

Report of Analysis

Client:	PSEG	Date Collected:	05/14/25
Project:	Clifton HQ	Date Received:	05/14/25
Client Sample ID:	72-12000	SDG No.:	Q2043
Lab Sample ID:	Q2043-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	67.2
Sample Wt/Vol:	5.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
05/15/25 09:30	05/16/25 10:41	PB168018

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	7950		100	1040	1760	mg/kg FE053870.D
Aliphatic C9-C28	Aliphatic C9-C28	49300		100	801	3530	mg/kg FE053870.D
Total AliphaticEPH	Total AliphaticEPH	57300			1840	5290	mg/kg
Total EPH	Total EPH	57300			1840	5290	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:	67.2
Sample Wt/Vol:	5.06	Units:	g
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Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053860.D	1	05/15/25	05/15/25	PB168018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	45200	E	8.04	35.3	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6510	E	10.4	17.6	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	0.00		40 - 140	0%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2043-03	Acq On:	15 May 2025 22:43
Client Sample ID:	72-12000	Operator:	YP\AJ
Data file:	FE053860.D	Misc:	
Instrument:	FID_E	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.101	6.743	3318055	24.476	300	ug/ml
Aliphatic C12-C16	6.744	10.192	975775372	7230	200	ug/ml
Aliphatic C16-C21	10.193	13.567	6821354915	51700	300	ug/ml
Aliphatic C21-C28	13.568	17.235	2213409598	17800	400	ug/ml
Aliphatic C28-C40	17.236	22.117	1277307417	11100	600	ug/ml
Aliphatic EPH	3.101	22.117	11291165357	87900		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	0.000	0.000	0	0		ug/ml
Aliphatic C9-C28	3.101	17.235	10013857940	76800	1200	ug/ml