

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	PSEG Onyx- STL	Date Received:	
Client Sample ID:	TP-5-WCMS	SDG No.:	Q3374
Lab Sample ID:	Q3374-05MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.1
Sample Wt/Vol:	30.07 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	68.3			2.23	6.42	mg/kg			
Total EPH	Total EPH	68.3			2.23	6.42	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	46.7	1		0.98	4.28	mg/kg	10/20/25	PB170169
Aliphatic C28-C40	Aliphatic C28-C40	21.6	1		1.26	2.14	mg/kg	10/20/25	PB170169
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	21.9			40 - 140	44%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	22.4			40 - 140	45%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3374-05MS	Acq On:	20 Oct 2025 18:42
Client Sample ID:	Q3374-05MS	Operator:	YP\AJ
Data file:	FF016575.D	Misc:	
Instrument:	FID_F	ALS Vial:	76
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.220	6.761	15212064	127.306	300	ug/ml
Aliphatic C12-C16	6.762	10.304	19524778	157.084	200	ug/ml
Aliphatic C16-C21	10.305	13.679	22093004	169.429	300	ug/ml
Aliphatic C21-C28	13.680	17.353	26832975	200.752	400	ug/ml
Aliphatic C28-C40	17.354	22.324	32695736	301.719	600	ug/ml
Aliphatic EPH	3.220	22.324	116358557	956.29		ug/ml
ortho-Terphenyl (SURR)	11.968	11.968	3238208	22.39		ug/ml
1-chlorooctadecane (SURR)	13.409	13.409	2444319	21.91		ug/ml
Aliphatic C9-C28	3.220	17.353	83662821	654.571	1200	ug/ml