

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	PSEG Onyx- STL	Date Received:	
Client Sample ID:	PB170169BS	SDG No.:	Q3374
Lab Sample ID:	PB170169BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/20/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
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TARGETS

Total AliphaticEPH	Total AliphaticEPH	96.4			2.09	5.99	mg/kg			
Total EPH	Total EPH	96.4			2.09	5.99	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	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	24.8		1	1.18	2.00	mg/kg	FF016570.D	10/20/25 16:14	PB170169
Aliphatic C9-C28	Aliphatic C9-C28	71.6		1	0.91	3.99	mg/kg	FF016570.D	10/20/25 16:14	PB170169
Total AliphaticEPH	Total AliphaticEPH	96.4			2.09	5.99	mg/kg			
Total EPH	Total EPH	96.4			2.09	5.99	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.

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Lab Sample ID:	PB170169BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol:	2000 uL
Prep Method :		Prep Date	10/20/25
		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	71.6	1		0.91	3.99	mg/kg	10/20/25	PB170169
Aliphatic C28-C40	Aliphatic C28-C40	24.8	1		1.18	2.00	mg/kg	10/20/25	PB170169
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	29.9			40 - 140	60%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	30.1			40 - 140	60%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170169BS	Acq On:	20 Oct 2025 16:14
Client Sample ID:	PB170169BS	Operator:	YP\AJ
Data file:	FF016570.D	Misc:	
Instrument:	FID_F	ALS Vial:	72
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.220	6.761	24679137	206.534	300	ug/ml
Aliphatic C12-C16	6.762	10.304	31838293	256.151	200	ug/ml
Aliphatic C16-C21	10.305	13.679	36565791	280.419	300	ug/ml
Aliphatic C21-C28	13.680	17.353	44225400	330.874	400	ug/ml
Aliphatic C28-C40	17.354	22.324	40286355	371.766	600	ug/ml
Aliphatic EPH	3.220	22.324	177594976	1450		ug/ml
ortho-Terphenyl (SURR)	11.971	11.971	4350625	30.08		ug/ml
1-chlorooctadecane (SURR)	13.412	13.412	3329818	29.85		ug/ml
Aliphatic C9-C28	3.220	17.353	137308621	1070	1200	ug/ml