

Report of Analysis

Client:	PSEG	Date Collected:	01/15/25
Project:	Clifton HQ	Date Received:	01/15/25
Client Sample ID:	72-11938	SDG No.:	Q1094
Lab Sample ID:	Q1094-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.6
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
01/16/25 09:24	01/16/25 16:23	PB166075

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	20.2		1	1.94	2.16	mg/kg FG015094.D
Aliphatic C9-C28	Aliphatic C9-C28	10.3		1	1.85	4.32	mg/kg FG015094.D
Total AliphaticEPH	Total AliphaticEPH	30.5			3.79	6.48	mg/kg
Total EPH	Total EPH	30.5			3.79	6.48	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

Report of Analysis

Client:	PSEG	Date Collected:	01/15/25
Project:	Clifton HQ	Date Received:	01/15/25
Client Sample ID:	72-11938	SDG No.:	Q1094
Lab Sample ID:	Q1094-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.6
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015094.D	1	01/16/25	01/16/25	PB166075

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	10.3		1.85	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	20.2		1.94	2.16	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	45.7		40 - 140	91%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.9		40 - 140	84%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1094-01	Acq On:	16 Jan 2025 16:23
Client Sample ID:	72-11938	Operator:	YP\AJ
Data file:	FG015094.D	Misc:	
Instrument:	FID_G	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.184	6.824	869764	6.545	300	ug/ml
Aliphatic C12-C16	6.825	10.276	1508595	10.683	200	ug/ml
Aliphatic C16-C21	10.277	13.654	10390580	71.898	300	ug/ml
Aliphatic C21-C28	13.655	17.329	7433637	54.376	400	ug/ml
Aliphatic C28-C40	17.330	22.271	29702332	281.298	600	ug/ml
Aliphatic EPH	3.184	22.271	49904908	424.8		ug/ml
ortho-Terphenyl (SURR)	11.945	11.945	6548482	41.88		ug/ml
1-chlorooctadecane (SURR)	13.391	13.391	5559621	45.66		ug/ml
Aliphatic C9-C28	3.184	17.329	20202576	143.502	1200	ug/ml