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

Report of Analysis

Client:	PSEG	Date Collected:	04/25/25
Project:	Waldwick Substation	Date Received:	04/25/25
Client Sample ID:	COMP-2	SDG No.:	Q1895
Lab Sample ID:	Q1895-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.2
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/28/25 10:25	04/28/25 20:10	PB167768

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.19	U	1	1.29	2.19	mg/kg	FE053553.D
Aliphatic C9-C28	Aliphatic C9-C28	1.61	J	1	1.00	4.37	mg/kg	FE053553.D
Total AliphaticEPH	Total AliphaticEPH	6.56	U		2.29	6.56	mg/kg	
Total EPH	Total EPH	6.56	U		2.29	6.56	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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Lab Sample ID:	Q1895-03		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	91.2	
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Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053553.D	1	04/28/25	04/28/25	PB167768

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	1.61	J	1.00	4.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.19	U	1.29	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.3		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.8		40 - 140	84%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1895-03	Acq On:	28 Apr 2025 20:10
Client Sample ID:	COMP-2	Operator:	YP\AJ
Data file:	FE053553.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.119	6.761	379095	2.736	300	ug/ml
Aliphatic C12-C16	6.762	10.211	1112860	7.848	200	ug/ml
Aliphatic C16-C21	10.212	13.587	475234	3.269	300	ug/ml
Aliphatic C21-C28	13.588	17.257	1166924	8.208	400	ug/ml
Aliphatic C28-C40	17.258	22.153	1949615	15.108	600	ug/ml
Aliphatic EPH	3.119	22.153	5083728	37.168		ug/ml
ortho-Terphenyl (SURR)	11.873	11.873	7530598	41.75		ug/ml
1-chlorooctadecane (SURR)	13.317	13.317	5718476	42.3		ug/ml
Aliphatic C9-C28	3.119	17.257	3134113	22.061	1200	ug/ml