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

Report of Analysis

Client:	PSEG	Date Collected:	04/22/25
Project:	Waldwick Substation	Date Received:	04/22/25
Client Sample ID:	72-11977	SDG No.:	Q1852
Lab Sample ID:	Q1852-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.3
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
04/23/25 09:45	04/23/25 15:48	PB167712

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.37		1	1.28	2.16	mg/kg	FE053502.D
Aliphatic C9-C28	Aliphatic C9-C28	4.32	U	1	0.98	4.32	mg/kg	FE053502.D
Total AliphaticEPH	Total AliphaticEPH	3.37	J		2.26	6.48	mg/kg	
Total EPH	Total EPH	3.37	J		2.26	6.48	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
FE053502.D	1	04/23/25	04/23/25	PB167712

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		0.000	U	0.98	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		3.37		1.28	2.16	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		25.1		40 - 140	50%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		24.9		40 - 140	50%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1852-03	Acq On:	23 Apr 2025 15:48
Client Sample ID:	72-11977	Operator:	YP\AJ
Data file:	FE053502.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.120	6.760	494364	3.568	300	ug/ml
Aliphatic C12-C16	6.761	10.209	565762	3.99	200	ug/ml
Aliphatic C16-C21	10.210	13.585	511288	3.517	300	ug/ml
Aliphatic C21-C28	13.586	17.252	1082146	7.611	400	ug/ml
Aliphatic C28-C40	17.253	22.138	6038386	46.791	600	ug/ml
Aliphatic EPH	3.120	22.138	8691946	65.478		ug/ml
ortho-Terphenyl (SURR)	11.870	11.870	4490304	24.9		ug/ml
1-chlorooctadecane (SURR)	13.315	13.315	3389797	25.08		ug/ml
Aliphatic C9-C28	3.120	17.252	2653560	18.686	1200	ug/ml