

Report of Analysis

Client:	PSEG	Date Collected:	07/09/25
Project:	9th Ave Pole Yard	Date Received:	07/09/25
Client Sample ID:	VNJ-245	SDG No.:	Q2542
Lab Sample ID:	Q2542-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.6
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
07/10/25 09:25	07/11/25 10:19	PB168786

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	59.6		2	2.47	4.18	mg/kg FE054805.D
Aliphatic C9-C28	Aliphatic C9-C28	4.21		1	0.95	4.17	mg/kg FE054786.D
Total AliphaticEPH	Total AliphaticEPH	63.8			3.42	8.35	mg/kg
Total EPH	Total EPH	63.8			3.42	8.35	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054786.D	1	07/10/25	07/10/25	PB168786

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.21		0.95	4.17	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	56.7	E	1.23	2.09	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.0		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.3		40 - 140	61%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2542-01	Acq On:	10 Jul 2025 18:24
Client Sample ID:	VNJ-245	Operator:	YP\AJ
Data file:	FE054786.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.319	6.952	445016	3.271	300	ug/ml
Aliphatic C12-C16	6.953	10.404	1037563	7.381	200	ug/ml
Aliphatic C16-C21	10.405	13.781	2283387	15.814	300	ug/ml
Aliphatic C21-C28	13.782	17.452	4931395	34.092	400	ug/ml
Aliphatic C28-C40	17.453	22.471	112901843	814.309	600	ug/ml
Aliphatic EPH	3.319	22.471	121599204	874.866		ug/ml
ortho-Terphenyl (SURR)	12.084	12.084	4921578	30.31		ug/ml
1-chlorooctadecane (SURR)	13.520	13.520	3909721	30.96		ug/ml
Aliphatic C9-C28	3.319	17.452	8697361	60.558	1200	ug/ml