

Report of Analysis

Client:	PSEG	Date Collected:	07/22/25
Project:	Summit Gas and Appliance Service MA00006789	Date Received:	07/22/25
Client Sample ID:	SU-03-07222025-E2	SDG No.:	Q2675
Lab Sample ID:	Q2675-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.3
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
07/23/25 11:20	07/23/25 19:25	PB168980

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	10.2		1	1.25	2.12	mg/kg FE054995.D
Aliphatic C9-C28	Aliphatic C9-C28	6.15		1	0.96	4.24	mg/kg FE054995.D
Total AliphaticEPH	Total AliphaticEPH	16.4			2.21	6.36	mg/kg
Total EPH	Total EPH	16.4			2.21	6.36	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 Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054995.D	1	07/23/25	07/23/25	PB168980

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	6.15		0.96	4.24	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	10.2		1.25	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	49.4		40 - 140	99%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	48.6		40 - 140	97%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2675-02	Acq On:	23 Jul 2025 19:25
Client Sample ID:	SU-03-07222025-E2	Operator:	YP\AJ
Data file:	FE054995.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	3.325	6.958	568977	4.182	300	ug/ml
Aliphatic C12-C16	6.959	10.410	933390	6.64	200	ug/ml
Aliphatic C16-C21	10.411	13.488	9052511	62.693	300	ug/ml
Aliphatic C21-C28	13.489	17.459	1991075	13.765	400	ug/ml
Aliphatic C28-C40	17.460	22.481	20028129	144.454	600	ug/ml
Aliphatic EPH	3.325	22.481	32574082	231.734		ug/ml
ortho-Terphenyl (SURR)	12.088	12.088	7895449	48.62		ug/ml
1-chlorooctadecane (SURR)	13.523	13.523	6237393	49.39		ug/ml
Aliphatic C9-C28	3.325	17.459	12545953	87.28	1200	ug/ml