

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-E2	SDG No.:	Q2223
Lab Sample ID:	Q2223-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94
Sample Wt/Vol:	30.01 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 9:46	PB168341

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	226		10	12.5	21.3	mg/kg FE054277.D
Aliphatic C9-C28	Aliphatic C9-C28	397		10	9.68	42.5	mg/kg FE054277.D
Total AliphaticEPH	Total AliphaticEPH	623			22.2	63.8	mg/kg
Total EPH	Total EPH	623			22.2	63.8	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
FE054248.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	337	E	0.97	4.25	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	224	E	1.25	2.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	65.4		40 - 140	131%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	67.8		40 - 140	136%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2223-04	Acq On:	09 Jun 2025 16:10
Client Sample ID:	HR-04-06042025-E2	Operator:	YP\AJ
Data file:	FE054248.D	Misc:	
Instrument:	FID_E	ALS Vial:	9
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.082	6.727	26165920	193.016	300	ug/ml
Aliphatic C12-C16	6.728	10.174	252558386	1870	200	ug/ml
Aliphatic C16-C21	10.175	13.548	309929070	2350	300	ug/ml
Aliphatic C21-C28	13.549	17.217	43694440	351.872	400	ug/ml
Aliphatic C28-C40	17.218	22.094	365451281	3170	600	ug/ml
Aliphatic EPH	3.082	22.094	997799097	7930		ug/ml
ortho-Terphenyl (SURR)	11.847	11.847	11025149	67.84		ug/ml
1-chlorooctadecane (SURR)	13.291	13.291	7755747	65.42		ug/ml
Aliphatic C9-C28	3.082	17.217	632347816	4770	1200	ug/ml