

Report of Analysis

Client:	PSEG	Date Collected:	11/14/24
Project:	Clifton HQ	Date Received:	11/14/24
Client Sample ID:	VNJ-226-E2	SDG No.:	P4857
Lab Sample ID:	P4857-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.9
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
11/15/24 09:30	11/16/24 0:21	PB164994

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	4.98		1	1.91	2.13	mg/kg FE051278.D
Aliphatic C9-C28	Aliphatic C9-C28	6.01		1	1.83	4.25	mg/kg FE051278.D
Total AliphaticEPH	Total AliphaticEPH	11.0			3.74	6.38	mg/kg
Total EPH	Total EPH	11.0			3.74	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
FE051278.D	1	11/15/24	11/16/24	PB164994

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	6.01		1.83	4.25	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.98		1.91	2.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.3		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.9		40 - 140	74%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4857-04	Acq On:	16 Nov 2024 00:21
Client Sample ID:	VNJ-226-E2	Operator:	YP\AJ
Data file:	FE051278.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	3.134	6.753	1680243	12.009	300	ug/ml
Aliphatic C12-C16	6.754	10.185	1848261	13.142	200	ug/ml
Aliphatic C16-C21	10.186	13.544	3877063	28.142	300	ug/ml
Aliphatic C21-C28	13.545	17.200	4217461	31.485	400	ug/ml
Aliphatic C28-C40	17.201	22.043	9043852	70.244	600	ug/ml
Aliphatic EPH	3.134	22.043	20666880	155.023		ug/ml
ortho-Terphenyl (SURR)	11.846	11.846	5544294	36.94		ug/ml
1-chlorooctadecane (SURR)	13.279	13.279	4351164	38.33		ug/ml
Aliphatic C9-C28	3.134	17.200	11623028	84.778	1200	ug/ml