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

Report of Analysis

Client:	PSEG	Date Collected:	03/31/25
Project:	NYE Avenue Substation	Date Received:	03/31/25
Client Sample ID:	TP-12	SDG No.:	Q1681
Lab Sample ID:	Q1681-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.1
Sample Wt/Vol:	30.09 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 19:57	PB167403

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.07		1	1.40	2.37	mg/kg	FE053103.D
Aliphatic C9-C28	Aliphatic C9-C28	2.97	J	1	1.08	4.75	mg/kg	FE053103.D
Total AliphaticEPH	Total AliphaticEPH	8.04			2.48	7.12	mg/kg	
Total EPH	Total EPH	8.04			2.48	7.12	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
FE053103.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		2.97	J	1.08	4.75	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		5.07		1.40	2.37	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		38.9		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		38.2		40 - 140	76%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1681-01	Acq On:	01 Apr 2025 19:57
Client Sample ID:	TP-12	Operator:	YP\AJ
Data file:	FE053103.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.141	6.782	1539403	9.866	300	ug/ml
Aliphatic C12-C16	6.783	10.232	768031	4.999	200	ug/ml
Aliphatic C16-C21	10.233	13.609	715757	4.959	300	ug/ml
Aliphatic C21-C28	13.610	17.278	2376588	17.69	400	ug/ml
Aliphatic C28-C40	17.279	22.189	7974145	64.175	600	ug/ml
Aliphatic EPH	3.141	22.189	13373924	101.689		ug/ml
ortho-Terphenyl (SURR)	11.894	11.894	6215134	38.16		ug/ml
1-chlorooctadecane (SURR)	13.338	13.338	4675108	38.94		ug/ml
Aliphatic C9-C28	3.141	17.278	5399779	37.514	1200	ug/ml