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-11	SDG No.:	Q1986
Lab Sample ID:	Q1986-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.6
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
05/12/25 08:30	05/12/25 19:36	PB167945

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.20	U	1	1.30	2.20	mg/kg	FE053776.D
Aliphatic C9-C28	Aliphatic C9-C28	4.78		1	1.00	4.41	mg/kg	FE053776.D
Total AliphaticEPH	Total AliphaticEPH	4.78	J		2.30	6.61	mg/kg	
Total EPH	Total EPH	4.78	J		2.30	6.61	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
FE053776.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		4.78		1.00	4.41	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		2.20	U	1.30	2.20	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		40.2		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		39.2		40 - 140	78%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1986-07	Acq On:	12 May 2025 19:36
Client Sample ID:	COMP-11	Operator:	YP\AJ
Data file:	FE053776.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.103	6.745	375042	2.707	300	ug/ml
Aliphatic C12-C16	6.746	10.194	2039401	14.382	200	ug/ml
Aliphatic C16-C21	10.195	13.568	3985948	27.421	300	ug/ml
Aliphatic C21-C28	13.569	17.237	2928242	20.596	400	ug/ml
Aliphatic C28-C40	17.238	22.126	1320504	10.233	600	ug/ml
Aliphatic EPH	3.103	22.126	10649137	75.337		ug/ml
ortho-Terphenyl (SURR)	11.855	11.855	7067560	39.19		ug/ml
1-chlorooctadecane (SURR)	13.300	13.300	5430549	40.17		ug/ml
Aliphatic C9-C28	3.103	17.237	9328633	65.106	1200	ug/ml