

Report of Analysis

Client:	PSEG	Date Collected:	10/20/25
Project:	Ridgefield OH Row Bridge	Date Received:	10/20/25
Client Sample ID:	41-RB	SDG No.:	Q3402
Lab Sample ID:	Q3402-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	54.3
Sample Wt/Vol:	30.04 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	6.32		1	2.17	3.68	mg/kg	FG016821.D	10/22/25 11:30	PB170181
Aliphatic C9-C28	Aliphatic C9-C28	2.08	J	1	1.67	7.36	mg/kg	FG016821.D	10/22/25 11:30	PB170181
Total AliphaticEPH	Total AliphaticEPH	8.40	J		3.84	11.0	mg/kg			
Total EPH	Total EPH	8.40	J		3.84	11.0	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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TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	2.08	J	1	1.67	7.36	mg/kg	10/22/25	PB170181
Aliphatic C28-C40	Aliphatic C28-C40	6.32		1	2.17	3.68	mg/kg	10/22/25	PB170181
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	20.5			40 - 140	41%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	28.1			40 - 140	56%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3402-10	Acq On:	22 Oct 2025 11:30
Client Sample ID:	41-RB	Operator:	YP\AJ
Data file:	FG016821.D	Misc:	
Instrument:	FID_G	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.266	6.908	366994	2.909	300	ug/ml
Aliphatic C12-C16	6.909	10.366	836625	6.447	200	ug/ml
Aliphatic C16-C21	10.367	13.755	1066520	7.605	300	ug/ml
Aliphatic C21-C28	13.756	17.442	1021677	6.969	400	ug/ml
Aliphatic C28-C40	17.443	22.472	5947394	51.514	600	ug/ml
Aliphatic EPH	3.266	22.472	9239210	75.443		ug/ml
ortho-Terphenyl (SURR)	12.044	12.044	4391774	28.12		ug/ml
1-chlorooctadecane (SURR)	13.488	13.488	2511180	20.53		ug/ml
Aliphatic C9-C28	3.266	17.442	3291816	23.93	1200	ug/ml