

Report of Analysis

Client:	PSEG	Date Collected:	10/22/25
Project:	Washington St- Bay St OP	Date Received:	10/23/25
Client Sample ID:	JB-2	SDG No.:	Q3440
Lab Sample ID:	Q3440-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.7
Sample Wt/Vol:	30.09 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/24/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	33.2		1	1.44	2.44	mg/kg	FE056499.D	10/24/25 19:00	PB170247
Aliphatic C9-C28	Aliphatic C9-C28	36.1		1	1.11	4.88	mg/kg	FE056499.D	10/24/25 19:00	PB170247
Total AliphaticEPH	Total AliphaticEPH	69.3			2.55	7.32	mg/kg			
Total EPH	Total EPH	69.3			2.55	7.32	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	36.1	1		1.11	4.88	mg/kg	10/24/25	PB170247
Aliphatic C28-C40	Aliphatic C28-C40	33.2	1		1.44	2.44	mg/kg	10/24/25	PB170247
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	24.7			40 - 140	49%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	22.6			40 - 140	45%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3440-01	Acq On:	24 Oct 2025 19:00
Client Sample ID:	JB-2	Operator:	YP\AJ
Data file:	FE056499.D	Misc:	
Instrument:	FID_E	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.257	6.883	2345206	14.207	300	ug/ml
Aliphatic C12-C16	6.884	10.332	2563338	15.03	200	ug/ml
Aliphatic C16-C21	10.333	13.709	8047500	45.049	300	ug/ml
Aliphatic C21-C28	13.710	17.379	66198860	369.642	400	ug/ml
Aliphatic C28-C40	17.380	22.345	56707065	408.544	600	ug/ml
Aliphatic EPH	3.257	22.345	135861969	852.472		ug/ml
ortho-Terphenyl (SURR)	11.995	11.995	4607395	22.55		ug/ml
1-chlorooctadecane (SURR)	13.435	13.435	3763830	24.67		ug/ml
Aliphatic C9-C28	3.257	17.379	79154904	443.928	1200	ug/ml