

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	SDG No.:	Q2675
Lab Sample ID:	Q2675-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.8
Sample Wt/Vol:	30.04 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 18:54	PB168980

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	17.9		1	1.27	2.15	mg/kg FE054994.D
Aliphatic C9-C28	Aliphatic C9-C28	10.7		1	0.98	4.31	mg/kg FE054994.D
Total AliphaticEPH	Total AliphaticEPH	28.6			2.25	6.46	mg/kg
Total EPH	Total EPH	28.6			2.25	6.46	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
FE054994.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	10.7		0.98	4.31	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	17.9		1.27	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.8		40 - 140	58%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.4		40 - 140	57%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2675-01	Acq On:	23 Jul 2025 18:54
Client Sample ID:	SU-03-07222025	Operator:	YP\AJ
Data file:	FE054994.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	3.325	6.958	754436	5.545	300	ug/ml
Aliphatic C12-C16	6.959	10.410	6161093	43.83	200	ug/ml
Aliphatic C16-C21	10.411	13.488	9888958	68.486	300	ug/ml
Aliphatic C21-C28	13.489	17.459	4535970	31.358	400	ug/ml
Aliphatic C28-C40	17.460	22.481	34520607	248.981	600	ug/ml
Aliphatic EPH	3.325	22.481	55861064	398.2		ug/ml
ortho-Terphenyl (SURR)	12.087	12.087	4603913	28.35		ug/ml
1-chlorooctadecane (SURR)	13.522	13.522	3641202	28.83		ug/ml
Aliphatic C9-C28	3.325	17.459	21340457	149.219	1200	ug/ml