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

Report of Analysis

Client:	PSEG			Date Collected:	
Project:	Port Street Substation 69kV			Date Received:	
Client Sample ID:	PB169120BSD			SDG No.:	Q2753
Lab Sample ID:	PB169120BSD			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
08/05/25 09:20	08/05/25 14:54	PB169120

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	26.0		1	1.18	2.00	mg/kg	FE055130.D
Aliphatic C9-C28	Aliphatic C9-C28	69.8		1	0.91	4.00	mg/kg	FE055130.D
Total AliphaticEPH	Total AliphaticEPH	95.8			2.09	6.00	mg/kg	
Total EPH	Total EPH	95.8			2.09	6.00	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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Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.01 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
FE055130.D	1	08/05/25	08/05/25	PB169120

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	69.8		0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.0		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.0		40 - 140	86%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.2		40 - 140	82%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169120BSD	Acq On:	05 Aug 2025 14:54
Client Sample ID:	PB169120BSD	Operator:	YP\AJ
Data file:	FE055130.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.958	20183391	172.829	300	ug/ml
Aliphatic C12-C16	6.959	10.410	29076655	232.191	200	ug/ml
Aliphatic C16-C21	10.411	13.789	34586982	273.621	300	ug/ml
Aliphatic C21-C28	13.790	17.459	44476586	369.083	400	ug/ml
Aliphatic C28-C40	17.460	22.481	44400343	389.52	600	ug/ml
Aliphatic EPH	3.325	22.481	172723957	1440		ug/ml
ortho-Terphenyl (SURR)	12.089	12.089	5880780	41.18		ug/ml
1-chlorooctadecane (SURR)	13.524	13.524	4623073	43		ug/ml
Aliphatic C9-C28	3.325	17.459	128323614	1050	1200	ug/ml