

Report of Analysis

Client:	PSEG	Date Collected:	10/20/25
Project:	PSEG Onyx- STL	Date Received:	10/21/25
Client Sample ID:	TP-6-EPH	SDG No.:	Q3412
Lab Sample ID:	Q3412-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.7
Sample Wt/Vol:	30.09 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/22/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	189		10	13.3	22.5	mg/kg	FE056486.D	10/24/25 11:52	PB170207
Aliphatic C9-C28	Aliphatic C9-C28	39.1		1	1.02	4.49	mg/kg	FE056473.D	10/23/25 20:20	PB170207
Total AliphaticEPH	Total AliphaticEPH	228			14.3	27.0	mg/kg			
Total EPH	Total EPH	228			14.3	27.0	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	39.1	1		1.02	4.49	mg/kg	10/23/25	PB170207
Aliphatic C28-C40	Aliphatic C28-C40	197	E 1		1.33	2.25	mg/kg	10/23/25	PB170207
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	37.9			40 - 140	76%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	25.3			40 - 140	51%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3412-02	Acq On:	23 Oct 2025 20:20
Client Sample ID:	TP-6-EPH	Operator:	YP\AJ
Data file:	FE056473.D	Misc:	
Instrument:	FID_E	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.294	6.921	10549723	63.908	300	ug/ml
Aliphatic C12-C16	6.922	10.373	5124607	30.048	200	ug/ml
Aliphatic C16-C21	10.374	13.751	33774415	189.066	300	ug/ml
Aliphatic C21-C28	13.752	17.422	42859336	239.318	400	ug/ml
Aliphatic C28-C40	17.423	22.413	365649250	2630	600	ug/ml
Aliphatic EPH	3.294	22.413	457957331	3160		ug/ml
ortho-Terphenyl (SURR)	12.043	12.043	5163449	25.27		ug/ml
1-chlorooctadecane (SURR)	13.480	13.480	5775062	37.85		ug/ml
Aliphatic C9-C28	3.294	17.422	92308081	522.34	1200	ug/ml