

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-01-032425-E2	SDG No.:	Q1634
Lab Sample ID:	Q1634-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.2
Sample Wt/Vol:	30.04 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 10:34	PB167292

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	81.0		5	6.53	11.1	mg/kg FE052973.D
Aliphatic C9-C28	Aliphatic C9-C28	225		5	5.03	22.1	mg/kg FE052973.D
Total AliphaticEPH	Total AliphaticEPH	306			11.6	33.3	mg/kg
Total EPH	Total EPH	306			11.6	33.3	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
FE052962.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	201	E	1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	85.7	E	1.31	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	24.4		40 - 140	49%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.1		40 - 140	62%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1634-02	Acq On:	25 Mar 2025 17:56
Client Sample ID:	HR-01-032425-E2	Operator:	YP\AJ
Data file:	FE052962.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.147	6.791	48445240	310.649	300	ug/ml
Aliphatic C12-C16	6.792	10.245	198658296	1310	200	ug/ml
Aliphatic C16-C21	10.246	13.624	142462259	972.12	300	ug/ml
Aliphatic C21-C28	13.625	17.298	19084063	133.969	400	ug/ml
Aliphatic C28-C40	17.299	22.217	148114533	1160	600	ug/ml
Aliphatic EPH	3.147	22.217	556764391	3880		ug/ml
ortho-Terphenyl (SURR)	11.911	11.911	5246553	31.12		ug/ml
1-chlorooctadecane (SURR)	13.356	13.356	2967937	24.44		ug/ml
Aliphatic C9-C28	3.147	17.298	408649858	2720	1200	ug/ml