

Report of Analysis

Client:	PSEG	Date Collected:	01/31/25
Project:	Clifton HQ	Date Received:	01/31/25
Client Sample ID:	RBR200030-E2	SDG No.:	Q1271
Lab Sample ID:	Q1271-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
02/01/25 09:31	02/03/25 18:35	PB166469

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	12.4		1	1.96	2.17	mg/kg FF015442.D
Aliphatic C9-C28	Aliphatic C9-C28	5.22		1	1.87	4.35	mg/kg FF015442.D
Total AliphaticEPH	Total AliphaticEPH	17.6			3.83	6.52	mg/kg
Total EPH	Total EPH	17.6			3.83	6.52	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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Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF015442.D	1	02/01/25	02/03/25	PB166469

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.22		1.87	4.35	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	12.4		1.96	2.17	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.4		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.8		40 - 140	64%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1271-02	Acq On:	03 Feb 2025 18:35
Client Sample ID:	RBR200030-E2	Operator:	YP\AJ
Data file:	FF015442.D	Misc:	
Instrument:	FID_F	ALS Vial:	80
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.213	6.835	394113	2.957	300	ug/ml
Aliphatic C12-C16	6.836	10.270	1213366	8.767	200	ug/ml
Aliphatic C16-C21	10.271	13.640	6819235	47.206	300	ug/ml
Aliphatic C21-C28	13.641	17.307	2297197	16.13	400	ug/ml
Aliphatic C28-C40	17.308	22.219	17966771	171.624	600	ug/ml
Aliphatic EPH	3.213	22.219	28690682	246.684		ug/ml
ortho-Terphenyl (SURR)	11.939	11.939	5060426	31.83		ug/ml
1-chlorooctadecane (SURR)	13.377	13.377	4159151	33.36		ug/ml
Aliphatic C9-C28	3.213	17.307	10723911	75.06	1200	ug/ml