

54 PAMS target compounds (hydrocarbons) listed in their elution sequence.

	Hydrocarbon	AIRS	CAS
1.	Ethyl ene	43203	74851
2.	Acetyl ene	43206	74862
3.	Ethane	43202	74840
4.	Propyl ene	43205	115071
5.	Propane	43204	74986
6.	Isobutane	43214	75285
7.	1- Butene ¹	43280	106989
8.	n- Butane	43212	106978
9.	t- 2- Butene	43216	624646
10.	c- 2- Butene	43217	590181
11.	Isopentane	43221	78784
12.	1- Pentene	43224	109671
13.	n- Pentane	43220	109660
14.	Isoprene	43243	78795
15.	t- 2- Pentene	43226	646048
16.	c- 2- Pentene	43227	627203
17.	2, 2- Di methyl butane	43244	75832
18.	Cycl opentane	43242	287923
19.	2, 3- Di methyl butane	43284	79298
20.	2- Methyl pentane	43285	107835
21.	3- Methyl pentane	43230	96140
22.	n- Hexane	43231	110543
23.	Methyl cycl opentane	43262	96377
24.	2, 4- Di methyl pentane	43247	108087
25.	Benzene	45201	71432
26.	Cycl ohexane	43248	110827
27.	2- Methyl hexane	43263	591764
28.	2, 3- Di methyl pentane	43291	565593
29.	3- Methyl hexane	43249	589344
30.	2, 2, 4- Tri methyl pentane	43250	540841
31.	n- Heptane	43232	142825
32.	Methyl cycl ohexane	43261	108872
33.	2, 3, 4- Tri methyl pentane	43252	565753
34.	Tol uene	45202	108883
35.	2- Methyl heptane	43960	592278
36.	3- Methyl heptane	43253	589811
37.	n- Octane	43233	111659
38.	Ethyl benzene	45203	100414
39.	m & p- Xyl ene ²	45109	108383/106423
40.	Styrene	45220	100425
41.	o- Xyl ene	45204	95476
42.	n- Nonane	43235	111842
43.	Isopropyl benzene	45210	98828
44.	n- Propyl benzene	45209	103651
45.	m- Ethyl tol uene	45212	620144
46.	p- Ethyl tol uene	45213	622968
47.	1, 3, 5- Tri methyl benzene	45207	108678
48.	o- Ethyl tol uene	45211	611143
49.	1, 2, 4- Tri methyl benzene	45208	95636
50.	n- Decane	43238	124185
51.	1, 2, 3- Tri methyl benzene	45225	526738
52.	m- Di ethyl benzene ³	45218	141935
53.	p- Di ethyl benzene	45219	105055
54.	n- Undecane	43954	1120214

¹Note that because 1-Butene and Isobutene elute at about the same time, they are difficult to resolve. The coeluting isomers are assigned AIRS Parameter Code 43127. Isobutene is assigned AIRS Parameter Code 43270 and CAS 115117.

²These isomers of xylene are also difficult to resolve. Individually, their AIRS Parameter Codes are 45205 & 45206, respectively. Respective CAS numbers are provided in the table.

³Also named 1,3-Diethylbenzene.