

Report of Analysis

Client:	PSEG	Date Collected:	11/21/25
Project:	PSEG Orange Gas	Date Received:	11/21/25
Client Sample ID:	WELD-SHOP-EXCAVATION	SDG No.:	Q3710
Lab Sample ID:	Q3710-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.7
Sample Wt/Vol:	30.08 g	Test:	EPH_NF
Prep Method :	Final Vol: 2000 uL Prep Date : 11/24/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	27.6		1	1.28	2.18	mg/kg	FE057010.D	11/24/25 20:44	PB170707
Aliphatic C9-C28	Aliphatic C9-C28	19.0		1	0.99	4.36	mg/kg	FE057010.D	11/24/25 20:44	PB170707
Total AliphaticEPH	Total AliphaticEPH	46.6			2.27	6.54	mg/kg			
Total EPH	Total EPH	46.6			2.27	6.54	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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Aliphatic C9-C28	Aliphatic C9-C28	19.0	1		0.99	4.36	mg/kg	11/24/25	PB170707
Aliphatic C28-C40	Aliphatic C28-C40	27.6	1		1.28	2.18	mg/kg	11/24/25	PB170707
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	20.6			40 - 140	41%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	21.9			40 - 140	44%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3710-05	Acq On:	24 Nov 2025 20:44
Client Sample ID:	WELD-SHOP-EXCAVATIC	Operator:	YP\AJ
Data file:	FE057010.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.204	6.829	811827	4.743	300	ug/ml
Aliphatic C12-C16	6.830	10.275	4795737	26.829	200	ug/ml
Aliphatic C16-C21	10.276	13.649	18458452	98.97	300	ug/ml
Aliphatic C21-C28	13.650	17.319	25236712	130.919	400	ug/ml
Aliphatic C28-C40	17.320	22.252	60657034	380.737	600	ug/ml
Aliphatic EPH	3.204	22.252	109959762	642.198		ug/ml
ortho-Terphenyl (SURR)	11.942	11.942	4584215	21.94		ug/ml
1-chlorooctadecane (SURR)	13.380	13.380	3315148	20.58		ug/ml
Aliphatic C9-C28	3.204	17.319	49302728	261.461	1200	ug/ml