

## Report of Analysis

Client:	PSEG	Date Collected:	04/01/25
Project:	Summit Gas and Appliance Service MA00006789	Date Received:	04/01/25
Client Sample ID:	SU-04-040125-E2	SDG No.:	Q1684
Lab Sample ID:	Q1684-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.5
Sample Wt/Vol:	30.05      Units: g	Final Vol:	2000      uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/02/25 08:00	04/03/25 9:49	PB167427

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
<b>TARGETS</b>								
Aliphatic C28-C40	Aliphatic C28-C40	66.6		2	2.69	4.56	mg/kg	FE053157.D
Aliphatic C9-C28	Aliphatic C9-C28	67.8		1	1.04	4.56	mg/kg	FE053137.D
Total AliphaticEPH	Total AliphaticEPH	134			3.73	9.12	mg/kg	
Total EPH	Total EPH	134			3.73	9.12	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

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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053137.D	1	04/02/25	04/02/25	PB167427

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<b>TARGETS</b>						
Aliphatic C9-C28	Aliphatic C9-C28	67.8		1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	58.4	E	1.35	2.28	mg/kg
<b>SURROGATES</b>						
3383-33-2	1-chlorooctadecane (SURR)	49.1		40 - 140	98%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.5		40 - 140	73%	SPK: 50

## Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1684-02	Acq On:	02 Apr 2025 17:18
Client Sample ID:	SU-04-040125-E2	Operator:	YP\AJ
Data file:	FE053137.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.137	6.779	2342386	15.012	300	ug/ml
Aliphatic C12-C16	6.780	10.229	9671236	62.951	200	ug/ml
Aliphatic C16-C21	10.230	13.604	46438577	321.737	300	ug/ml
Aliphatic C21-C28	13.605	17.273	65992333	491.206	400	ug/ml
Aliphatic C28-C40	17.274	22.174	95390675	767.691	600	ug/ml
Aliphatic EPH	3.137	22.174	219835207	1660		ug/ml
ortho-Terphenyl (SURR)	11.891	11.891	5939353	36.46		ug/ml
1-chlorooctadecane (SURR)	13.335	13.335	5891384	49.08		ug/ml
Aliphatic C9-C28	3.137	17.273	124444532	890.906	1200	ug/ml