

Report of Analysis

Client:	PSEG	Date Collected:	11/04/25
Project:	PSEG Sewaren Control House	Date Received:	11/04/25
Client Sample ID:	TP-1-EPH	SDG No.:	Q3532
Lab Sample ID:	Q3532-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.4
Sample Wt/Vol:	30.03 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	9.64		1	1.43	2.42	mg/kg	FE056676.D	11/05/25 17:08	PB170401
Aliphatic C9-C28	Aliphatic C9-C28	2.98	J	1	1.10	4.85	mg/kg	FE056676.D	11/05/25 17:08	PB170401
Total AliphaticEPH	Total AliphaticEPH	12.6			2.53	7.27	mg/kg			
Total EPH	Total EPH	12.6			2.53	7.27	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	2.98	J	1	1.10	4.85	mg/kg	11/05/25	PB170401
Aliphatic C28-C40	Aliphatic C28-C40	9.64		1	1.43	2.42	mg/kg	11/05/25	PB170401
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	28.5			40 - 140	57%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	26.8			40 - 140	54%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3532-02	Acq On:	05 Nov 2025 17:08
Client Sample ID:	TP-1-EPH	Operator:	YP\AJ
Data file:	FE056676.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.223	6.851	583920	3.411	300	ug/ml
Aliphatic C12-C16	6.852	10.300	674932	3.776	200	ug/ml
Aliphatic C16-C21	10.301	13.678	5537837	29.693	300	ug/ml
Aliphatic C21-C28	13.679	17.350	1240455	6.435	400	ug/ml
Aliphatic C28-C40	17.351	22.302	18999781	119.259	600	ug/ml
Aliphatic EPH	3.223	22.302	27036925	162.574		ug/ml
ortho-Terphenyl (SURR)	11.971	11.971	5602697	26.82		ug/ml
1-chlorooctadecane (SURR)	13.412	13.412	4585867	28.46		ug/ml
Aliphatic C9-C28	3.223	17.350	8037144	43.315	1200	ug/ml