TABLE A17

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
1		ACETYLENE	2.04	4.08	2.99
2		ETHYLENE	6.92	13.84	3.06
3		ETHANE	10.52	21.04	3.13
4		PROPENE	0.53	1.60	4.24
5		PROPANE	12.21	36.62	4.37
6		ISOBUTANE	3.55	14.19	6.52
7		BUTENE-1	0.64	2.58	7.66
8		1,3-BUTADIENE	0.00	0.00	
9	400.00	n-BUTANE	11.39	45.55	7.08
10	410.09	trans-2-BUTENE	0.17	0.69	7.55
11	418.88	cis-2-BUTENE	0.52	2.06	7.96
12		C4 OLEFIN	0.00	0.00	
13	461.16	C4 OLEFIN	0.38	1.54	9.93
14	467.38	3-METHYL-1-BUTENE	0.31	1.55	10.22
15	472.53	ISOPENTANE	7.16	35.82	10.46
16		1-PENTENE	0.00	0.00	
17		2-METHYL-1-BUTENE	0.00	0.00	
18	500.00	n-PENTANE	4.24	21.20	11.74
19	504.73	ISOPRENE	0.37	1.86	11.97
20		t-2-PENTENE	0.00	0.00	
21		c-2-PENTENE	0.00	0.00	
22	519.34	C5 OLEFIN	0.42	2.11	12.68
23	522.43	2-METHYL-2-BUTENE	0.24	1.22	12.83
24	530.86	C6 PARAFFIN	0.18	1.07	13.24
25	535.19	2,2-DIMETHYLBUTANE	0.17	0.99	13.45
26	543.83	C6 HYDROCARBON	0.15	0.93	13.87
				0.00	
27		4-METHYL-1-PENTENE	0.00	0.00	
28	562.76	CYCLOPENTANE	0.57	2.83	14.79
29	565.23	2,3-DIMETHYLBUTANE	0.39	2.34	14.91
30	569.75	2-METHYLPENTANE	1.68	10.08	15.13
31	574.69	C6 OLEFIN	1.03	6.16	15.37
32	580.25	UNKNOWN	0.65	3.92	15.64
33	583.33	3-METHYLPENTANE	1.22	7.30	15.79
34		2-METHYL-1-PENTENE +		0.00	
		1-HEXENE	0.00	0.00	
35		C6 OLEFIN		0.00	
36	600.00	n-HEXANE	1.36	8.14	16.60
37		t-3-HEXENE	0.00	0.00	
38		t-2-HEXENE	0.00	0.00	
39		C6 OLEFIN	0.00	0.00	
40		C6 OLEFIN	0.00	0.00	

TABLE A17 cont

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
41		C6 OLEFIN		0.00	
42	627.78	METHYLCYCLOPENTANE	1.47	8.85	17.85
43	631.33	2,4-DIMETHYLPENTANE	0.16	1.10	18.01
44	636.89	C8 PARAFFIN+TRICHLOROETHANE	0.29	2.03	18.26
45	652.67	BENZENE	1.39	8.32	18.97
46		3,3-DIMETHYLPENTANE	0.00	0.00	
47	661.78	CYCLOHEXANE	0.55	3.31	19.38
48	668.44	2-METHYLHEXANE	0.40	2.83	19.68
49	670.89	2,3-DIMETHYLPENTANE	0.28	1.97	19.79
50	677.33	3-METHYLHEXANE	0.74	5.17	20.08
51		C7 OLEFIN	0.00	0.00	
52	684.89	1,3-DIMETHYLCYCLOPENTANE	0.28	1.98	20.42
53	687.56	3-ETHYLPENTANE	0.34	2.40	20.54
54	690.44	2,2,4-TRIMETHYLPENTANE	0.56	4.48	20.67
55	700.00	n-HEPTANE	0.49	3.42	21.10
56		C8 OLEFIN	0.00	0.00	
				0.00	
57	725.25	METHYLCYCLOHEXANE	0.75	5.26	22.13
58		C8 PARAFFIN	0.00	0.00	
59		2,5-DIMETHYLHEXANE	0.00	0.00	
60	736.03	2,4-DIMETHYLHEXANE	0.18	1.42	22.57
61	744.36	C8 PARAFFIN	0.17	1.36	22.91
62	751.72	C8 PARAFFIN	0.18	1.42	23.21
63		2,3,4-TRIMETHYLPENTANE	0.00	0.00	
64	760.05	TOLUENE	2.62	18.35	23.55
65		2,3-DIMETHYLHEXANE	0.00	0.00	
66	767.65	2-METHYLHEPTANE	0.31	2.50	23.86
67	775.49	3-METHYLHEPTANE	0.18	1.44	24.18
68		3-ETHYLHEXANE	0.00	0.00	
69	780.64	C8 PARAFFIN	0.28	2.21	24.39
70		2,2,5-TRIMETHYLHEXANE	0.00	0.00	
71		DIMETHYLCYCLOHEXANE +		0.00	
		1-OCTENE	0.00	0.00	
72		C8 PARAFFIN	0.00	0.00	
73	800.00	n-OCTANE	0.21	1.70	25.18
74		PERCHLOROETHYLENE	0.00	0.00	
75		C9 PARAFFIN	0.00	0.00	
76		DIMETHYLHEPTANE	0.00	0.00	
77		C9 PARAFFIN	0.00	0.00	
78		C9 PARAFFIN	0.00	0.00	
79		2,5-DIMETHYLHEPTANE	0.00	0.00	
80	845.45	C9 PARAFFIN	0.16	1.42	26.88

