

Report of Analysis

Client:	PSEG	Date Collected:	08/11/25
Project:	Summit Gas and Appliance Service MA00006789	Date Received:	08/11/25
Client Sample ID:	SU-04-081125-E2	SDG No.:	Q2823
Lab Sample ID:	Q2823-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.9
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/12/25 08:45	08/13/25 10:49	PB169207

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	77.3		2	2.56	4.34	mg/kg	FE055286.D
Aliphatic C9-C28	Aliphatic C9-C28	25.6		1	0.99	4.35	mg/kg	FE055262.D
Total AliphaticEPH	Total AliphaticEPH	103			3.55	8.69	mg/kg	
Total EPH	Total EPH	103			3.55	8.69	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055262.D	1	08/12/25	08/12/25	PB169207

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	25.6		0.99	4.35	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	65.3	E	1.28	2.17	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	45.9		40 - 140	92%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.6		40 - 140	79%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2823-02	Acq On:	12 Aug 2025 17:58
Client Sample ID:	SU-04-081125-E2	Operator:	YP\AJ
Data file:	FE055262.D	Misc:	
Instrument:	FID_E	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.323	6.959	731487	6.264	300	ug/ml
Aliphatic C12-C16	6.960	10.413	5293794	42.274	200	ug/ml
Aliphatic C16-C21	10.414	13.793	21880134	173.096	300	ug/ml
Aliphatic C21-C28	13.794	17.466	15967726	132.506	400	ug/ml
Aliphatic C28-C40	17.467	22.498	102821011	902.04	600	ug/ml
Aliphatic EPH	3.323	22.498	146694152	1260		ug/ml
ortho-Terphenyl (SURR)	12.090	12.090	5662372	39.65		ug/ml
1-chlorooctadecane (SURR)	13.526	13.526	4934959	45.9		ug/ml
Aliphatic C9-C28	3.323	17.466	43873141	354.14	1200	ug/ml