

Report of Analysis

Client:	PSEG	Date Collected:	11/26/25
Project:	Summit Gas and Appliance Service (SU)	Date Received:	11/26/25
Client Sample ID:	SU-04-11-26-2025-E2	SDG No.:	Q3733
Lab Sample ID:	Q3733-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.1
Sample Wt/Vol:	30.01 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	12/01/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	91.7		5	6.62	11.2	mg/kg	FE057120.D	12/02/25 9:31	PB170764
Aliphatic C9-C28	Aliphatic C9-C28	12.2		1	1.02	4.49	mg/kg	FE057112.D	12/01/25 22:39	PB170764
Total AliphaticEPH	Total AliphaticEPH	104			7.64	15.7	mg/kg			
Total EPH	Total EPH	104			7.64	15.7	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	12.2	1		1.02	4.49	mg/kg	12/01/25	PB170764
Aliphatic C28-C40	Aliphatic C28-C40	83.1	E 1		1.32	2.24	mg/kg	12/01/25	PB170764
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	19.2			40 - 140	38%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	21.8			40 - 140	44%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3733-02	Acq On:	01 Dec 2025 22:39
Client Sample ID:	SU-04-11-26-2025-E2	Operator:	YP\AJ
Data file:	FE057112.D	Misc:	
Instrument:	FID_E	ALS Vial:	30
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.201	6.825	2349107	11.707	300	ug/ml
Aliphatic C12-C16	6.826	10.270	11138905	54.824	200	ug/ml
Aliphatic C16-C21	10.271	13.644	8841060	44.581	300	ug/ml
Aliphatic C21-C28	13.645	17.313	10402207	52.339	400	ug/ml
Aliphatic C28-C40	17.314	22.242	221963591	1110	600	ug/ml
Aliphatic EPH	3.201	22.242	254694870	1270		ug/ml
ortho-Terphenyl (SURR)	11.941	11.941	4780102	21.78		ug/ml
1-chlorooctadecane (SURR)	13.379	13.379	3194576	19.2		ug/ml
Aliphatic C9-C28	3.201	17.313	32731279	163.451	1200	ug/ml