

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	PSEG Onyx- STL	Date Received:	
Client Sample ID:	TP-12MSD	SDG No.:	Q3451
Lab Sample ID:	Q3451-05MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.1
Sample Wt/Vol:	30.09 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/27/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
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TARGETS

Total AliphaticEPH	Total AliphaticEPH	91.1			2.34	6.72	mg/kg			
Total EPH	Total EPH	91.1			2.34	6.72	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	60.8	1		1.02	4.48	mg/kg	10/27/25	PB170258
Aliphatic C28-C40	Aliphatic C28-C40	30.3	1		1.32	2.24	mg/kg	10/27/25	PB170258
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	31.1			40 - 140	62%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	29.1			40 - 140	58%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3451-05MSD	Acq On:	27 Oct 2025 18:20
Client Sample ID:	Q3451-05MSD	Operator:	YP/AJ
Data file:	FC070053.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.280	6.575	18265062	126.153	300	ug/ml
Aliphatic C12-C16	6.576	9.977	30785192	187.964	200	ug/ml
Aliphatic C16-C21	9.978	13.344	36046089	222.582	300	ug/ml
Aliphatic C21-C28	13.345	17.008	41061961	279.063	400	ug/ml
Aliphatic C28-C40	17.009	21.965	43670528	405.861	600	ug/ml
Aliphatic EPH	3.280	21.965	169828832	1220		ug/ml
ortho-Terphenyl (SURR)	11.643	11.643	5119313	29.15		ug/ml
1-chlorooctadecane (SURR)	13.078	13.078	4221780	31.1		ug/ml
Aliphatic C9-C28	3.280	17.008	126158304	815.762	1200	ug/ml