

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Summit Gas and Appliance Service MA00006789	Date Received:	
Client Sample ID:	SU-03-08262025MS	SDG No.:	Q2960
Lab Sample ID:	Q2960-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.9
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/28/25 08:55	08/28/25 23:59	PB169432

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	151	E	1	1.27	2.15	mg/kg	FC069781.D
Aliphatic C9-C28	Aliphatic C9-C28	99.2	E	1	0.98	4.31	mg/kg	FC069781.D
Total AliphaticEPH	Total AliphaticEPH	250			2.25	6.46	mg/kg	
Total EPH	Total EPH	250			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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069781.D	1	08/28/25	08/28/25	PB169432

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	99.2	E	0.98	4.31	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	151	E	1.27	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.3		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.1		40 - 140	68%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2960-01MS	Acq On:	28 Aug 2025 23:59
Client Sample ID:	Q2960-01MS	Operator:	YP/AJ
Data file:	FC069781.D	Misc:	
Instrument:	FID_C	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.295	6.591	24887362	196.003	300	ug/ml
Aliphatic C12-C16	6.592	9.993	36895207	287.48	200	ug/ml
Aliphatic C16-C21	9.994	13.361	46526914	395.105	300	ug/ml
Aliphatic C21-C28	13.362	17.027	51772884	504.481	400	ug/ml
Aliphatic C28-C40	17.028	21.995	171638237	2110	600	ug/ml
Aliphatic EPH	3.295	21.995	331720604	3490		ug/ml
ortho-Terphenyl (SURR)	11.666	11.666	4413849	34.09		ug/ml
1-chlorooctadecane (SURR)	13.102	13.102	3666692	38.32		ug/ml
Aliphatic C9-C28	3.295	17.027	160082367	1380	1200	ug/ml