

Report of Analysis

Client:	PSEG	Date Collected:	10/31/25
Project:	Summit Gas and Appliance Service (SU)	Date Received:	10/31/25
Client Sample ID:	SU-04-103125-E2	SDG No.:	Q3515
Lab Sample ID:	Q3515-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.5
Sample Wt/Vol:	30.08 g	Test:	EPH_NF
Prep Method :		Final Vol:	2000 uL
		Prep Date :	11/03/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	54.2		2	2.79	4.72	mg/kg	FE056655.D	11/04/25 7:49	PB170373
Aliphatic C9-C28	Aliphatic C9-C28	105		2	2.15	9.44	mg/kg	FE056655.D	11/04/25 7:49	PB170373
Total AliphaticEPH	Total AliphaticEPH	159			4.94	14.2	mg/kg			
Total EPH	Total EPH	159			4.94	14.2	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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		Test:	EPH_NF

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	98.0	E	1	1.07	4.72	mg/kg	11/03/25	PB170373
Aliphatic C28-C40	Aliphatic C28-C40	51.4	E	1	1.39	2.36	mg/kg	11/03/25	PB170373
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	30.6			40 - 140	61%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	29.5			40 - 140	59%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3515-02	Acq On:	03 Nov 2025 17:27
Client Sample ID:	SU-04-103125-E2	Operator:	YP\AJ
Data file:	FE056640.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.222	6.847	18073748	105.594	300	ug/ml
Aliphatic C12-C16	6.848	10.294	94491608	528.612	200	ug/ml
Aliphatic C16-C21	10.295	13.669	86740965	465.085	300	ug/ml
Aliphatic C21-C28	13.670	17.339	28185107	146.214	400	ug/ml
Aliphatic C28-C40	17.340	22.280	103972554	652.624	600	ug/ml
Aliphatic EPH	3.222	22.280	331463982	1900		ug/ml
ortho-Terphenyl (SURR)	11.970	11.970	6158121	29.48		ug/ml
1-chlorooctadecane (SURR)	13.408	13.408	4923470	30.56		ug/ml
Aliphatic C9-C28	3.222	17.339	227491428	1250	1200	ug/ml