

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Summit Gas and Appliance Service MA00006789	Date Received:	
Client Sample ID:	PB170001BS	SDG No.:	Q3296
Lab Sample ID:	PB170001BS	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
10/07/25 08:35	10/07/25 14:15	PB170001

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	25.5		1	1.18	2.00	mg/kg	FF016538.D
Aliphatic C9-C28	Aliphatic C9-C28	72.4		1	0.91	3.99	mg/kg	FF016538.D
Total AliphaticEPH	Total AliphaticEPH	97.9			2.09	5.99	mg/kg	
Total EPH	Total EPH	97.9			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.

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Q = indicates LCS control criteria did not meet requirements

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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF016538.D	1	10/07/25	10/07/25	PB170001

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SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.4		40 - 140	61%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.0		40 - 140	60%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB170001BS	Acq On:	07 Oct 2025 14:15
Client Sample ID:	PB170001BS	Operator:	YP\AJ
Data file:	FF016538.D	Misc:	
Instrument:	FID_F	ALS Vial:	71
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.210	6.853	24346305	203.749	300	ug/ml
Aliphatic C12-C16	6.854	10.299	31772931	255.625	200	ug/ml
Aliphatic C16-C21	10.300	13.673	37624765	288.54	300	ug/ml
Aliphatic C21-C28	13.674	17.347	45411993	339.751	400	ug/ml
Aliphatic C28-C40	17.348	22.312	41434119	382.357	600	ug/ml
Aliphatic EPH	3.210	22.312	180590113	1470		ug/ml
ortho-Terphenyl (SURR)	11.962	11.962	4334532	29.97		ug/ml
1-chlorooctadecane (SURR)	13.404	13.404	3388225	30.38		ug/ml
Aliphatic C9-C28	3.210	17.347	139155994	1090	1200	ug/ml