

Report of Analysis

Client:	PSEG	Date Collected:	11/14/25
Project:	Summit Gas and Appliance Service (SU)	Date Received:	11/14/25
Client Sample ID:	SU-03-11142025-E2	SDG No.:	Q3646
Lab Sample ID:	Q3646-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.4
Sample Wt/Vol:	30.02 g	Test:	EPH_NF
Prep Method :	Final Vol: 2000 uL Prep Date : 11/17/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	74.2		5	6.45	10.9	mg/kg	FE056905.D	11/18/25 16:36	PB170578
Aliphatic C9-C28	Aliphatic C9-C28	9.13		1	0.99	4.37	mg/kg	FE056882.D	11/17/25 20:41	PB170578
Total AliphaticEPH	Total AliphaticEPH	83.3			7.44	15.3	mg/kg			
Total EPH	Total EPH	83.3			7.44	15.3	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	11/17/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	9.13		1	0.99	4.37	mg/kg	11/17/25	PB170578
Aliphatic C28-C40	Aliphatic C28-C40	68.4	E	1	1.29	2.19	mg/kg	11/17/25	PB170578
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	26.1			40 - 140	52%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	30.2			40 - 140	60%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3646-02	Acq On:	17 Nov 2025 20:41
Client Sample ID:	SU-03-11142025-E2	Operator:	YP\AJ
Data file:	FE056882.D	Misc:	
Instrument:	FID_E	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.213	6.836	774889	4.527	300	ug/ml
Aliphatic C12-C16	6.837	10.281	3292783	18.421	200	ug/ml
Aliphatic C16-C21	10.282	13.655	10991159	58.932	300	ug/ml
Aliphatic C21-C28	13.656	17.323	8350505	43.319	400	ug/ml
Aliphatic C28-C40	17.324	22.257	149434596	937.984	600	ug/ml
Aliphatic EPH	3.213	22.257	172843932	1060		ug/ml
ortho-Terphenyl (SURR)	11.951	11.951	6301458	30.16		ug/ml
1-chlorooctadecane (SURR)	13.388	13.388	4202828	26.09		ug/ml
Aliphatic C9-C28	3.213	17.323	23409336	125.199	1200	ug/ml