

Report of Analysis

Client:	PSEG	Date Collected:	07/17/25
Project:	Harrison Gas	Date Received:	07/17/25
Client Sample ID:	RT2286-E2	SDG No.:	Q2635
Lab Sample ID:	Q2635-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.3
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
07/21/25 09:00	07/21/25 17:04	PB168930

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	12.9		1	1.37	2.32	mg/kg FE054944.D
Aliphatic C9-C28	Aliphatic C9-C28	19.4		1	1.05	4.63	mg/kg FE054944.D
Total AliphaticEPH	Total AliphaticEPH	32.3			2.42	6.95	mg/kg
Total EPH	Total EPH	32.3			2.42	6.95	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
FE054944.D	1	07/21/25	07/21/25	PB168930

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	19.4		1.05	4.63	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	12.9		1.37	2.32	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.7		40 - 140	61%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.0		40 - 140	60%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2635-02	Acq On:	21 Jul 2025 17:04
Client Sample ID:	RT2286-E2	Operator:	YP\AJ
Data file:	FE054944.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	3.330	6.963	1314822	9.664	300	ug/ml
Aliphatic C12-C16	6.964	10.415	3300739	23.481	200	ug/ml
Aliphatic C16-C21	10.416	13.793	20787817	143.966	300	ug/ml
Aliphatic C21-C28	13.794	17.463	10809694	74.729	400	ug/ml
Aliphatic C28-C40	17.464	22.490	23108194	166.669	600	ug/ml
Aliphatic EPH	3.330	22.490	59321266	418.509		ug/ml
ortho-Terphenyl (SURR)	12.090	12.090	4868388	29.98		ug/ml
1-chlorooctadecane (SURR)	13.527	13.527	3871599	30.66		ug/ml
Aliphatic C9-C28	3.330	17.463	36213072	251.84	1200	ug/ml