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
81	856.95	ETHYLBENZENE	0.42	3.33	27.31
82		C9 OLEFFIN	0.00	0.00	
83	865.51	m&p-XYLENE	1.22	9.73	27.63
84		4-METHYLOCTANE	0.00	0.00	
85		3-METHYLOCTANE	0.00	0.00	
86		C9 PARAFFIN	0.00	0.00	
87	883.96	STYRENE	0.21	1.71	28.32
88	889.30	o-XYLENE	0.59	4.70	28.52
89		1-NONENE	0.00	0.00	
90	900.00	n-NONANE	0.13	1.14	28.92
91		C9 PARAFFIN	0.00	0.00	
92		ISOPROPYLBENZENE	0.00	0.00	
93		C10 PARAFFIN	0.00	0.00	
94		CYCLOOCTANE	0.00	0.00	
95		C10 PARAFFIN	0.00	0.00	
96		C10 PARAFFIN	0.00	0.00	
97		a-PINENE	0.00	0.00	
98		C10 PARAFFIN	0.00	0.00	
99		n-PROPYLBENZENE	0.00	0.00	
100	959.18	m-ETHYLTOLUENE	0.24	2.19	30.95
101		p-ETHYLTOLUENE	0.00	0.00	
102		1,3,5-TRIMETHYLBENZENE	0.00	0.00	
103		C10 PARAFFIN	0.00	0.00	
104		o-ETHYLTOLUENE	0.00	0.00	
105	986.01	C10 PARAFFIN	0.13	1.30	31.87
106	993.59	1,2,4-TRIMETHYLBENZENE	0.32	2.91	32.13
107		C10 PARAFFIN	0.00	0.00	
108	1000.00	n-DECANE	0.16	1.65	32.35
109		SEC-BUTYLBENZENE	0.00	0.00	
110		C10 OLEFIN	0.00	0.00	
111	1024.61	1,2,3-TRIMETHYLBENZENE	0.15	1.34	33.13
112		1-METHYL-4-ISOPROPYLBENZENE	0.00	0.00	
113		C10 PARAFFIN	0.00	0.00	
114		C10 AROMATIC	0.00	0.00	
115		n-BUTYLCYCLOHEXANE	0.00	0.00	
116		1,3-DIETHYLBENZENE	0.00	0.00	
117		C10 AROMATIC	0.00	0.00	
118	1056.15	1,4-DIETHYLBENZENE	0.15	1.54	34.13
119		C10 AROMATIC	0.00	0.00	
120		C11 PARAFFIN	0.00	0.00	

