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

Report of Analysis

Client:	PSEG			Date Collected:	05/01/25
Project:	Waldwick Substation			Date Received:	05/01/25
Client Sample ID:	COMP-4			SDG No.:	Q1932
Lab Sample ID:	Q1932-01			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	93.2
Sample Wt/Vol:	30.04	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
05/02/25 09:15	05/02/25 13:52	PB167833

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	1.97	J	1	1.26	2.14	mg/kg	FE053619.D
Aliphatic C9-C28	Aliphatic C9-C28	20.3		1	0.98	4.28	mg/kg	FE053619.D
Total AliphaticEPH	Total AliphaticEPH	22.3			2.23	6.42	mg/kg	
Total EPH	Total EPH	22.3			2.23	6.42	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
FE053619.D	1	05/02/25	05/02/25	PB167833

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	20.3		0.98	4.28	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.97	J	1.26	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	24.8		40 - 140	50%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	23.5		40 - 140	47%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1932-01	Acq On:	02 May 2025 13:52
Client Sample ID:	COMP-4	Operator:	YP\AJ
Data file:	FE053619.D	Misc:	
Instrument:	FID_E	ALS Vial:	6
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.114	6.755	288997	2.086	300	ug/ml
Aliphatic C12-C16	6.756	10.204	3929311	27.709	200	ug/ml
Aliphatic C16-C21	10.205	13.579	27877860	191.78	300	ug/ml
Aliphatic C21-C28	13.580	17.248	9227182	64.9	400	ug/ml
Aliphatic C28-C40	17.249	22.135	3556834	27.562	600	ug/ml
Aliphatic EPH	3.114	22.135	44880184	314.037		ug/ml
ortho-Terphenyl (SURR)	11.870	11.870	4230403	23.46		ug/ml
1-chlorooctadecane (SURR)	13.315	13.315	3357799	24.84		ug/ml
Aliphatic C9-C28	3.114	17.248	41323350	286.475	1200	ug/ml