

Report of Analysis

Client:	PSEG	Date Collected:	10/28/25
Project:	Edison Gas Training Center	Date Received:	10/28/25
Client Sample ID:	RT3449	SDG No.:	Q3480
Lab Sample ID:	Q3480-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.7
Sample Wt/Vol:	30.05 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	10/29/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	5.99		1	1.34	2.28	mg/kg	FE056567.D	10/29/25 15:08	PB170307
Aliphatic C9-C28	Aliphatic C9-C28	2.42	J	1	1.03	4.56	mg/kg	FE056567.D	10/29/25 15:08	PB170307
Total AliphaticEPH	Total AliphaticEPH	8.41			2.38	6.84	mg/kg			
Total EPH	Total EPH	8.41			2.38	6.84	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	2.42	J	1	1.03	4.56	mg/kg	10/29/25	PB170307
Aliphatic C28-C40	Aliphatic C28-C40	5.99		1	1.34	2.28	mg/kg	10/29/25	PB170307
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	33.1			40 - 140	66%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	32.3			40 - 140	64%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3480-01	Acq On:	29 Oct 2025 15:08
Client Sample ID:	RT3449	Operator:	YP\AJ
Data file:	FE056567.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.236	6.863	443107	2.684	300	ug/ml
Aliphatic C12-C16	6.864	10.312	1322061	7.752	200	ug/ml
Aliphatic C16-C21	10.313	13.688	1005416	5.628	300	ug/ml
Aliphatic C21-C28	13.689	17.359	2841686	15.867	400	ug/ml
Aliphatic C28-C40	17.360	22.313	10956256	78.934	600	ug/ml
Aliphatic EPH	3.236	22.313	16568526	110.866		ug/ml
ortho-Terphenyl (SURR)	11.981	11.981	6587671	32.25		ug/ml
1-chlorooctadecane (SURR)	13.421	13.421	5045007	33.06		ug/ml
Aliphatic C9-C28	3.236	17.359	5612270	31.931	1200	ug/ml