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
121		2,6-DIMETHYLSTYRENE		0.00	
122		1,3-DIMETHYL-4-ETHYLBENZENE		0.00	
123	1086.44	C10 AROMATIC	0.15	1.47	35.09
124		C10 AROMATIC	0.00	0.00	
125		C10 AROMATIC	0.00	0.00	
126	1100.00	n-UNDECANE	0.22	2.45	35.52
127		C10 AROMATIC	0.00	0.00	
128		1,2,4,5-TETRAMETHYLBENZENE	0.06	0.56	36.12
129		1,2,3,5-TETRAMETHYLBENZENE	0.06	0.56	36.27
130		C11 PARAFFIN	0.00	0.00	
131		C10 AROMATIC	0.00	0.00	
132		C10 AROMATIC	0.00	0.00	
133		C11 PARAFFIN	0.00	0.00	
134		m-DIISOPROPYLBENZENE	0.00	0.00	
135		C11 AROMATIC	0.00	0.00	
136		1,2,3,4,-TETRAMETHYLBENZENE	0.00	0.00	
137		C11 AROMATIC	0.00	0.00	
138		C11 AROMATIC	0.00	0.00	
139		NAPHTHALENE	0.12	1.44	38.47
140		C11 AROMATIC		0.00	
141		n-DODECANE		0.00	

TOTAL	85.34	372.29
TOTAL AROMATICS	7.69	58.16
TOTAL PARAFFINS	56.25	226.93
TOTAL OLEFIN	17.09	60.62
TOTAL FROM #112	0.90	9.36

TABLE A18

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
1		ACETYLENE	1.54	3.07	2.99
2		ETHYLENE	4.21	8.42	3.07
3		ETHANE	3.33	6.66	3.13
4		PROPENE	0.52	1.57	4.24
5		PROPANE	2.07	6.22	4.38
6		ISOBUTANE	0.70	2.79	6.51
7		BUTENE-1	0.58	2.30	7.65
8		1,3-BUTADIENE	0.00		
9	400.00	n-BUTANE	2.02	8.06	7.07
10	412.02	trans-2-BUTENE	0.28	1.13	7.63
11	418.88	cis-2-BUTENE	0.28	1.11	7.95
12	461.16	C4 OLEFIN	0.23	0.91	9.92
13	467.60	C4 OLEFIN	0.14	0.57	10.22
14		3-METHYL-1-BUTENE	0.00		
15	472.53	ISOPENTANE	2.58	12.90	10.45
16		1-PENTENE	0.00		
17		2-METHYL-1-BUTENE	0.00		
18	500.00	n-PENTANE	1.22	6.11	11.73
19	504.74	ISOPRENE	0.21	1.06	11.96
20		t-2-PENTENE	0.00		
21		c-2-PENTENE	0.00		
22	519.38	C5 OLEFIN	0.19	0.93	12.67
23		2-METHYL-2-BUTENE	0.00		
24	530.93	C6 PARAFFIN	0.20	1.20	13.23
25	535.26	2,2-DIMETHYLBUTANE	0.09	0.56	13.44
26	543.71	CYCLOPENTENE	0.25	1.27	13.85
27		4-METHYL-1-PENTENE	0.00		
28	562.89	CYCLOPENTANE	0.16	0.78	14.78
29	565.15	2,3-DIMETHYLBUTANE	0.28	1.70	14.89
30	569.69	2-METHYLPENTANE	0.76	4.55	15.11
31	574.64	C6 OLEFIN	0.60	3.62	15.35
32	580.41	UNKNOWN	0.37	2.24	15.63
33	583.51	3-METHYLPENTANE	1.06	6.33	15.78
34		2-METHYL-1-PENTENE +			
		1-HEXENE	0.00		
35		C6 OLEFIN			
36	600.00	n-HEXANE	0.53	3.20	16.58
37		t-3-HEXENE	0.00		
38		t-2-HEXENE	0.00		
39		C6 OLEFIN	0.00		
40		C6 OLEFIN	0.00		

