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

Report of Analysis

Client:	PSEG	Date Collected:	03/25/25
Project:	Central Ave Substation	Date Received:	03/25/25
Client Sample ID:	TP-4	SDG No.:	Q1648
Lab Sample ID:	Q1648-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.3
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
03/27/25 09:55	03/27/25 13:52	PB167350

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	14.3		1	1.35	2.29	mg/kg	FE053015.D
Aliphatic C9-C28	Aliphatic C9-C28	27.6		1	1.04	4.56	mg/kg	FE053015.D
Total AliphaticEPH	Total AliphaticEPH	41.9			2.39	6.85	mg/kg	
Total EPH	Total EPH	41.9			2.39	6.85	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
FE053015.D	1	03/27/25	03/27/25	PB167350

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	27.6		1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	14.3		1.35	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.0		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.9		40 - 140	56%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1648-01	Acq On:	27 Mar 2025 13:52
Client Sample ID:	TP-4	Operator:	YP\AJ
Data file:	FE053015.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.143	6.785	936109	6.003	300	ug/ml
Aliphatic C12-C16	6.786	10.236	1937895	12.741	200	ug/ml
Aliphatic C16-C21	10.237	13.612	19899807	135.79	300	ug/ml
Aliphatic C21-C28	13.613	17.282	29718693	208.623	400	ug/ml
Aliphatic C28-C40	17.283	22.191	23919849	187.476	600	ug/ml
Aliphatic EPH	3.143	22.191	76412353	550.632		ug/ml
ortho-Terphenyl (SURR)	11.902	11.902	4699788	27.88		ug/ml
1-chlorooctadecane (SURR)	13.347	13.347	4254391	35.04		ug/ml
Aliphatic C9-C28	3.143	17.282	52492504	363.157	1200	ug/ml