

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-EPH	SDG No.:	Q3452
Lab Sample ID:	Q3452-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	74.1
Sample Wt/Vol:	30.08 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	9.68		1	1.59	2.69	mg/kg	FE056537.D	10/28/25 13:54	PB170266
Aliphatic C9-C28	Aliphatic C9-C28	9.80		1	1.22	5.39	mg/kg	FE056537.D	10/28/25 13:54	PB170266
Total AliphaticEPH	Total AliphaticEPH	19.5			2.81	8.08	mg/kg			
Total EPH	Total EPH	19.5			2.81	8.08	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	9.80	1		1.22	5.39	mg/kg	10/28/25	PB170266
Aliphatic C28-C40	Aliphatic C28-C40	9.68	1		1.59	2.69	mg/kg	10/28/25	PB170266
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	23.4			40 - 140	47%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	21.3			40 - 140	43%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3452-02	Acq On:	28 Oct 2025 13:54
Client Sample ID:	JB-1-EPH	Operator:	YP\AJ
Data file:	FE056537.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.240	6.866	668258	4.048	300	ug/ml
Aliphatic C12-C16	6.867	10.314	2088835	12.248	200	ug/ml
Aliphatic C16-C21	10.315	13.690	6422842	35.955	300	ug/ml
Aliphatic C21-C28	13.691	17.361	10191622	56.908	400	ug/ml
Aliphatic C28-C40	17.362	22.315	14975785	107.893	600	ug/ml
Aliphatic EPH	3.240	22.315	34347342	217.051		ug/ml
ortho-Terphenyl (SURR)	11.983	11.983	4344562	21.27		ug/ml
1-chlorooctadecane (SURR)	13.423	13.423	3568393	23.39		ug/ml
Aliphatic C9-C28	3.240	17.361	19371557	109.159	1200	ug/ml