

Report of Analysis

Client:	PSEG	Date Collected:	01/03/25
Project:	Summit Gas District	Date Received:	01/03/25
Client Sample ID:	SU-03-1-03-2025	SDG No.:	Q1009
Lab Sample ID:	Q1009-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
01/06/25 08:35	01/06/25 14:13	PB165958

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	23.6		1	1.97	2.19	mg/kg FE051843.D
Aliphatic C9-C28	Aliphatic C9-C28	34.2		1	1.89	4.39	mg/kg FE051843.D
Total AliphaticEPH	Total AliphaticEPH	57.8			3.86	6.58	mg/kg
Total EPH	Total EPH	57.8			3.86	6.58	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
FE051843.D	1	01/06/25	01/06/25	PB165958

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	34.2		1.89	4.39	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	23.6		1.97	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.3		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.1		40 - 140	70%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1009-01	Acq On:	06 Jan 2025 14:13
Client Sample ID:	SU-03-1-03-2025	Operator:	YP\AJ
Data file:	FE051843.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.411	7.008	2442643	21.447	300	ug/ml
Aliphatic C12-C16	7.009	10.438	19037960	153.613	200	ug/ml
Aliphatic C16-C21	10.439	13.803	30624967	231.969	300	ug/ml
Aliphatic C21-C28	13.804	17.462	7896777	60.284	400	ug/ml
Aliphatic C28-C40	17.463	22.474	35295810	323.386	600	ug/ml
Aliphatic EPH	3.411	22.474	95298157	790.698		ug/ml
ortho-Terphenyl (SURR)	12.113	12.113	5086660	35.09		ug/ml
1-chlorooctadecane (SURR)	13.541	13.541	4283815	37.28		ug/ml
Aliphatic C9-C28	3.411	17.462	60002347	467.313	1200	ug/ml