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:	RT-3888			SDG No.:	Q2097
Lab Sample ID:	Q2097-17			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	92.8
Sample Wt/Vol:	30.07	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 23:23	PB168103

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.44		1	1.27	2.15	mg/kg	FE053962.D
Aliphatic C9-C28	Aliphatic C9-C28	3.83	J	1	0.98	4.31	mg/kg	FE053962.D
Total AliphaticEPH	Total AliphaticEPH	9.27			2.25	6.46	mg/kg	
Total EPH	Total EPH	9.27			2.25	6.46	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:	RT-3888		SDG No.:	Q2097	
Lab Sample ID:	Q2097-17		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	92.8	
Sample Wt/Vol:	30.07	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
FE053962.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	3.83	J	0.98	4.31	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.44		1.27	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.2		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.4		40 - 140	69%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2097-17	Acq On:	21 May 2025 23:23
Client Sample ID:	RT-3888	Operator:	YP\AJ
Data file:	FE053962.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	3.094	6.735	254071	1.874	300	ug/ml
Aliphatic C12-C16	6.736	10.183	680308	5.042	200	ug/ml
Aliphatic C16-C21	10.184	13.556	4271962	32.385	300	ug/ml
Aliphatic C21-C28	13.557	17.223	1989878	16.025	400	ug/ml
Aliphatic C28-C40	17.224	22.099	8768513	75.963	600	ug/ml
Aliphatic EPH	3.094	22.099	15964732	131.289		ug/ml
ortho-Terphenyl (SURR)	11.845	11.845	5591741	34.41		ug/ml
1-chlorooctadecane (SURR)	13.290	13.290	4405342	37.16		ug/ml
Aliphatic C9-C28	3.094	17.223	7196219	55.326	1200	ug/ml