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

Report of Analysis

Client:	PSEG		Date Collected:	04/16/25	
Project:	Central Ave Substation		Date Received:	04/16/25	
Client Sample ID:	TP-11		SDG No.:	Q1825	
Lab Sample ID:	Q1825-07		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	84	
Sample Wt/Vol:	30.01	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
04/17/25 08:00	04/18/25 23:54	PB167630

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	106		10	14.0	23.8	mg/kg	FE053430.D
Aliphatic C9-C28	Aliphatic C9-C28	237		10	10.8	47.6	mg/kg	FE053430.D
Total AliphaticEPH	Total AliphaticEPH	343			24.8	71.4	mg/kg	
Total EPH	Total EPH	343			24.8	71.4	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
FE053401.D	1	04/17/25	04/17/25	PB167630

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	233	E	1.08	4.76	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	97.3	E	1.40	2.38	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	61.1		40 - 140	122%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	22.3		40 - 140	45%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1825-07	Acq On:	17 Apr 2025 17:13
Client Sample ID:	TP-11	Operator:	YP\AJ
Data file:	FE053401.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	3.127	6.767	5028945	36.294	300	ug/ml
Aliphatic C12-C16	6.768	10.216	34035548	240.015	200	ug/ml
Aliphatic C16-C21	10.217	13.591	195506412	1340	300	ug/ml
Aliphatic C21-C28	13.592	17.260	188850748	1330	400	ug/ml
Aliphatic C28-C40	17.261	22.153	158283991	1230	600	ug/ml
Aliphatic EPH	3.127	22.153	581705644	4180		ug/ml
ortho-Terphenyl (SURR)	11.883	11.883	4016455	22.27		ug/ml
1-chlorooctadecane (SURR)	13.331	13.331	8253217	61.06		ug/ml
Aliphatic C9-C28	3.127	17.260	423421653	2950	1200	ug/ml