

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Port Street Substation 69kV	Date Received:	
Client Sample ID:	PB169120BL	SDG No.:	Q2753
Lab Sample ID:	PB169120BL	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 13:53	PB169120

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.00	U	1	1.18	2.00	mg/kg	FE055128.D
Aliphatic C9-C28	Aliphatic C9-C28	4.00	U	1	0.91	4.00	mg/kg	FE055128.D
Total AliphaticEPH	Total AliphaticEPH	6.00	U		2.09	6.00	mg/kg	
Total EPH	Total EPH	6.00	U		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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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 08:00	08/05/25 13:53	PB169120

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	FE055128.D
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	4.00	mg/kg	FE055128.D
Total AliphaticEPH	Total AliphaticEPH	2.09	U		2.09	6.00	mg/kg	
Total EPH	Total EPH	2.09	U		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.

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Client:	Date Collected:
Project:	Date Received:
Client Sample ID:	SDG No.:
Lab Sample ID:	Matrix:
Analytical Method: NJEPH	
Sample Wt/Vol: Units:	Final Vol:
Soil Aliquot Vol: uL	Test:
Prep Method :	

Prep Date :

Date Analyzed :

Prep Batch ID

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL
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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
FE055128.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	0.000	U	0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	46.8		40 - 140	94%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.3		40 - 140	90%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169120BL	Acq On:	05 Aug 2025 13:53
Client Sample ID:	PB169120BL	Operator:	YP\AJ
Data file:	FE055128.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.958	0	0	300	ug/ml
Aliphatic C12-C16	6.959	10.410	0	0	200	ug/ml
Aliphatic C16-C21	10.411	13.789	0	0	300	ug/ml
Aliphatic C21-C28	13.790	17.459	0	0	400	ug/ml
Aliphatic C28-C40	17.460	22.481	0	0	600	ug/ml
Aliphatic EPH	3.325	22.481	0	0		ug/ml
ortho-Terphenyl (SURR)	12.092	12.092	6461864	45.25		ug/ml
1-chlorooctadecane (SURR)	13.529	13.529	5032560	46.8		ug/ml
Aliphatic C9-C28	3.325	17.459	0	0	1200	ug/ml