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

Report of Analysis

Client:	PSEG	Date Collected:	05/20/25
Project:	Waldwick Substation	Date Received:	05/20/25
Client Sample ID:	RBR200044	SDG No.:	Q2097
Lab Sample ID:	Q2097-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.1
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
05/21/25 09:30	05/21/25 21:52	PB168103

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	6.49		1	1.32	2.24	mg/kg	FE053959.D
Aliphatic C9-C28	Aliphatic C9-C28	54.1		1	1.02	4.48	mg/kg	FE053959.D
Total AliphaticEPH	Total AliphaticEPH	60.6			2.34	6.72	mg/kg	
Total EPH	Total EPH	60.6			2.34	6.72	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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Client Sample ID:	RBR200044	SDG No.:	Q2097
Lab Sample ID:	Q2097-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.1
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053959.D	1	05/21/25	05/21/25	PB168103

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	54.1		1.02	4.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.49		1.32	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.5		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.5		40 - 140	67%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2097-03	Acq On:	21 May 2025 21:52
Client Sample ID:	RBR200044	Operator:	YP\AJ
Data file:	FE053959.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.094	6.735	307770	2.27	300	ug/ml
Aliphatic C12-C16	6.736	10.183	9364166	69.394	200	ug/ml
Aliphatic C16-C21	10.184	13.556	65399607	495.787	300	ug/ml
Aliphatic C21-C28	13.557	17.223	19637857	158.144	400	ug/ml
Aliphatic C28-C40	17.224	22.099	10035150	86.936	600	ug/ml
Aliphatic EPH	3.094	22.099	104744550	812.532		ug/ml
ortho-Terphenyl (SURR)	11.846	11.846	5436995	33.46		ug/ml
1-chlorooctadecane (SURR)	13.290	13.290	4560628	38.47		ug/ml
Aliphatic C9-C28	3.094	17.223	94709400	725.595	1200	ug/ml