

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-EPH	SDG No.:	Q3532
Lab Sample ID:	Q3532-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.4
Sample Wt/Vol:	30.01 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	7.80		1	1.41	2.40	mg/kg	FE056678.D	11/05/25 18:08	PB170401
Aliphatic C9-C28	Aliphatic C9-C28	2.36	J	1	1.09	4.80	mg/kg	FE056678.D	11/05/25 18:08	PB170401
Total AliphaticEPH	Total AliphaticEPH	10.2			2.50	7.20	mg/kg			
Total EPH	Total EPH	10.2			2.50	7.20	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	2.36	J	1	1.09	4.80	mg/kg	11/05/25	PB170401
Aliphatic C28-C40	Aliphatic C28-C40	7.80		1	1.41	2.40	mg/kg	11/05/25	PB170401
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	42.9			40 - 140	86%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	40.0			40 - 140	80%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3532-06	Acq On:	05 Nov 2025 18:08
Client Sample ID:	TP-2-EPH	Operator:	YP\AJ
Data file:	FE056678.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.223	6.851	722656	4.222	300	ug/ml
Aliphatic C12-C16	6.852	10.300	1377469	7.706	200	ug/ml
Aliphatic C16-C21	10.301	13.678	1452410	7.787	300	ug/ml
Aliphatic C21-C28	13.679	17.350	1897899	9.846	400	ug/ml
Aliphatic C28-C40	17.351	22.302	15552710	97.623	600	ug/ml
Aliphatic EPH	3.223	22.302	21003144	127.184		ug/ml
ortho-Terphenyl (SURR)	11.973	11.973	8355145	39.99		ug/ml
1-chlorooctadecane (SURR)	13.412	13.412	6914685	42.92		ug/ml
Aliphatic C9-C28	3.223	17.350	5450434	29.561	1200	ug/ml