

Report of Analysis

Client:	PSEG	Date Collected:	10/20/25
Project:	Ridgefield OH Row Bridge	Date Received:	10/20/25
Client Sample ID:	41-RA	SDG No.:	Q3402
Lab Sample ID:	Q3402-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	60.1
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	3.33	U	1	1.96	3.33	mg/kg	FE056439.D	10/22/25 12:12	PB170181
Aliphatic C9-C28	Aliphatic C9-C28	6.65	U	1	1.51	6.65	mg/kg	FE056439.D	10/22/25 12:12	PB170181
Total AliphaticEPH	Total AliphaticEPH	9.98	U		3.47	9.98	mg/kg			
Total EPH	Total EPH	9.98	U		3.47	9.98	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	0.000	U	1	1.51	6.65	mg/kg	10/22/25	PB170181
Aliphatic C28-C40	Aliphatic C28-C40	3.33	U	1	1.96	3.33	mg/kg	10/22/25	PB170181
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	45.9			40 - 140	92%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	61.0			40 - 140	122%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3402-04	Acq On:	22 Oct 2025 12:12
Client Sample ID:	41-RA	Operator:	YP\AJ
Data file:	FE056439.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.296	6.923	73526	0.445	300	ug/ml
Aliphatic C12-C16	6.924	10.374	242777	1.424	200	ug/ml
Aliphatic C16-C21	10.375	13.753	0	0	300	ug/ml
Aliphatic C21-C28	13.754	17.425	149272	0.834	400	ug/ml
Aliphatic C28-C40	17.426	22.420	626185	4.511	600	ug/ml
Aliphatic EPH	3.296	22.420	1091760	7.214		ug/ml
ortho-Terphenyl (SURR)	12.055	12.055	12460733	60.99		ug/ml
1-chlorooctadecane (SURR)	13.490	13.490	6996781	45.86		ug/ml
Aliphatic C9-C28	3.296	17.425	465575	2.703	1200	ug/ml