

Report of Analysis

Client:	PSEG	Date Collected:	10/14/25
Project:	PSEG Onyx- STL	Date Received:	10/14/25
Client Sample ID:	WCS-TP1	SDG No.:	Q3348
Lab Sample ID:	Q3348-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90
Sample Wt/Vol:	30.04 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	5.68		1	1.31	2.22	mg/kg	FG016783.D	10/16/25 14:00	PB170121
Aliphatic C9-C28	Aliphatic C9-C28	2.30	J	1	1.01	4.44	mg/kg	FG016783.D	10/16/25 14:00	PB170121
Total AliphaticEPH	Total AliphaticEPH	7.98			2.32	6.66	mg/kg			
Total EPH	Total EPH	7.98			2.32	6.66	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	2.30	J	1	1.01	4.44	mg/kg	10/16/25	PB170121
Aliphatic C28-C40	Aliphatic C28-C40	5.68		1	1.31	2.22	mg/kg	10/16/25	PB170121
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	25.9			40 - 140	52%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	27.9			40 - 140	56%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3348-01	Acq On:	16 Oct 2025 14:00
Client Sample ID:	WCS-TP1	Operator:	YP\AJ
Data file:	FG016783.D	Misc:	
Instrument:	FID_G	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.273	6.915	374553	2.969	300	ug/ml
Aliphatic C12-C16	6.916	10.373	1001521	7.717	200	ug/ml
Aliphatic C16-C21	10.374	13.764	1144945	8.164	300	ug/ml
Aliphatic C21-C28	13.765	17.450	1791920	12.223	400	ug/ml
Aliphatic C28-C40	17.451	22.484	8863393	76.771	600	ug/ml
Aliphatic EPH	3.273	22.484	13176332	107.845		ug/ml
ortho-Terphenyl (SURR)	12.053	12.053	4357890	27.91		ug/ml
1-chlorooctadecane (SURR)	13.499	13.499	3172143	25.94		ug/ml
Aliphatic C9-C28	3.273	17.450	4312939	31.073	1200	ug/ml