

Report of Analysis

Client:	PSEG	Date Collected:	06/20/25
Project:	Summit Gas District	Date Received:	06/20/25
Client Sample ID:	SU-1-062025	SDG No.:	Q2386
Lab Sample ID:	Q2386-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.5
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/23/25 09:25	06/24/25 7:57	PB168581

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	71.1		10	13.5	22.8	mg/kg FC069259.D
Aliphatic C9-C28	Aliphatic C9-C28	584		10	10.4	45.6	mg/kg FC069259.D
Total AliphaticEPH	Total AliphaticEPH	655			23.9	68.4	mg/kg
Total EPH	Total EPH	655			23.9	68.4	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:	06/20/25
Project:	Summit Gas District	Date Received:	06/20/25
Client Sample ID:	SU-1-062025	SDG No.:	Q2386
Lab Sample ID:	Q2386-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.5
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069248.D	1	06/23/25	06/23/25	PB168581

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	524	E	1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	63.1	E	1.35	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	116		40 - 140	232%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.6		40 - 140	59%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2386-01	Acq On:	23 Jun 2025 17:12
Client Sample ID:	SU-1-062025	Operator:	YP/AJ
Data file:	FC069248.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.306	6.606	3899859	26.588	300	ug/ml
Aliphatic C12-C16	6.607	10.011	159122590	999.448	200	ug/ml
Aliphatic C16-C21	10.012	13.381	585530980	3790	300	ug/ml
Aliphatic C21-C28	13.382	17.047	278717621	2080	400	ug/ml
Aliphatic C28-C40	17.048	22.033	76388354	829.187	600	ug/ml
Aliphatic EPH	3.306	22.033	1103659404	7730		ug/ml
ortho-Terphenyl (SURR)	11.698	11.698	5116400	29.62		ug/ml
1-chlorooctadecane (SURR)	13.138	13.138	15186100	116.24		ug/ml
Aliphatic C9-C28	3.306	17.047	1027271050	6900	1200	ug/ml