

Report of Analysis

Client:	PSEG	Date Collected:	12/01/25
Project:	PSEG- EAST ORANGE GAS	Date Received:	12/01/25
Client Sample ID:	FENCE WC-2-EPH	SDG No.:	Q3750
Lab Sample ID:	Q3750-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.6
Sample Wt/Vol:	30.07 g	Test:	EPH_NF
Prep Method :	Final Vol: 2000 uL Prep Date : 12/02/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	22.3		1	1.36	2.30	mg/kg	FE057147.D	12/03/25 4:30	PB170789
Aliphatic C9-C28	Aliphatic C9-C28	5.13		1	1.05	4.61	mg/kg	FE057147.D	12/03/25 4:30	PB170789
Total AliphaticEPH	Total AliphaticEPH	27.4			2.41	6.91	mg/kg			
Total EPH	Total EPH	27.4			2.41	6.91	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	12/02/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	5.13	1		1.05	4.61	mg/kg	12/03/25	PB170789
Aliphatic C28-C40	Aliphatic C28-C40	22.3	1		1.36	2.30	mg/kg	12/03/25	PB170789
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	20.0			40 - 140	40%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	22.3			40 - 140	45%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3750-05	Acq On:	03 Dec 2025 04:30
Client Sample ID:	FENCE WC-2-EPH	Operator:	YP\AJ
Data file:	FE057147.D	Misc:	
Instrument:	FID_E	ALS Vial:	35
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.199	6.825	481827	2.401	300	ug/ml
Aliphatic C12-C16	6.826	10.272	1707937	8.406	200	ug/ml
Aliphatic C16-C21	10.273	13.646	4154874	20.951	300	ug/ml
Aliphatic C21-C28	13.647	17.317	6962223	35.031	400	ug/ml
Aliphatic C28-C40	17.318	22.251	58099676	290.644	600	ug/ml
Aliphatic EPH	3.199	22.251	71406537	357.433		ug/ml
ortho-Terphenyl (SURR)	11.936	11.936	4889061	22.28		ug/ml
1-chlorooctadecane (SURR)	13.374	13.374	3324710	19.98		ug/ml
Aliphatic C9-C28	3.199	17.317	13306861	66.789	1200	ug/ml