

Report of Analysis

Client:	PSEG	Date Collected:	01/22/25
Project:	Clifton HQ	Date Received:	01/22/25
Client Sample ID:	VNJ-220-E2	SDG No.:	Q1154
Lab Sample ID:	Q1154-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	70.4
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
01/23/25 09:20	01/24/25 8:46	PB166186

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	151		5	12.8	14.2	mg/kg FE052038.D
Aliphatic C9-C28	Aliphatic C9-C28	3480		50	122	283	mg/kg FE052039.D
Total AliphaticEPH	Total AliphaticEPH	3630			135	297	mg/kg
Total EPH	Total EPH	3630			135	297	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052022.D	1	01/23/25	01/23/25	PB166186

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3480	E	2.43	5.67	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	147	E	2.55	2.83	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:	Q1154-02	Acq On:	23 Jan 2025 18:05
Client Sample ID:	VNJ-220-E2	Operator:	YP\AJ
Data file:	FE052022.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.586	7.140	12314489	112.305	300	ug/ml
Aliphatic C12-C16	7.141	10.539	524118101	4320	200	ug/ml
Aliphatic C16-C21	10.540	13.882	3570130307	27200	300	ug/ml
Aliphatic C21-C28	13.883	17.526	694790312	5260	400	ug/ml
Aliphatic C28-C40	17.527	22.550	167981529	1570	600	ug/ml
Aliphatic EPH	3.586	22.550	4969334738	38500		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	3.586	17.526	4801353209	36900	1200	ug/ml