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
41		C6 OLEFIN			
42	627.78	METHYLCYCLOPENTANE	0.55	3.31	17.83
43	631.33	2,4-DIMETHYLPENTANE	0.14	0.96	17.99
44	636.89	C7-PARAFFIN+TRICHLOROET	0.03	0.23	18.24
45	652.44	BENZENE	1.22	7.32	18.94
46		3,3-DIMETHYLPENTANE	0.00		
47	661.56	CYCLOHEXANE	0.16	0.93	19.35
48	668.44	2-METHYLHEXANE	0.26	1.82	19.66
49	670.89	2,3-DIMETHYLPENTANE	0.20	1.38	19.77
50	677.11	3-METHYLHEXANE	0.42	2.95	20.05
51		C7 OLEFIN	0.00		
52	684.67	1,3-DIMETHYLCYCLOPENTANE	0.08	0.56	20.39
53	687.33	3-ETHYLPENTANE	0.10	0.72	20.51
54	692.00	2,2,4-TRIMETHYLPENTANE	0.84	6.74	20.72
55	700.00	n-HEPTANE	0.31	2.18	21.08
56	712.50	C8 OLEFIN	0.22	1.73	21.59
57	725.00	METHYLCYCLOHEXANE	0.38	2.65	22.10
58		C8 PARAFFIN	0.00		
59		2,5-DIMETHYLHEXANE	0.00		
60	736.03	2,4-DIMETHYLHEXANE	0.12	0.93	22.55
61	744.12	C8 PARAFFIN	0.14	1.08	22.88
62		C8 PARAFFIN	0.00		
63		2,3,4-TRIMETHYLPENTANE	0.00		
64	760.05	TOLUENE	2.66	18.63	23.53
65		2,3-DIMETHYLHEXANE	0.00		
66	767.40	2-METHYLHEPTANE	0.16	1.27	23.83
67	775.25	3-METHYLHEPTANE	0.16	1.27	24.15
68		3-ETHYLHEXANE	0.00		
69	780.64	C8 PARAFFIN	0.23	1.85	24.37
70		2,2,5-TRIMETHYLHEXANE	0.00		
71		DIMETHYLCYCLOHEXANE +			
		1-OCTENE	0.00		
72		C8 PARAFFIN	0.00		
73	800.00	n-OCTANE	0.15	1.17	25.16
74	805.90	PERCHLOROETHYLENE	0.98	1.96	25.38
75		C9 PARAFFIN	0.00		
76		DIMETHYLHEPTANE	0.00		
77		C9 PARAFFIN	0.00		
78		C9 PARAFFIN	0.00		
79		2,5-DIMETHYLHEPTANE	0.00		
80		C9 PARAFFIN	0.00		

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
81	857.10	ETHYLBENZENE	0.40	3.20	27.29
82	860.59	C9 OLEFFIN	0.14	1.27	27.42
83	865.42	m&p-XYLENE	1.55	12.43	27.60
84		4-METHYLOCTANE	0.00		
85		3-METHYLOCTANE	0.00		
86	873.73	C9 PARAFFIN	0.10	0.94	27.91
87	883.38	STYRENE	0.18	1.46	28.27
88	889.54	o-XYLENE	0.66	5.24	28.50
89		1-NONENE	0.00		
90	900.00	n-NONANE	0.13	1.21	28.89
91	916.86	C9 PARAFFIN	0.14	1.27	29.47
92		ISOPROPYLBENZENE	0.00		
93		C10 PARAFFIN	0.00		
94		CYCLOOCTANE	0.00		
95		C10 PARAFFIN	0.00		
96		C10 PARAFFIN	0.00		
97		a-PINENE	0.00		
98	937.79	C10 PARAFFIN	0.22	2.20	30.19
99	952.91	n-PROPYLBENZENE	0.10	0.86	30.71
100	959.30	m-ETHYLTOLUENE	0.31	2.76	30.93
101	961.63	p-ETHYLTOLUENE	0.16	1.48	31.01
102	966.57	1,3,5-TRIMETHYLBENZENE	0.24	2.16	31.18
103	968.90	C10 PARAFFIN	0.36	3.63	31.26
104	978.78	o-ETHYLTOLUENE	0.07	0.60	31.60
105	989.53	C10 PARAFFIN	0.14	1.35	31.97
106	993.31	1,2,4-TRIMETHYLBENZENE	0.46	4.13	32.10
107		C10 PARAFFIN	0.00		
108	1000.00	n-DECANE	0.25	2.48	32.33
109	1008.83	SEC-BUTYLBENZENE	0.08	0.82	32.61
110	1019.87	C10 OLEFIN	0.12	1.22	32.96
111	1024.61	1,2,3-TRIMETHYLBENZENE	0.31	2.83	33.11
112		1-METHYL-4-ISOPROPYLBENZENE	0.00		
113	1030.91	C10 PARAFFIN	0.23	2.26	33.31
114	1040.38	C10 AROMATIC	0.14	1.39	33.61
115		n-BUTYLCYCLOHEXANE	0.00		
116	1048.90	1,3-DIETHYLBENZENE	0.19	1.93	33.88
117		C10 AROMATIC	0.00		
118	1056.47	1,4-DIETHYLBENZENE	0.14	1.44	34.12
119		C10 AROMATIC	0.00		
120		C11 PARAFFIN	0.00		

