

Report of Analysis

Client:	PSEG	Date Collected:	08/26/25
Project:	Summit Gas and Appliance Service MA00006789	Date Received:	08/26/25
Client Sample ID:	SU-03-08262025	SDG No.:	Q2960
Lab Sample ID:	Q2960-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.9
Sample Wt/Vol:	30.06 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	08/29/25 9:13	PB169432

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	96.0		5	6.34	10.7	mg/kg FC069790.D
Aliphatic C9-C28	Aliphatic C9-C28	18.6		1	0.98	4.29	mg/kg FC069779.D
Total AliphaticEPH	Total AliphaticEPH	115			7.32	15.0	mg/kg
Total EPH	Total EPH	115			7.32	15.0	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
FC069779.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	18.6		0.98	4.29	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	97.6	E	1.27	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.1		40 - 140	82%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.5		40 - 140	77%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2960-01	Acq On:	28 Aug 2025 22:33
Client Sample ID:	SU-03-08262025	Operator:	YP/AJ
Data file:	FC069779.D	Misc:	
Instrument:	FID_C	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.295	6.591	711772	5.606	300	ug/ml
Aliphatic C12-C16	6.592	9.993	3127551	24.369	200	ug/ml
Aliphatic C16-C21	9.994	13.361	11533533	97.942	300	ug/ml
Aliphatic C21-C28	13.362	17.027	13517261	131.714	400	ug/ml
Aliphatic C28-C40	17.028	21.995	111032326	1360	600	ug/ml
Aliphatic EPH	3.295	21.995	139922443	1620		ug/ml
ortho-Terphenyl (SURR)	11.662	11.662	4989979	38.53		ug/ml
1-chlorooctadecane (SURR)	13.096	13.096	3936551	41.14		ug/ml
Aliphatic C9-C28	3.295	17.027	28890117	259.631	1200	ug/ml