

Report of Analysis

Client:	PSEG	Date Collected:	06/04/25
Project:	Central (Harrison) Gas Division Service MA00006789	Date Received:	06/04/25
Client Sample ID:	HR-01-06042025	SDG No.:	Q2223
Lab Sample ID:	Q2223-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.6
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/09/25 08:30	06/09/25 14:40	PB168341

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	35.8		1	1.24	2.11	mg/kg FE054245.D
Aliphatic C9-C28	Aliphatic C9-C28	106		2	1.92	8.44	mg/kg FE054274.D
Total AliphaticEPH	Total AliphaticEPH	142			3.16	10.6	mg/kg
Total EPH	Total EPH	142			3.16	10.6	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054245.D	1	06/09/25	06/09/25	PB168341

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	97.7	E	0.96	4.21	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	35.8		1.24	2.11	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.6		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.8		40 - 140	78%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2223-01	Acq On:	09 Jun 2025 14:40
Client Sample ID:	HR-01-06042025	Operator:	YP\AJ
Data file:	FE054245.D	Misc:	
Instrument:	FID_E	ALS Vial:	6
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.082	6.727	5431558	40.067	300	ug/ml
Aliphatic C12-C16	6.728	10.174	80128046	593.798	200	ug/ml
Aliphatic C16-C21	10.175	13.548	86182289	653.337	300	ug/ml
Aliphatic C21-C28	13.549	17.217	12555830	101.112	400	ug/ml
Aliphatic C28-C40	17.218	22.094	58736340	508.845	600	ug/ml
Aliphatic EPH	3.082	22.094	243034063	1900		ug/ml
ortho-Terphenyl (SURR)	11.840	11.840	6306681	38.81		ug/ml
1-chlorooctadecane (SURR)	13.285	13.285	4459324	37.62		ug/ml
Aliphatic C9-C28	3.082	17.217	184297723	1390	1200	ug/ml