

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	PSEG Onyx- STL	Date Received:	
Client Sample ID:	TP-13MS	SDG No.:	Q3469
Lab Sample ID:	Q3469-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.1
Sample Wt/Vol:	30.03 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/28/25

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

Total AliphaticEPH	Total AliphaticEPH	88.7			2.29	6.58	mg/kg			
Total EPH	Total EPH	88.7			2.29	6.58	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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		Prep Date	10/28/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	61.2	1		1.00	4.39	mg/kg	10/28/25	PB170266
Aliphatic C28-C40	Aliphatic C28-C40	27.5	1		1.29	2.19	mg/kg	10/28/25	PB170266
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	30.2			40 - 140	60%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	28.2			40 - 140	56%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3469-01MS	Acq On:	28 Oct 2025 16:39
Client Sample ID:	Q3469-01MS	Operator:	YP/AJ
Data file:	FC070065.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.277	6.572	20253426	139.886	300	ug/ml
Aliphatic C12-C16	6.573	9.973	31495479	192.301	200	ug/ml
Aliphatic C16-C21	9.974	13.340	36192526	223.486	300	ug/ml
Aliphatic C21-C28	13.341	17.005	41412790	281.447	400	ug/ml
Aliphatic C28-C40	17.006	21.959	40417941	375.632	600	ug/ml
Aliphatic EPH	3.277	21.959	169772162	1210		ug/ml
ortho-Terphenyl (SURR)	11.641	11.641	4959543	28.24		ug/ml
1-chlorooctadecane (SURR)	13.076	13.076	4099935	30.2		ug/ml
Aliphatic C9-C28	3.277	17.005	129354221	837.12	1200	ug/ml