

Report of Analysis

Client:	PSEG	Date Collected:	11/04/25
Project:	PSEG Sewaren Control House	Date Received:	11/04/25
Client Sample ID:	TP-2	SDG No.:	Q3532
Lab Sample ID:	Q3532-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.4
Sample Wt/Vol:	30.04 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	11/05/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	8.64		1	1.38	2.34	mg/kg	FE056677.D	11/05/25 17:38	PB170401
Aliphatic C9-C28	Aliphatic C9-C28	4.68	U	1	1.06	4.68	mg/kg	FE056677.D	11/05/25 17:38	PB170401
Total AliphaticEPH	Total AliphaticEPH	8.64			2.44	7.02	mg/kg			
Total EPH	Total EPH	8.64			2.44	7.02	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:	85.4
Sample Wt/Vol:	30.04 g	Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF
		Prep Date	11/05/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	0.000	U	1	1.06	4.68	mg/kg	11/05/25	PB170401
Aliphatic C28-C40	Aliphatic C28-C40	8.64		1	1.38	2.34	mg/kg	11/05/25	PB170401
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	29.9			40 - 140	60%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	26.1			40 - 140	52%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3532-05	Acq On:	05 Nov 2025 17:38
Client Sample ID:	TP-2	Operator:	YP\AJ
Data file:	FE056677.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	3.223	6.851	487681	2.849	300	ug/ml
Aliphatic C12-C16	6.852	10.300	826430	4.623	200	ug/ml
Aliphatic C16-C21	10.301	13.678	973166	5.218	300	ug/ml
Aliphatic C21-C28	13.679	17.350	1408972	7.309	400	ug/ml
Aliphatic C28-C40	17.351	22.302	17650523	110.79	600	ug/ml
Aliphatic EPH	3.223	22.302	21346772	130.79		ug/ml
ortho-Terphenyl (SURR)	11.971	11.971	5456757	26.12		ug/ml
1-chlorooctadecane (SURR)	13.411	13.411	4817426	29.9		ug/ml
Aliphatic C9-C28	3.223	17.350	3696249	19.999	1200	ug/ml