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

Report of Analysis

Client:	PSEG	Date Collected:	04/01/25
Project:	NYE Avenue Substation	Date Received:	04/02/25
Client Sample ID:	TP-18	SDG No.:	Q1694
Lab Sample ID:	Q1694-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.1
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
04/03/25 10:09	04/03/25 16:25	PB167440

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.47		1	1.34	2.27	mg/kg	FE053164.D
Aliphatic C9-C28	Aliphatic C9-C28	5.99		1	1.03	4.53	mg/kg	FE053164.D
Total AliphaticEPH	Total AliphaticEPH	9.46			2.37	6.80	mg/kg	
Total EPH	Total EPH	9.46			2.37	6.80	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
FE053164.D	1	04/03/25	04/03/25	PB167440

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.99		1.03	4.53	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.47		1.34	2.27	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.5		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.3		40 - 140	83%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1694-01	Acq On:	03 Apr 2025 16:25
Client Sample ID:	TP-18	Operator:	YP\AJ
Data file:	FE053164.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	3.138	6.779	1621057	10.389	300	ug/ml
Aliphatic C12-C16	6.780	10.229	1196657	7.789	200	ug/ml
Aliphatic C16-C21	10.230	13.605	7482867	51.843	300	ug/ml
Aliphatic C21-C28	13.606	17.275	1243488	9.256	400	ug/ml
Aliphatic C28-C40	17.276	22.175	5703945	45.905	600	ug/ml
Aliphatic EPH	3.138	22.175	17248014	125.182		ug/ml
ortho-Terphenyl (SURR)	11.893	11.893	6733954	41.34		ug/ml
1-chlorooctadecane (SURR)	13.337	13.337	5102135	42.5		ug/ml
Aliphatic C9-C28	3.138	17.275	11544069	79.277	1200	ug/ml