

Report of Analysis

Client:	PSEG	Date Collected:	05/05/25
Project:	Metro HQ	Date Received:	05/05/25
Client Sample ID:	72-11933	SDG No.:	Q1960
Lab Sample ID:	Q1960-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.6
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
05/06/25 08:35	05/06/25 18:33	PB167876

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	11.4		1	1.34	2.28	mg/kg FE053675.D
Aliphatic C9-C28	Aliphatic C9-C28	4.83		1	1.04	4.56	mg/kg FE053675.D
Total AliphaticEPH	Total AliphaticEPH	16.2			2.38	6.84	mg/kg
Total EPH	Total EPH	16.2			2.38	6.84	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053675.D	1	05/06/25	05/06/25	PB167876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.83		1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.4		1.34	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.1		40 - 140	58%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.3		40 - 140	54%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1960-02	Acq On:	06 May 2025 18:33
Client Sample ID:	72-11933	Operator:	YP\AJ
Data file:	FE053675.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.110	6.752	392152	2.83	300	ug/ml
Aliphatic C12-C16	6.753	10.201	2938995	20.725	200	ug/ml
Aliphatic C16-C21	10.202	13.575	1756666	12.085	300	ug/ml
Aliphatic C21-C28	13.576	17.244	3985905	28.035	400	ug/ml
Aliphatic C28-C40	17.245	22.131	19395100	150.292	600	ug/ml
Aliphatic EPH	3.110	22.131	28468818	213.968		ug/ml
ortho-Terphenyl (SURR)	11.861	11.861	4915530	27.25		ug/ml
1-chlorooctadecane (SURR)	13.307	13.307	3939073	29.14		ug/ml
Aliphatic C9-C28	3.110	17.244	9073718	63.675	1200	ug/ml