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
121		2,6-DIMETHYLSTYRENE			
122	1078.23	1,3-DIMETHYL-4-ETHYLBENZENE	0.24	2.42	34.81
123	1086.75	C10 AROMATIC	0.23	2.34	35.08
124		C10 AROMATIC	0.00		
125		C10 AROMATIC	0.00		
126	1100.00	n-UNDECANE	0.22	2.47	35.50
127		C10 AROMATIC	0.00		
128		1,2,4,5-TETRAMETHYLBENZENE	0.09	0.90	36.10
129		1,2,3,5-TETRAMETHYLBENZENE	0.09	0.90	36.25
130		C11 PARAFFIN	0.00		
131		C10 AROMATIC	0.00		
132		C10 AROMATIC	0.00		
133		C11 PARAFFIN	0.00		
134		m-DIISOPROPYLBENZENE	0.00		
135		C11 AROMATIC	0.00		
136		1,2,3,4,-TETRAMETHYLBENZENE	0.00		
137		C11 AROMATIC	0.00		
138		C11 AROMATIC	0.00		
139		NAPHTHALENE	0.14	1.38	38.45
140		C11 AROMATIC	0.00		
141		n-DODECANE			

TOTAL	41.74	221.87
TOTAL AROMATICS	9.67	76.62
TOTAL PARAFFINS	18.97	93.51
TOTAL OLEFIN	11.12	39.47
TOTAL FROM #112	2.03	20.26

OILDALE CAN #00292 7/31/91 0600–0800 Sampler #1 TABLE A19

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
1		ACETYLENE	2.35	4.71	2.99
2		ETHYLENE	3.80	7.59	3.06
3		ETHANE	4.23	8.46	3.12
4		PROPENE	0.60	1.80	4.24
5		PROPANE	2.36	7.08	4.37
6		ISOBUTANE	0.48	1.94	6.51
7		BUTENE–1	1.06	4.26	7.66
8		1,3–BUTADIENE	0.00	0.00	
9	400.00	n–BUTANE	2.17	8.67	7.08
10	410.06	trans–2–BUTENE	0.22	0.87	7.55
11	418.63	cis–2–BUTENE	0.85	3.41	7.95
12		C4 OLEFIN	0.00	0.00	
13	460.39	C4 OLEFIN	3.72	14.86	9.90
14		3–METHYL–1–BUTENE	0.00	0.00	
15	472.38	ISOPENTANE	2.66	13.29	10.46
16		1–PENTENE	0.00	0.00	
17		2–METHYL–1–BUTENE	0.00	0.00	
18	500.00	n–PENTANE	1.34	6.70	11.75
19	504.53	ISOPRENE	0.20	0.99	11.97
20		t–2–PENTENE	0.00	0.00	
21		c–2–PENTENE	0.00	0.00	
22	519.14	C5 OLEFIN	0.31	1.54	12.68
23	522.22	2–METHYL–2–BUTENE	0.35	1.75	12.83
24	530.86	C6 PARAFFIN	0.16	0.95	13.25
25		2,2–DIMETHYLBUTANE	0.00	0.00	
				0.00	
26		CYCLOPENTENE	0.00	0.00	
27		4–METHYL–1–PENTENE	0.00	0.00	
28	562.76	CYCLOPENTANE	0.17	0.83	14.80
29	565.02	2,3–DIMETHYLBUTANE	0.29	1.75	14.91
30	569.55	2–METHYLPENTANE	0.82	4.93	15.13
31	574.49	C6 OLEFIN	1.23	7.35	15.37
32	580.25	UNKNOWN	0.69	4.12	15.65
33	583.33	3–METHYLPENTANE	0.61	3.63	15.80
34		2–METHYL–1–PENTENE +		0.00	
		1–HEXENE	0.00	0.00	
35		C6 OLEFIN		0.00	
36	600.00	n–HEXANE	0.60	3.58	16.61
37		t–3–HEXENE	0.00	0.00	
38		t–2–HEXENE	0.00	0.00	
39		C6 OLEFIN	0.00	0.00	
40		C6 OLEFIN	0.00	0.00	

