

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-04-06042025	SDG No.:	Q2223
Lab Sample ID:	Q2223-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95.9
Sample Wt/Vol:	30.03 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	06/10/25 9:16	PB168341

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	139		10	12.3	20.8	mg/kg FE054276.D
Aliphatic C9-C28	Aliphatic C9-C28	497		10	9.48	41.6	mg/kg FE054276.D
Total AliphaticEPH	Total AliphaticEPH	636			21.8	62.4	mg/kg
Total EPH	Total EPH	636			21.8	62.4	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

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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054247.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	418	E	0.95	4.16	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	133	E	1.23	2.08	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	61.5		40 - 140	123%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	64.4		40 - 140	129%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2223-03	Acq On:	09 Jun 2025 15:40
Client Sample ID:	HR-04-06042025	Operator:	YP\AJ
Data file:	FE054247.D	Misc:	
Instrument:	FID_E	ALS Vial:	8
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.082	6.727	26066871	192.286	300	ug/ml
Aliphatic C12-C16	6.728	10.174	320492343	2380	200	ug/ml
Aliphatic C16-C21	10.175	13.548	396121996	3000	300	ug/ml
Aliphatic C21-C28	13.549	17.217	58158178	468.349	400	ug/ml
Aliphatic C28-C40	17.218	22.094	222097260	1920	600	ug/ml
Aliphatic EPH	3.082	22.094	1022936648	7960		ug/ml
ortho-Terphenyl (SURR)	11.847	11.847	10461652	64.37		ug/ml
1-chlorooctadecane (SURR)	13.290	13.290	7296704	61.55		ug/ml
Aliphatic C9-C28	3.082	17.217	800839388	6040	1200	ug/ml