml
Aliphatic C21-C28	13.815	17.470	1390840	10.618	400	ug/ml
Aliphatic C28-C40	17.471	22.484	14881855	136.35	600	ug/ml
Aliphatic EPH	3.428	22.484	22152788	192.382		ug/ml
ortho-Terphenyl (SURR)	12.126	12.126	3684455	25.42		ug/ml
1-chlorooctadecane (SURR)	13.555	13.555	2935132	25.54		ug/ml
Aliphatic C9-C28	3.428	17.470	7270933	56.032	1200	ug/ml