

## Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Summit Gas and Appliance Service MA00006789	Date Received:	
Client Sample ID:	PB169432BS	SDG No.:	Q2960
Lab Sample ID:	PB169432BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
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 21:08	PB169432

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
<b>TARGETS</b>								
Aliphatic C28-C40	Aliphatic C28-C40	31.9		1	1.18	2.00	mg/kg	FC069777.D
Aliphatic C9-C28	Aliphatic C9-C28	81.1	E	1	0.91	3.99	mg/kg	FC069777.D
Total AliphaticEPH	Total AliphaticEPH	113			2.09	5.99	mg/kg	
Total EPH	Total EPH	113			2.09	5.99	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
FC069777.D	1	08/28/25	08/28/25	PB169432

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
<b>TARGETS</b>						
Aliphatic C9-C28	Aliphatic C9-C28	81.1	E	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	31.9		1.18	2.00	mg/kg
<b>SURROGATES</b>						
3383-33-2	1-chlorooctadecane (SURR)	41.1		40 - 140	82%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.3		40 - 140	79%	SPK: 50

## Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169432BS	Acq On:	28 Aug 2025 21:08
Client Sample ID:	PB169432BS	Operator:	YP/AJ
Data file:	FC069777.D	Misc:	
Instrument:	FID_C	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.295	6.591	28497364	224.434	300	ug/ml
Aliphatic C12-C16	6.592	9.993	35961917	280.208	200	ug/ml
Aliphatic C16-C21	9.994	13.361	37616641	319.439	300	ug/ml
Aliphatic C21-C28	13.362	17.027	40351551	393.19	400	ug/ml
Aliphatic C28-C40	17.028	21.995	38963618	478.411	600	ug/ml
Aliphatic EPH	3.295	21.995	181391091	1700		ug/ml
ortho-Terphenyl (SURR)	11.663	11.663	5092538	39.33		ug/ml
1-chlorooctadecane (SURR)	13.098	13.098	3934092	41.12		ug/ml
Aliphatic C9-C28	3.295	17.027	142427473	1220	1200	ug/ml