

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:	Q1009-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91
Sample Wt/Vol:	30.03	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 16:13	PB165958

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	38.8		1	1.98	2.20	mg/kg FE051847.D
Aliphatic C9-C28	Aliphatic C9-C28	6.43		1	1.89	4.39	mg/kg FE051847.D
Total AliphaticEPH	Total AliphaticEPH	45.2			3.87	6.59	mg/kg
Total EPH	Total EPH	45.2			3.87	6.59	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:	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:	Q1009-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91
Sample Wt/Vol:	30.03 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
FE051847.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	6.43		1.89	4.39	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	38.8		1.98	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.1		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.4		40 - 140	59%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1009-02	Acq On:	06 Jan 2025 16:13
Client Sample ID:	SU-03-1-03-2025	Operator:	YP\AJ
Data file:	FE051847.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.411	7.008	924373	8.116	300	ug/ml
Aliphatic C12-C16	7.009	10.438	2705746	21.832	200	ug/ml
Aliphatic C16-C21	10.439	13.803	3648710	27.637	300	ug/ml
Aliphatic C21-C28	13.804	17.462	3977287	30.363	400	ug/ml
Aliphatic C28-C40	17.463	22.474	57803321	529.603	600	ug/ml
Aliphatic EPH	3.411	22.474	69059437	617.551		ug/ml
ortho-Terphenyl (SURR)	12.124	12.124	4256641	29.37		ug/ml
1-chlorooctadecane (SURR)	13.553	13.553	3579030	31.15		ug/ml
Aliphatic C9-C28	3.411	17.462	11256116	87.948	1200	ug/ml