TABLE A19

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
41		C6 OLEFIN		0.00	
42	627.62	METHYLCYCLOPENTANE	0.59	3.55	17.85
43		2,4-DIMETHYLPENTANE	0.00	0.00	
44	636.75	C7-PARAFFIN+TRICHLOROETHANE	0.28	1.97	18.26
45	652.56	BENZENE	1.00	5.99	18.97
46		3,3-DIMETHYLPENTANE	0.00	0.00	
47		CYCLOHEXANE	0.00	0.00	
48	668.60	2-METHYLHEXANE	0.27	1.89	19.69
49	670.82	2,3-DIMETHYLPENTANE	0.21	1.44	19.79
50	677.51	3-METHYLHEXANE	0.61	4.26	20.09
51		C7 OLEFIN	0.00	0.00	
52		1,3-DIMETHYLCYCLOPENTANE	0.00	0.00	
53		3-ETHYLPENTANE	0.00	0.00	
54	690.65	2,2,4-TRIMETHYLPENTANE	0.29	2.30	20.68
55	700.00	n-HEPTANE	0.32	2.23	21.10
56	712.50	C8 OLEFIN	0.27	2.13	21.61
				0.00	
57	725.00	METHYLCYCLOHEXANE	0.40	2.82	22.12
58	744.36	C8 PARAFFIN	0.16	1.25	22.91
59		2,5-DIMETHYLHEXANE	0.00	0.00	
60		2,4-DIMETHYLHEXANE	0.00	0.00	
61		C8 PARAFFIN	0.00	0.00	
62		C8 PARAFFIN	0.00	0.00	
63		2,3,4-TRIMETHYLPENTANE	0.00	0.00	
64	760.05	TOLUENE	2.86	20.03	23.55
65		2,3-DIMETHYLHEXANE	0.00	0.00	
66	767.65	2-METHYLHEPTANE	0.30	2.42	23.86
67	775.25	3-METHYLHEPTANE	0.19	1.54	24.17
68	780.64	3-ETHYLHEXANE	0.43	3.43	24.39
69		C8 PARAFFIN	0.00	0.00	
70		2,2,5-TRIMETHYLHEXANE	0.00	0.00	
71		DIMETHYLCYCLOHEXANE +		0.00	
		1-OCTENE	0.00	0.00	
72		C8 PARAFFIN	0.00	0.00	
73	800.00	n-OCTANE	0.17	1.38	25.18
74	806.17	PERCHLOROETHYLENE	0.86	1.71	25.41
75		C9 PARAFFIN	0.00	0.00	
76		DIMETHYLHEPTANE	0.00	0.00	
77		C9 PARAFFIN	0.00	0.00	
78		C9 PARAFFIN	0.00	0.00	
79		2,5-DIMETHYLHEPTANE	0.00	0.00	
80		C9 PARAFFIN	0.00	0.00	

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
81	857.10	ETHYLBENZENE	0.44	3.53	27.31
82	860.86	C9 OLEFFIN	0.14	1.26	27.45
83	865.42	m&p-XYLENE	1.72	13.75	27.62
84		4-METHYLOCTANE	0.00	0.00	
85		3-METHYLOCTANE	0.00	0.00	
86		C9 PARAFFIN	0.00	0.00	
87	883.38	STYRENE	0.40	3.22	28.29
88	889.54	o-XYLENE	0.74	5.95	28.52
89		1-NONENE	0.00	0.00	
90	900.00	n-NONANE	0.18	1.63	28.91
91	916.91	C9 PARAFFIN	0.14	1.26	29.49
92		ISOPROPYLBENZENE	0.00	0.00	
93		C10 PARAFFIN	0.00	0.00	
94		CYCLOOCTANE	0.00	0.00	
95		C10 PARAFFIN	0.00	0.00	
96		C10 PARAFFIN	0.00	0.00	
97		a-PINENE	0.00	0.00	
98	937.90	C10 PARAFFIN	0.22	2.18	30.21
99		n-PROPYLBENZENE	0.00	0.00	
100	959.18	m-ETHYLTOLUENE	0.36	3.27	30.94
101		p-ETHYLTOLUENE	0.00	0.00	
102	966.76	1,3,5-TRIMETHYLBENZENE	0.33	2.94	31.20
103	986.30	C10 PARAFFIN	0.24	2.40	31.87
104		o-ETHYLTOLUENE	0.00	0.00	
105	989.80	C10 PARAFFIN	0.22	2.20	31.99
106	993.59	1,2,4-TRIMETHYLBENZENE	0.56	5.07	32.12
107		C10 PARAFFIN	0.00	0.00	
108	1000.00	n-DECANE	0.25	2.53	32.34
109		SEC-BUTYLBENZENE	0.00	0.00	
110		C10 OLEFIN	0.00	0.00	
111	1024.84	1,2,3-TRIMETHYLBENZENE	0.28	2.54	33.13
112		1-METHYL-4-ISOPROPYLBENZENE	0.00	0.00	
113		C10 PARAFFIN	0.00	0.00	
114		C10 AROMATIC	0.00	0.00	
115		n-BUTYLCYCLOHEXANE	0.00	0.00	
116		1,3-DIETHYLBENZENE	0.00	0.00	
117		C10 AROMATIC	0.00	0.00	
118	1056.60	1,4-DIETHYLBENZENE	0.15	1.49	34.14
119		C10 AROMATIC	0.00	0.00	
120		C11 PARAFFIN	0.00	0.00	

