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

Report of Analysis

Client:	PSEG	Date Collected:	03/04/25
Project:	North Ave Substation	Date Received:	03/04/25
Client Sample ID:	WC-K1311	SDG No.:	Q1481
Lab Sample ID:	Q1481-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.2
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/05/25 08:33	03/05/25 15:00	PB166980

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	6.04		1	1.99	2.21	mg/kg	FF015600.D
Aliphatic C9-C28	Aliphatic C9-C28	9.14		1	1.90	4.43	mg/kg	FF015600.D
Total AliphaticEPH	Total AliphaticEPH	15.2			3.89	6.64	mg/kg	
Total EPH	Total EPH	15.2			3.89	6.64	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
FF015600.D	1	03/05/25	03/05/25	PB166980

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	9.14		1.90	4.43	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.04		1.99	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.4		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.1		40 - 140	66%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1481-01	Acq On:	05 Mar 2025 15:00
Client Sample ID:	WC-K1311	Operator:	YP\AJ
Data file:	FF015600.D	Misc:	
Instrument:	FID_F	ALS Vial:	74
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.196	6.822	932582	7.416	300	ug/ml
Aliphatic C12-C16	6.823	10.260	1015030	7.924	200	ug/ml
Aliphatic C16-C21	10.261	13.631	8790203	63.592	300	ug/ml
Aliphatic C21-C28	13.632	17.298	6344302	45.02	400	ug/ml
Aliphatic C28-C40	17.299	22.196	9425846	81.992	600	ug/ml
Aliphatic EPH	3.196	22.196	26507963	205.943		ug/ml
ortho-Terphenyl (SURR)	11.935	11.935	5176607	33.12		ug/ml
1-chlorooctadecane (SURR)	13.370	13.370	4190676	35.42		ug/ml
Aliphatic C9-C28	3.196	17.298	17082117	123.952	1200	ug/ml