

Report of Analysis

Client:	PSEG	Date Collected:	10/17/25
Project:	Sewaren Central Maintenance Shop	Date Received:	10/17/25
Client Sample ID:	VNJ-255	SDG No.:	Q3381
Lab Sample ID:	Q3381-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.5
Sample Wt/Vol:	30.09 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	4.68		1	1.27	2.16	mg/kg	FE056389.D	10/20/25 16:17	PB170169
Aliphatic C9-C28	Aliphatic C9-C28	1.82	J	1	0.98	4.32	mg/kg	FE056389.D	10/20/25 16:17	PB170169
Total AliphaticEPH	Total AliphaticEPH	6.50			2.25	6.48	mg/kg			
Total EPH	Total EPH	6.50			2.25	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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CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	1.82	J	1	0.98	4.32	mg/kg	10/20/25	PB170169
Aliphatic C28-C40	Aliphatic C28-C40	4.68		1	1.27	2.16	mg/kg	10/20/25	PB170169
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	25.7			40 - 140	51%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	24.4			40 - 140	49%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3381-07	Acq On:	20 Oct 2025 16:17
Client Sample ID:	VNJ-255	Operator:	YP\AJ
Data file:	FE056389.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.300	6.926	1101418	6.672	300	ug/ml
Aliphatic C12-C16	6.927	10.378	655003	3.841	200	ug/ml
Aliphatic C16-C21	10.379	13.756	827385	4.632	300	ug/ml
Aliphatic C21-C28	13.757	17.428	1815087	10.135	400	ug/ml
Aliphatic C28-C40	17.429	22.423	9045517	65.168	600	ug/ml
Aliphatic EPH	3.300	22.423	13444410	90.448		ug/ml
ortho-Terphenyl (SURR)	12.052	12.052	4987503	24.41		ug/ml
1-chlorooctadecane (SURR)	13.489	13.489	3925941	25.73		ug/ml
Aliphatic C9-C28	3.300	17.428	4398893	25.28	1200	ug/ml