

Report of Analysis

Client:	PSEG	Date Collected:	10/14/25
Project:	PSEG Onyx- STL	Date Received:	10/14/25
Client Sample ID:	WCS-TP1-EPH	SDG No.:	Q3348
Lab Sample ID:	Q3348-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.4
Sample Wt/Vol:	30.08 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/16/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	5.91		1	1.33	2.26	mg/kg	FG016784.D	10/16/25 14:29	PB170121
Aliphatic C9-C28	Aliphatic C9-C28	2.57	J	1	1.03	4.51	mg/kg	FG016784.D	10/16/25 14:29	PB170121
Total AliphaticEPH	Total AliphaticEPH	8.48			2.36	6.77	mg/kg			
Total EPH	Total EPH	8.48			2.36	6.77	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	2.57	J	1	1.03	4.51	mg/kg	10/16/25	PB170121
Aliphatic C28-C40	Aliphatic C28-C40	5.91		1	1.33	2.26	mg/kg	10/16/25	PB170121
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	30.1			40 - 140	60%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	30.4			40 - 140	61%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3348-02	Acq On:	16 Oct 2025 14:29
Client Sample ID:	WCS-TP1-EPH	Operator:	YP\AJ
Data file:	FG016784.D	Misc:	
Instrument:	FID_G	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.273	6.915	490552	3.888	300	ug/ml
Aliphatic C12-C16	6.916	10.373	1065344	8.209	200	ug/ml
Aliphatic C16-C21	10.374	13.764	1376984	9.818	300	ug/ml
Aliphatic C21-C28	13.765	17.450	1798803	12.27	400	ug/ml
Aliphatic C28-C40	17.451	22.484	9072503	78.583	600	ug/ml
Aliphatic EPH	3.273	22.484	13804186	112.768		ug/ml
ortho-Terphenyl (SURR)	12.051	12.051	4747827	30.4		ug/ml
1-chlorooctadecane (SURR)	13.497	13.497	3677428	30.07		ug/ml
Aliphatic C9-C28	3.273	17.450	4731683	34.185	1200	ug/ml