

Report of Analysis

Client:	PSEG	Date Collected:	04/24/25
Project:	Camden M&R	Date Received:	04/24/25
Client Sample ID:	VNJ-236	SDG No.:	Q1874
Lab Sample ID:	Q1874-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.8
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
04/25/25 08:45	04/25/25 16:54	PB167736

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.50		1	1.27	2.15	mg/kg	FE053531.D
Aliphatic C9-C28	Aliphatic C9-C28	3.32	J	1	0.98	4.31	mg/kg	FE053531.D
Total AliphaticEPH	Total AliphaticEPH	6.82			2.25	6.46	mg/kg	
Total EPH	Total EPH	6.82			2.25	6.46	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
FE053531.D	1	04/25/25	04/25/25	PB167736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.32	J	0.98	4.31	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.50		1.27	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.7		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.7		40 - 140	65%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1874-01	Acq On:	25 Apr 2025 16:54
Client Sample ID:	VNJ-236	Operator:	YP\AJ
Data file:	FE053531.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	3.117	6.758	451574	3.259	300	ug/ml
Aliphatic C12-C16	6.759	10.207	1077397	7.598	200	ug/ml
Aliphatic C16-C21	10.208	13.582	5146002	35.401	300	ug/ml
Aliphatic C21-C28	13.583	17.248	1117934	7.863	400	ug/ml
Aliphatic C28-C40	17.249	22.139	6303813	48.848	600	ug/ml
Aliphatic EPH	3.117	22.139	14096720	102.969		ug/ml
ortho-Terphenyl (SURR)	11.870	11.870	5895600	32.69		ug/ml
1-chlorooctadecane (SURR)	13.315	13.315	4560375	33.74		ug/ml
Aliphatic C9-C28	3.117	17.248	7792907	54.121	1200	ug/ml