

Report of Analysis

Client:	PSEG	Date Collected:	10/17/25
Project:	Sewaren Central Maintenance Shop	Date Received:	10/17/25
Client Sample ID:	VNJ-222	SDG No.:	Q3381
Lab Sample ID:	Q3381-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.4
Sample Wt/Vol:	30.06 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/20/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	5.28		1	1.32	2.23	mg/kg	FF016578.D	10/20/25 20:10	PB170169
Aliphatic C9-C28	Aliphatic C9-C28	2.66	J	1	1.02	4.47	mg/kg	FF016578.D	10/20/25 20:10	PB170169
Total AliphaticEPH	Total AliphaticEPH	7.94			2.34	6.70	mg/kg			
Total EPH	Total EPH	7.94			2.34	6.70	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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Sample Wt/Vol:	30.06 g	Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF
		Prep Date	10/20/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	2.66	J	1	1.02	4.47	mg/kg	10/20/25	PB170169
Aliphatic C28-C40	Aliphatic C28-C40	5.28		1	1.32	2.23	mg/kg	10/20/25	PB170169
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	21.3			40 - 140	42%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	21.1			40 - 140	42%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3381-01	Acq On:	20 Oct 2025 20:10
Client Sample ID:	VNJ-222	Operator:	YP\AJ
Data file:	FF016578.D	Misc:	
Instrument:	FID_F	ALS Vial:	79
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.220	6.761	583428	4.883	300	ug/ml
Aliphatic C12-C16	6.762	10.304	823747	6.627	200	ug/ml
Aliphatic C16-C21	10.305	13.679	1216332	9.328	300	ug/ml
Aliphatic C21-C28	13.680	17.353	1987155	14.867	400	ug/ml
Aliphatic C28-C40	17.354	22.324	7685821	70.925	600	ug/ml
Aliphatic EPH	3.220	22.324	12296483	106.63		ug/ml
ortho-Terphenyl (SURR)	11.967	11.967	3055322	21.12		ug/ml
1-chlorooctadecane (SURR)	13.409	13.409	2370450	21.25		ug/ml
Aliphatic C9-C28	3.220	17.353	4610662	35.705	1200	ug/ml