

Report of Analysis

Client:	PSEG	Date Collected:	10/24/25
Project:	Washington St- Bay St OP	Date Received:	10/24/25
Client Sample ID:	JB-1	SDG No.:	Q3452
Lab Sample ID:	Q3452-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	71.5
Sample Wt/Vol:	30.04 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/28/25

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	1.65	2.79	mg/kg	FE056536.D	10/28/25 13:24	PB170266
Aliphatic C9-C28	Aliphatic C9-C28	102		1	1.27	5.59	mg/kg	FE056536.D	10/28/25 13:24	PB170266
Total AliphaticEPH	Total AliphaticEPH	113			2.92	8.38	mg/kg			
Total EPH	Total EPH	113			2.92	8.38	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	102	1		1.27	5.59	mg/kg	10/28/25	PB170266
Aliphatic C28-C40	Aliphatic C28-C40	11.5	1		1.65	2.79	mg/kg	10/28/25	PB170266
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	30.5			40 - 140	61%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	27.0			40 - 140	54%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3452-01	Acq On:	28 Oct 2025 13:24
Client Sample ID:	JB-1	Operator:	YP\AJ
Data file:	FE056536.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.240	6.866	2110699	12.786	300	ug/ml
Aliphatic C12-C16	6.867	10.314	21625764	126.803	200	ug/ml
Aliphatic C16-C21	10.315	13.690	105841389	592.491	300	ug/ml
Aliphatic C21-C28	13.691	17.361	64622819	360.841	400	ug/ml
Aliphatic C28-C40	17.362	22.315	17189244	123.839	600	ug/ml
Aliphatic EPH	3.240	22.315	211389915	1220		ug/ml
ortho-Terphenyl (SURR)	11.988	11.988	5516292	27		ug/ml
1-chlorooctadecane (SURR)	13.427	13.427	4649193	30.47		ug/ml
Aliphatic C9-C28	3.240	17.361	194200671	1090	1200	ug/ml