

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	SDG No.:	Q2047
Lab Sample ID:	Q2047-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.7
Sample Wt/Vol:	30.04 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 18:39	PB168018

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	24.8		1	1.24	2.11	mg/kg FC068891.D
Aliphatic C9-C28	Aliphatic C9-C28	4.85		1	0.96	4.21	mg/kg FC068891.D
Total AliphaticEPH	Total AliphaticEPH	29.6			2.20	6.32	mg/kg
Total EPH	Total EPH	29.6			2.20	6.32	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

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	SDG No.:	Q2047
Lab Sample ID:	Q2047-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.7
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068891.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	4.85		0.96	4.21	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	24.8		1.24	2.11	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.3		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.1		40 - 140	72%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2047-01	Acq On:	15 May 2025 18:39
Client Sample ID:	SU-04-051425	Operator:	YP/AJ
Data file:	FC068891.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.339	6.640	268103	2.704	300	ug/ml
Aliphatic C12-C16	6.641	10.040	602982	6.627	200	ug/ml
Aliphatic C16-C21	10.041	13.406	1820572	21.229	300	ug/ml
Aliphatic C21-C28	13.407	17.070	3186566	38.35	400	ug/ml
Aliphatic C28-C40	17.071	22.065	29876605	353.057	600	ug/ml
Aliphatic EPH	3.339	22.065	35754828	421.967		ug/ml
ortho-Terphenyl (SURR)	11.708	11.708	4119412	36.09		ug/ml
1-chlorooctadecane (SURR)	13.141	13.141	3236604	40.34		ug/ml
Aliphatic C9-C28	3.339	17.070	5878223	68.91	1200	ug/ml