

Report of Analysis

Client:	PSEG	Date Collected:	08/13/25
Project:	Clifton HQ	Date Received:	08/13/25
Client Sample ID:	VNJ 216	SDG No.:	Q2858
Lab Sample ID:	Q2858-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.4
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
08/14/25 09:50	08/15/25 11:48	PB169246

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	90.6		5	6.23	10.6	mg/kg FE055323.D
Aliphatic C9-C28	Aliphatic C9-C28	40.0		1	0.96	4.23	mg/kg FE055310.D
Total AliphaticEPH	Total AliphaticEPH	131			7.19	14.8	mg/kg
Total EPH	Total EPH	131			7.19	14.8	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
FE055310.D	1	08/14/25	08/14/25	PB169246

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	40.0		0.96	4.23	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	84.4	E	1.25	2.11	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.8		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.7		40 - 140	61%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2858-01	Acq On:	14 Aug 2025 20:33
Client Sample ID:	VNJ 216	Operator:	YP\AJ
Data file:	FE055310.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.959	544454	4.662	300	ug/ml
Aliphatic C12-C16	6.960	10.413	12613144	100.722	200	ug/ml
Aliphatic C16-C21	10.414	13.792	29342408	232.13	300	ug/ml
Aliphatic C21-C28	13.793	17.465	27911720	231.622	400	ug/ml
Aliphatic C28-C40	17.466	22.492	136699547	1200	600	ug/ml
Aliphatic EPH	3.325	22.492	207111273	1770		ug/ml
ortho-Terphenyl (SURR)	12.088	12.088	4387274	30.72		ug/ml
1-chlorooctadecane (SURR)	13.525	13.525	4489092	41.75		ug/ml
Aliphatic C9-C28	3.325	17.465	70411726	569.136	1200	ug/ml