

Report of Analysis

Client:	PSEG	Date Collected:	10/16/25
Project:	PSEG Onyx- STL	Date Received:	10/17/25
Client Sample ID:	TP-4-EPH	SDG No.:	Q3374
Lab Sample ID:	Q3374-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.6
Sample Wt/Vol:	30.08 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
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	4.54		1	1.24	2.11	mg/kg	FE056388.D	10/20/25 15:47	PB170169
Aliphatic C9-C28	Aliphatic C9-C28	0.99	J	1	0.96	4.21	mg/kg	FE056388.D	10/20/25 15:47	PB170169
Total AliphaticEPH	Total AliphaticEPH	5.53	J		2.20	6.32	mg/kg			
Total EPH	Total EPH	5.53	J		2.20	6.32	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	0.99	J	1	0.96	4.21	mg/kg	10/20/25	PB170169
Aliphatic C28-C40	Aliphatic C28-C40	4.54		1	1.24	2.11	mg/kg	10/20/25	PB170169
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	32.2			40 - 140	64%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	31.0			40 - 140	62%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3374-02	Acq On:	20 Oct 2025 15:47
Client Sample ID:	TP-4-WC-EPH	Operator:	YP\AJ
Data file:	FE056388.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	3.300	6.926	995334	6.029	300	ug/ml
Aliphatic C12-C16	6.927	10.378	753480	4.418	200	ug/ml
Aliphatic C16-C21	10.379	13.756	657251	3.679	300	ug/ml
Aliphatic C21-C28	13.757	17.428	1388089	7.751	400	ug/ml
Aliphatic C28-C40	17.429	22.423	8966930	64.602	600	ug/ml
Aliphatic EPH	3.300	22.423	12761084	86.48		ug/ml
ortho-Terphenyl (SURR)	12.054	12.054	6337202	31.02		ug/ml
1-chlorooctadecane (SURR)	13.491	13.491	4914373	32.21		ug/ml
Aliphatic C9-C28	3.300	17.428	3794154	21.877	1200	ug/ml