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

Report of Analysis

Client:	PSEG	Date Collected:	04/10/25
Project:	NYE Avenue Substation	Date Received:	04/10/25
Client Sample ID:	TP-22	SDG No.:	Q1779
Lab Sample ID:	Q1779-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/11/25 09:40	04/11/25 15:11	PB167562

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	8.46		1	1.32	2.24	mg/kg	FE053323.D
Aliphatic C9-C28	Aliphatic C9-C28	7.41		1	1.02	4.48	mg/kg	FE053323.D
Total AliphaticEPH	Total AliphaticEPH	15.9			2.34	6.72	mg/kg	
Total EPH	Total EPH	15.9			2.34	6.72	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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Analytical Method:	NJEPH	% Solid:	89.1
Sample Wt/Vol:	30.05 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
FE053323.D	1	04/11/25	04/11/25	PB167562

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	7.41		1.02	4.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.46		1.32	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.2		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.6		40 - 140	61%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1779-01	Acq On:	11 Apr 2025 15:11
Client Sample ID:	TP-22	Operator:	YP\AJ
Data file:	FE053323.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.137	6.780	708229	4.539	300	ug/ml
Aliphatic C12-C16	6.781	10.230	1583745	10.309	200	ug/ml
Aliphatic C16-C21	10.231	13.608	10552110	73.107	300	ug/ml
Aliphatic C21-C28	13.609	17.279	1508253	11.227	400	ug/ml
Aliphatic C28-C40	17.280	22.185	14075172	113.275	600	ug/ml
Aliphatic EPH	3.137	22.185	28427509	212.457		ug/ml
ortho-Terphenyl (SURR)	11.891	11.891	4987729	30.62		ug/ml
1-chlorooctadecane (SURR)	13.336	13.336	3865156	32.2		ug/ml
Aliphatic C9-C28	3.137	17.279	14352337	99.182	1200	ug/ml