

Report of Analysis

Client:	PSEG	Date Collected:	01/16/25
Project:	Defective Pole Replacement	Date Received:	01/16/25
Client Sample ID:	VNJ-241	SDG No.:	Q1103
Lab Sample ID:	Q1103-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.5
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
01/17/25 10:10	01/17/25 15:53	PB166099

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	8.89		1	1.94	2.16	mg/kg FE051948.D
Aliphatic C9-C28	Aliphatic C9-C28	8.99		1	1.86	4.32	mg/kg FE051948.D
Total AliphaticEPH	Total AliphaticEPH	17.9			3.80	6.48	mg/kg
Total EPH	Total EPH	17.9			3.80	6.48	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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Analytical Method:	NJEPH	% Solid:	92.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051948.D	1	01/17/25	01/17/25	PB166099

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	8.99		1.86	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.89		1.94	2.16	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.5		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.8		40 - 140	58%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1103-01	Acq On:	17 Jan 2025 15:53
Client Sample ID:	VNJ-241	Operator:	YP\AJ
Data file:	FE051948.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.508	7.090	775848	7.076	300	ug/ml
Aliphatic C12-C16	7.091	10.508	699391	5.77	200	ug/ml
Aliphatic C16-C21	10.509	13.863	5397032	41.14	300	ug/ml
Aliphatic C21-C28	13.864	17.513	9389353	71.1	400	ug/ml
Aliphatic C28-C40	17.514	22.545	13260253	123.59	600	ug/ml
Aliphatic EPH	3.508	22.545	29521877	248.675		ug/ml
ortho-Terphenyl (SURR)	12.179	12.179	4109497	28.75		ug/ml
1-chlorooctadecane (SURR)	13.601	13.601	3613439	31.5		ug/ml
Aliphatic C9-C28	3.508	17.513	16261624	125.086	1200	ug/ml