

Report of Analysis

Client:	PSEG	Date Collected:	10/18/25
Project:	PSEG Onyx- STL	Date Received:	10/20/25
Client Sample ID:	TP-7-EPH	SDG No.:	Q3397
Lab Sample ID:	Q3397-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.8
Sample Wt/Vol:	30.01 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/21/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	6.47		1	1.39	2.36	mg/kg	FE056420.D	10/21/25 17:51	PB170181
Aliphatic C9-C28	Aliphatic C9-C28	4.72	U	1	1.07	4.72	mg/kg	FE056420.D	10/21/25 17:51	PB170181
Total AliphaticEPH	Total AliphaticEPH	6.47	J		2.46	7.08	mg/kg			
Total EPH	Total EPH	6.47	J		2.46	7.08	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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		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	0.000	U	1	1.07	4.72	mg/kg	10/21/25	PB170181
Aliphatic C28-C40	Aliphatic C28-C40	6.47		1	1.39	2.36	mg/kg	10/21/25	PB170181
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	20.9			40 - 140	42%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	20.7			40 - 140	41%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3397-02	Acq On:	21 Oct 2025 17:51
Client Sample ID:	TP-7-EPH	Operator:	YP\AJ
Data file:	FE056420.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.297	6.924	508204	3.079	300	ug/ml
Aliphatic C12-C16	6.925	10.375	1062190	6.228	200	ug/ml
Aliphatic C16-C21	10.376	13.754	673598	3.771	300	ug/ml
Aliphatic C21-C28	13.755	17.426	568561	3.175	400	ug/ml
Aliphatic C28-C40	17.427	22.419	11421482	82.286	600	ug/ml
Aliphatic EPH	3.297	22.419	14234035	98.538		ug/ml
ortho-Terphenyl (SURR)	12.050	12.050	4233985	20.73		ug/ml
1-chlorooctadecane (SURR)	13.488	13.488	3196270	20.95		ug/ml
Aliphatic C9-C28	3.297	17.426	2812553	16.253	1200	ug/ml