

Report of Analysis

Client:	PSEG	Date Collected:	01/22/25
Project:	Clifton HQ	Date Received:	01/22/25
Client Sample ID:	VNJ-220	SDG No.:	Q1154
Lab Sample ID:	Q1154-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	72
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
01/23/25 09:20	01/24/25 7:46	PB166186

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	171		5	12.5	13.9	mg/kg FE052036.D
Aliphatic C9-C28	Aliphatic C9-C28	4190		50	119	277	mg/kg FE052037.D
Total AliphaticEPH	Total AliphaticEPH	4360			132	291	mg/kg
Total EPH	Total EPH	4360			132	291	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
FE052021.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	3700	E	2.39	5.55	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	150	E	2.50	2.77	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:	Q1154-01	Acq On:	23 Jan 2025 17:35
Client Sample ID:	VNJ-220	Operator:	YP\AJ
Data file:	FE052021.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.586	7.140	12848667	117.177	300	ug/ml
Aliphatic C12-C16	7.141	10.539	571900070	4720	200	ug/ml
Aliphatic C16-C21	10.540	13.882	3880277560	29600	300	ug/ml
Aliphatic C21-C28	13.883	17.526	747103673	5660	400	ug/ml
Aliphatic C28-C40	17.527	22.550	174837760	1630	600	ug/ml
Aliphatic EPH	3.586	22.550	5386967730	41700		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	5212129970	40100	1200	ug/ml