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-23	SDG No.:	Q1779
Lab Sample ID:	Q1779-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.8
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
04/11/25 09:40	04/11/25 16:11	PB167562

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	22.5		1	1.46	2.47	mg/kg	FE053325.D
Aliphatic C9-C28	Aliphatic C9-C28	4.85	J	1	1.13	4.95	mg/kg	FE053325.D
Total AliphaticEPH	Total AliphaticEPH	27.4			2.59	7.42	mg/kg	
Total EPH	Total EPH	27.4			2.59	7.42	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
FE053325.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	4.85	J	1.13	4.95	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	22.5		1.46	2.47	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.4		40 - 140	61%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.5		40 - 140	59%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1779-05	Acq On:	11 Apr 2025 16:11
Client Sample ID:	TP-23	Operator:	YP\AJ
Data file:	FE053325.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.137	6.780	1083479	6.944	300	ug/ml
Aliphatic C12-C16	6.781	10.230	1861588	12.117	200	ug/ml
Aliphatic C16-C21	10.231	13.608	1581866	10.96	300	ug/ml
Aliphatic C21-C28	13.609	17.279	3882942	28.902	400	ug/ml
Aliphatic C28-C40	17.280	22.185	34026778	273.843	600	ug/ml
Aliphatic EPH	3.137	22.185	42436653	332.766		ug/ml
ortho-Terphenyl (SURR)	11.890	11.890	4804553	29.5		ug/ml
1-chlorooctadecane (SURR)	13.335	13.335	3646127	30.37		ug/ml
Aliphatic C9-C28	3.137	17.279	8409875	58.923	1200	ug/ml