

Report of Analysis

Client:	PSEG	Date Collected:	02/21/25
Project:	Central (Harrison) Gas Division Service MA00006789	Date Received:	02/21/25
Client Sample ID:	HR-03-02212025	SDG No.:	Q1411
Lab Sample ID:	Q1411-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.4
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/24/25 09:00	02/25/25 10:33	PB166837

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	48.1		5	9.84	10.9	mg/kg FE052483.D
Aliphatic C9-C28	Aliphatic C9-C28	7.87		1	1.88	4.37	mg/kg FE052471.D
Total AliphaticEPH	Total AliphaticEPH	56.0			11.7	15.3	mg/kg
Total EPH	Total EPH	56.0			11.7	15.3	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052471.D	1	02/24/25	02/24/25	PB166837

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	7.87		1.88	4.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	44.1	E	1.97	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.2		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.3		40 - 140	65%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1411-03	Acq On:	24 Feb 2025 17:20
Client Sample ID:	HR-03-02212025	Operator:	YP\AJ
Data file:	FE052471.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.155	6.798	1226596	7.871	300	ug/ml
Aliphatic C12-C16	6.799	10.251	2575253	16.048	200	ug/ml
Aliphatic C16-C21	10.252	13.630	5799660	36.131	300	ug/ml
Aliphatic C21-C28	13.631	17.303	7470179	48.069	400	ug/ml
Aliphatic C28-C40	17.304	22.230	79303068	605.438	600	ug/ml
Aliphatic EPH	3.155	22.230	96374756	713.556		ug/ml
ortho-Terphenyl (SURR)	11.919	11.919	6037669	32.3		ug/ml
1-chlorooctadecane (SURR)	13.365	13.365	4888078	35.17		ug/ml
Aliphatic C9-C28	3.155	17.303	17071688	108.119	1200	ug/ml