

Report of Analysis

Client:	PSEG	Date Collected:	07/17/25
Project:	Harrison Gas	Date Received:	07/17/25
Client Sample ID:	RT2286	SDG No.:	Q2635
Lab Sample ID:	Q2635-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.8
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
07/21/25 09:00	07/21/25 15:02	PB168930

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	13.9		1	1.39	2.35	mg/kg FE054940.D
Aliphatic C9-C28	Aliphatic C9-C28	38.5		1	1.07	4.71	mg/kg FE054940.D
Total AliphaticEPH	Total AliphaticEPH	52.4			2.46	7.07	mg/kg
Total EPH	Total EPH	52.4			2.46	7.07	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054940.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	38.5		1.07	4.71	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	13.9		1.39	2.35	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.5		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.7		40 - 140	69%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2635-01	Acq On:	21 Jul 2025 15:02
Client Sample ID:	RT2286	Operator:	YP\AJ
Data file:	FE054940.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	3.330	6.963	1976737	14.529	300	ug/ml
Aliphatic C12-C16	6.964	10.415	6461764	45.969	200	ug/ml
Aliphatic C16-C21	10.416	13.793	42154237	291.94	300	ug/ml
Aliphatic C21-C28	13.794	17.463	19942214	137.864	400	ug/ml
Aliphatic C28-C40	17.464	22.490	24494142	176.665	600	ug/ml
Aliphatic EPH	3.330	22.490	95029094	666.966		ug/ml
ortho-Terphenyl (SURR)	12.091	12.091	5635440	34.7		ug/ml
1-chlorooctadecane (SURR)	13.527	13.527	4489765	35.55		ug/ml
Aliphatic C9-C28	3.330	17.463	70534952	490.302	1200	ug/ml