

Report of Analysis

Client:	PSEG	Date Collected:	04/01/25
Project:	Clifton HQ	Date Received:	04/01/25
Client Sample ID:	72-12016	SDG No.:	Q1687
Lab Sample ID:	Q1687-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.2
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
04/01/25 14:00	04/02/25 0:28	PB167416

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	9.49		1	1.45	2.46	mg/kg FE053110.D
Aliphatic C9-C28	Aliphatic C9-C28	12.2		1	1.12	4.92	mg/kg FE053110.D
Total AliphaticEPH	Total AliphaticEPH	21.7			2.57	7.38	mg/kg
Total EPH	Total EPH	21.7			2.57	7.38	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:	04/01/25
Project:	Clifton HQ	Date Received:	04/01/25
Client Sample ID:	72-12016	SDG No.:	Q1687
Lab Sample ID:	Q1687-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.2
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053110.D	1	04/01/25	04/02/25	PB167416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	12.2		1.12	4.92	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.49		1.45	2.46	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.4		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.0		40 - 140	64%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1687-01	Acq On:	02 Apr 2025 00:28
Client Sample ID:	72-12016	Operator:	YP\AJ
Data file:	FE053110.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	3.141	6.782	1065718	6.83	300	ug/ml
Aliphatic C12-C16	6.783	10.232	1689051	10.994	200	ug/ml
Aliphatic C16-C21	10.233	13.609	9211460	63.819	300	ug/ml
Aliphatic C21-C28	13.610	17.278	9094827	67.696	400	ug/ml
Aliphatic C28-C40	17.279	22.189	14378473	115.716	600	ug/ml
Aliphatic EPH	3.141	22.189	35439529	265.056		ug/ml
ortho-Terphenyl (SURR)	11.891	11.891	5208158	31.97		ug/ml
1-chlorooctadecane (SURR)	13.335	13.335	4007247	33.38		ug/ml
Aliphatic C9-C28	3.141	17.278	21061056	149.339	1200	ug/ml