

Report of Analysis

Client:	PSEG	Date Collected:	10/20/25
Project:	Ridgefield OH Row Bridge	Date Received:	10/20/25
Client Sample ID:	41-LB-E2	SDG No.:	Q3402
Lab Sample ID:	Q3402-08	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	46.2
Sample Wt/Vol:	30.02 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/21/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	11.5		1	2.55	4.33	mg/kg	FC069997.D	10/22/25 12:29	PB170181
Aliphatic C9-C28	Aliphatic C9-C28	12.3		1	1.97	8.64	mg/kg	FC069997.D	10/22/25 12:29	PB170181
Total AliphaticEPH	Total AliphaticEPH	23.8			4.52	13.0	mg/kg			
Total EPH	Total EPH	23.8			4.52	13.0	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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		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	12.3	1		1.97	8.64	mg/kg	10/22/25	PB170181
Aliphatic C28-C40	Aliphatic C28-C40	11.5	1		2.55	4.33	mg/kg	10/22/25	PB170181
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	44.1			40 - 140	88%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	54.5			40 - 140	109%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3402-08	Acq On:	22 Oct 2025 12:29
Client Sample ID:	41-LB-E2	Operator:	YP/AJ
Data file:	FC069997.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.282	6.576	387180	2.674	300	ug/ml
Aliphatic C12-C16	6.577	9.978	756909	4.621	200	ug/ml
Aliphatic C16-C21	9.979	13.346	10668834	65.879	300	ug/ml
Aliphatic C21-C28	13.347	17.011	1825374	12.405	400	ug/ml
Aliphatic C28-C40	17.012	21.970	8608817	80.008	600	ug/ml
Aliphatic EPH	3.282	21.970	22247114	165.588		ug/ml
ortho-Terphenyl (SURR)	11.649	11.649	9571580	54.51		ug/ml
1-chlorooctadecane (SURR)	13.082	13.082	5991537	44.14		ug/ml
Aliphatic C9-C28	3.282	17.011	13638297	85.579	1200	ug/ml