

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	SDG No.:	Q2823
Lab Sample ID:	Q2823-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.3
Sample Wt/Vol:	30.1 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 10:18	PB169207

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	76.6		5	6.30	10.7	mg/kg FE055285.D
Aliphatic C9-C28	Aliphatic C9-C28	103		5	4.86	21.4	mg/kg FE055285.D
Total AliphaticEPH	Total AliphaticEPH	179			11.2	32.1	mg/kg
Total EPH	Total EPH	179			11.2	32.1	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
FE055261.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	97.4	E	0.97	4.27	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	76.7	E	1.26	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	68.7		40 - 140	137%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	49.9		40 - 140	100%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2823-01	Acq On:	12 Aug 2025 17:28
Client Sample ID:	SU-04-081125	Operator:	YP\AJ
Data file:	FE055261.D	Misc:	
Instrument:	FID_E	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.323	6.959	1903936	16.303	300	ug/ml
Aliphatic C12-C16	6.960	10.413	25106923	200.491	200	ug/ml
Aliphatic C16-C21	10.414	13.793	83896513	663.713	300	ug/ml
Aliphatic C21-C28	13.794	17.466	58583161	486.144	400	ug/ml
Aliphatic C28-C40	17.467	22.498	122798426	1080	600	ug/ml
Aliphatic EPH	3.323	22.498	292288959	2440		ug/ml
ortho-Terphenyl (SURR)	12.093	12.093	7130748	49.93		ug/ml
1-chlorooctadecane (SURR)	13.528	13.528	7381039	68.65		ug/ml
Aliphatic C9-C28	3.323	17.466	169490533	1370	1200	ug/ml