

Report of Analysis

Client:	PSEG	Date Collected:	06/04/25
Project:	Clifton Electric	Date Received:	06/04/25
Client Sample ID:	72-11934	SDG No.:	Q2218
Lab Sample ID:	Q2218-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/06/25 10:00	06/06/25 20:01	PB168322

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	6.80		1	1.28	2.17	mg/kg FG015973.D
Aliphatic C9-C28	Aliphatic C9-C28	10.1		1	0.99	4.36	mg/kg FG015973.D
Total AliphaticEPH	Total AliphaticEPH	16.9			2.27	6.53	mg/kg
Total EPH	Total EPH	16.9			2.27	6.53	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:	91.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015973.D	1	06/06/25	06/06/25	PB168322

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	10.1		0.99	4.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.80		1.28	2.17	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.1		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.1		40 - 140	74%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2218-01	Acq On:	06 Jun 2025 20:01
Client Sample ID:	72-11934	Operator:	YP\AJ
Data file:	FG015973.D	Misc:	
Instrument:	FID_G	ALS Vial:	30
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.118	6.761	254446	2.241	300	ug/ml
Aliphatic C12-C16	6.762	10.209	797743	6.834	200	ug/ml
Aliphatic C16-C21	10.210	13.585	8140015	66.613	300	ug/ml
Aliphatic C21-C28	13.586	17.255	7710218	64.174	400	ug/ml
Aliphatic C28-C40	17.256	22.148	10363992	93.848	600	ug/ml
Aliphatic EPH	3.118	22.148	27266414	233.711		ug/ml
ortho-Terphenyl (SURR)	11.873	11.873	5519441	37.07		ug/ml
1-chlorooctadecane (SURR)	13.318	13.318	4621255	40.12		ug/ml
Aliphatic C9-C28	3.118	17.255	16902422	139.862	1200	ug/ml