

Report of Analysis

Client:	PSEG	Date Collected:	07/03/25
Project:	Central (Harrison) Gas Division Service MA00006789	Date Received:	07/03/25
Client Sample ID:	HR-2-070325	SDG No.:	Q2513
Lab Sample ID:	Q2513-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.3
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
07/07/25 09:30	07/08/25 11:26	PB168738

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	80.0		10	12.5	21.2	mg/kg FE054735.D
Aliphatic C9-C28	Aliphatic C9-C28	257		10	9.63	42.4	mg/kg FE054735.D
Total AliphaticEPH	Total AliphaticEPH	337			22.1	63.6	mg/kg
Total EPH	Total EPH	337			22.1	63.6	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054719.D	1	07/07/25	07/07/25	PB168738

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	242	E	0.96	4.24	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	87.0	E	1.25	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.1		40 - 140	52%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.9		40 - 140	54%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2513-01	Acq On:	07 Jul 2025 23:07
Client Sample ID:	HR-2-070325	Operator:	YP\AJ
Data file:	FE054719.D	Misc:	
Instrument:	FID_E	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.322	6.953	20117185	147.861	300	ug/ml
Aliphatic C12-C16	6.954	10.404	196301345	1400	200	ug/ml
Aliphatic C16-C21	10.405	13.782	235739498	1630	300	ug/ml
Aliphatic C21-C28	13.783	17.452	37568511	259.717	400	ug/ml
Aliphatic C28-C40	17.453	22.469	170872706	1230	600	ug/ml
Aliphatic EPH	3.322	22.469	660599245	4670		ug/ml
ortho-Terphenyl (SURR)	12.087	12.087	4374507	26.94		ug/ml
1-chlorooctadecane (SURR)	13.523	13.523	3294576	26.09		ug/ml
Aliphatic C9-C28	3.322	17.452	489726539	3440	1200	ug/ml