

Report of Analysis

Client:	PSEG	Date Collected:	11/14/24
Project:	Clifton HQ	Date Received:	11/14/24
Client Sample ID:	VNJ-226	SDG No.:	P4857
Lab Sample ID:	P4857-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.9
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
11/15/24 09:30	11/15/24 23:51	PB164994

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	5.42		1	1.92	2.13	mg/kg FE051277.D
Aliphatic C9-C28	Aliphatic C9-C28	7.41		1	1.83	4.25	mg/kg FE051277.D
Total AliphaticEPH	Total AliphaticEPH	12.8			3.75	6.38	mg/kg
Total EPH	Total EPH	12.8			3.75	6.38	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

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Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051277.D	1	11/15/24	11/15/24	PB164994

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	7.41		1.83	4.25	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.42		1.92	2.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.3		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.4		40 - 140	71%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4857-03	Acq On:	15 Nov 2024 23:51
Client Sample ID:	VNJ-226	Operator:	YP\AJ
Data file:	FE051277.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	3.134	6.753	1412229	10.093	300	ug/ml
Aliphatic C12-C16	6.754	10.185	2147462	15.27	200	ug/ml
Aliphatic C16-C21	10.186	13.544	5494413	39.882	300	ug/ml
Aliphatic C21-C28	13.545	17.200	5245978	39.163	400	ug/ml
Aliphatic C28-C40	17.201	22.043	9828143	76.336	600	ug/ml
Aliphatic EPH	3.134	22.043	24128225	180.744		ug/ml
ortho-Terphenyl (SURR)	11.847	11.847	5316391	35.42		ug/ml
1-chlorooctadecane (SURR)	13.279	13.279	4239635	37.34		ug/ml
Aliphatic C9-C28	3.134	17.200	14300082	104.408	1200	ug/ml