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

Report of Analysis

Client:	PSEG	Date Collected:	03/28/25
Project:	NYE Avenue Substation	Date Received:	03/28/25
Client Sample ID:	TP-9-EPH	SDG No.:	Q1679
Lab Sample ID:	Q1679-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/01/25 08:30	04/01/25 18:27	PB167403

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.41		1	1.43	2.43	mg/kg	FE053100.D
Aliphatic C9-C28	Aliphatic C9-C28	3.69	J	1	1.11	4.85	mg/kg	FE053100.D
Total AliphaticEPH	Total AliphaticEPH	8.10			2.54	7.28	mg/kg	
Total EPH	Total EPH	8.10			2.54	7.28	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053100.D	1	04/01/25	04/01/25	PB167403

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		3.69	J	1.11	4.85	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		4.41		1.43	2.43	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		52.5		40 - 140	105%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		53.4		40 - 140	107%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1679-06	Acq On:	01 Apr 2025 18:27
Client Sample ID:	TP-9-EPH	Operator:	YP\AJ
Data file:	FE053100.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.141	6.782	1792711	11.489	300	ug/ml
Aliphatic C12-C16	6.783	10.232	1082216	7.044	200	ug/ml
Aliphatic C16-C21	10.233	13.609	1028597	7.126	300	ug/ml
Aliphatic C21-C28	13.610	17.278	2672102	19.889	400	ug/ml
Aliphatic C28-C40	17.279	22.189	6761240	54.414	600	ug/ml
Aliphatic EPH	3.141	22.189	13336866	99.963		ug/ml
ortho-Terphenyl (SURR)	11.896	11.896	8705020	53.44		ug/ml
1-chlorooctadecane (SURR)	13.339	13.339	6302380	52.5		ug/ml
Aliphatic C9-C28	3.141	17.278	6575626	45.548	1200	ug/ml