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

Report of Analysis

Client:	PSEG	Date Collected:	04/08/25
Project:	Central Ave Substation	Date Received:	04/08/25
Client Sample ID:	TP-1	SDG No.:	Q1754
Lab Sample ID:	Q1754-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	77.8
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
04/09/25 09:51	04/09/25 22:44	PB167528

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	11.1		1	1.51	2.57	mg/kg	FE053290.D
Aliphatic C9-C28	Aliphatic C9-C28	35.5		1	1.17	5.13	mg/kg	FE053290.D
Total AliphaticEPH	Total AliphaticEPH	46.6			2.68	7.70	mg/kg	
Total EPH	Total EPH	46.6			2.68	7.70	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
FE053290.D	1	04/09/25	04/09/25	PB167528

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	35.5		1.17	5.13	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.1		1.51	2.57	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.0		40 - 140	86%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.7		40 - 140	77%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1754-01	Acq On:	09 Apr 2025 22:44
Client Sample ID:	TP-1	Operator:	YP\AJ
Data file:	FE053290.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.135	6.774	20613529	132.111	300	ug/ml
Aliphatic C12-C16	6.775	10.223	12718904	82.788	200	ug/ml
Aliphatic C16-C21	10.224	13.598	8139542	56.393	300	ug/ml
Aliphatic C21-C28	13.599	17.267	19302618	143.677	400	ug/ml
Aliphatic C28-C40	17.268	22.161	16108772	129.641	600	ug/ml
Aliphatic EPH	3.135	22.161	76883365	544.61		ug/ml
ortho-Terphenyl (SURR)	11.887	11.887	6310855	38.74		ug/ml
1-chlorooctadecane (SURR)	13.331	13.331	5165070	43.03		ug/ml
Aliphatic C9-C28	3.135	17.267	60774593	414.969	1200	ug/ml