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

Report of Analysis

Client:	PSEG	Date Collected:	05/08/25
Project:	Waldwick Substation	Date Received:	05/08/25
Client Sample ID:	COMP-10	SDG No.:	Q1986
Lab Sample ID:	Q1986-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.8
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
05/12/25 08:30	05/12/25 19:06	PB167945

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.33		1	1.33	2.25	mg/kg	FE053775.D
Aliphatic C9-C28	Aliphatic C9-C28	4.10	J	1	1.02	4.51	mg/kg	FE053775.D
Total AliphaticEPH	Total AliphaticEPH	6.43	J		2.35	6.76	mg/kg	
Total EPH	Total EPH	6.43	J		2.35	6.76	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
FE053775.D	1	05/12/25	05/12/25	PB167945

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		4.10	J	1.02	4.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		2.33		1.33	2.25	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		59.5		40 - 140	119%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		58.0		40 - 140	116%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1986-05	Acq On:	12 May 2025 19:06
Client Sample ID:	COMP-10	Operator:	YP\AJ
Data file:	FE053775.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.103	6.745	386817	2.792	300	ug/ml
Aliphatic C12-C16	6.746	10.194	2140681	15.096	200	ug/ml
Aliphatic C16-C21	10.195	13.568	2240715	15.415	300	ug/ml
Aliphatic C21-C28	13.569	17.237	3030464	21.315	400	ug/ml
Aliphatic C28-C40	17.238	22.126	4008578	31.062	600	ug/ml
Aliphatic EPH	3.103	22.126	11807255	85.68		ug/ml
ortho-Terphenyl (SURR)	11.858	11.858	10463070	58.01		ug/ml
1-chlorooctadecane (SURR)	13.302	13.302	8044534	59.51		ug/ml
Aliphatic C9-C28	3.103	17.237	7798677	54.618	1200	ug/ml