

Report of Analysis

Client:	PSEG	Date Collected:	05/14/25
Project:	Summit Gas and Appliance Service MA00006789	Date Received:	05/14/25
Client Sample ID:	SU-04-051425-E2	SDG No.:	Q2047
Lab Sample ID:	Q2047-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.7
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
05/15/25 09:30	05/15/25 21:13	PB168018

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	37.1		1	1.26	2.13	mg/kg FC068895.D
Aliphatic C9-C28	Aliphatic C9-C28	4.33		1	0.97	4.27	mg/kg FC068895.D
Total AliphaticEPH	Total AliphaticEPH	41.4			2.23	6.40	mg/kg
Total EPH	Total EPH	41.4			2.23	6.40	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068895.D	1	05/15/25	05/15/25	PB168018

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.33		0.97	4.27	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	37.1		1.26	2.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	50.6		40 - 140	101%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.2		40 - 140	90%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2047-02	Acq On:	15 May 2025 21:13
Client Sample ID:	SU-04-051425-E2	Operator:	YP/AJ
Data file:	FC068895.D	Misc:	
Instrument:	FID_C	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.339	6.640	278106	2.805	300	ug/ml
Aliphatic C12-C16	6.641	10.040	646910	7.11	200	ug/ml
Aliphatic C16-C21	10.041	13.406	1728700	20.157	300	ug/ml
Aliphatic C21-C28	13.407	17.070	2579734	31.047	400	ug/ml
Aliphatic C28-C40	17.071	22.065	44181998	522.106	600	ug/ml
Aliphatic EPH	3.339	22.065	49415448	583.226		ug/ml
ortho-Terphenyl (SURR)	11.711	11.711	5155079	45.16		ug/ml
1-chlorooctadecane (SURR)	13.144	13.144	4058065	50.58		ug/ml
Aliphatic C9-C28	3.339	17.070	5233450	61.119	1200	ug/ml