

Report of Analysis

Client:	PSEG	Date Collected:	03/24/25
Project:	Central (Harrison) Gas Division Service MA00006789	Date Received:	03/24/25
Client Sample ID:	HR-04-032425-E2	SDG No.:	Q1634
Lab Sample ID:	Q1634-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.7
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
03/25/25 09:30	03/26/25 11:34	PB167292

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	89.0		10	13.0	22.0	mg/kg FE052975.D
Aliphatic C9-C28	Aliphatic C9-C28	295		10	10.0	44.0	mg/kg FE052975.D
Total AliphaticEPH	Total AliphaticEPH	384			23.0	66.0	mg/kg
Total EPH	Total EPH	384			23.0	66.0	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
FE052964.D	1	03/25/25	03/25/25	PB167292

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	273	E	1.00	4.40	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	75.8	E	1.30	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.1		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	47.3		40 - 140	95%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1634-04	Acq On:	25 Mar 2025 18:56
Client Sample ID:	HR-04-032425-E2	Operator:	YP\AJ
Data file:	FE052964.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.147	6.791	48873368	313.394	300	ug/ml
Aliphatic C12-C16	6.792	10.245	265394943	1740	200	ug/ml
Aliphatic C16-C21	10.246	13.624	214920324	1470	300	ug/ml
Aliphatic C21-C28	13.625	17.298	29028600	203.778	400	ug/ml
Aliphatic C28-C40	17.299	22.217	131645339	1030	600	ug/ml
Aliphatic EPH	3.147	22.217	689862574	4760		ug/ml
ortho-Terphenyl (SURR)	11.913	11.913	7981213	47.34		ug/ml
1-chlorooctadecane (SURR)	13.357	13.357	4870835	40.11		ug/ml
Aliphatic C9-C28	3.147	17.298	558217235	3730	1200	ug/ml