TABLE A19

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
121		2,6-DIMETHYLSTYRENE		0.00	
122	1078.30	1,3-DIMETHYL-4-ETHYLBENZENE	0.11	1.06	34.83
123	1086.16	C10 AROMATIC	0.22	2.20	35.08
124		C10 AROMATIC	0.00	0.00	
125		C10 AROMATIC	0.00	0.00	
126	1100.00	n-UNDECANE	0.30	3.34	35.52
127		C10 AROMATIC	0.00	0.00	
128		1,2,4,5-TETRAMETHYLBENZENE	0.05	0.52	36.12
129		1,2,3,5-TETRAMETHYLBENZENE	0.05	0.52	36.27
130		C11 PARAFFIN	0.00	0.00	
131		C10 AROMATIC	0.00	0.00	
132		C10 AROMATIC	0.00	0.00	
133		C11 PARAFFIN	0.00	0.00	
134		m-DIISOPROPYLBENZENE	0.00	0.00	
135		C11 AROMATIC	0.00	0.00	
136		1,2,3,4,-TETRAMETHYLBENZENE	0.00	0.00	
137		C11 AROMATIC	0.00	0.00	
138		UNKNOWN	0.23	2.30	38.37
139		NAPHTHALENE	0.22	2.20	38.47
140		C11 AROMATIC		0.00	
141		n-DODECANE		0.00	

TOTAL	48.00	242.70
TOTAL AROMATICS	9.73	76.57
TOTAL PARAFFINS	20.28	96.29
TOTAL OLEFIN	15.62	55.17
TOTAL FROM #112	1.61	16.16

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
1		ACETYLENE	1.07	2.14	2.99
2		ETHYLENE	3.73	7.45	3.05
3		ETHANE	2.11	4.22	3.12
4		PROPENE	0.29	0.87	4.24
5		PROPANE	2.41	7.24	4.37
6		ISOBUTANE	0.60	2.40	6.51
7		BUTENE-1	0.20	0.79	7.65
8		1,3-BUTADIENE	0.00		
9	400.00	n-BUTANE	1.69	6.76	7.07
10	410.06	trans-2-BUTENE	0.12	0.49	7.54
11	418.84	cis-2-BUTENE	0.50	2.00	7.95
12		C4 OLEFIN	0.00		
13	461.03	C4 OLEFIN	0.44	1.76	9.92
14		3-METHYL-1-BUTENE	0.00		
15	472.59	ISOPENTANE	3.48	17.41	10.46
16		1-PENTENE	0.00		
17		2-METHYL-1-BUTENE	0.00		
18	500.00	n-PENTANE	1.40	7.01	11.74
19	504.73	ISOPRENE	0.46	2.28	11.97
20		t-2-PENTENE	0.00		
21		c-2-PENTENE	0.00		
22	519.34	C5 OLEFIN	0.38	1.91	12.68
23	522.22	2-METHYL-2-BUTENE	0.25	1.26	12.82
24		C6 PARAFFIN	0.00		
25		C6 HYDROCARBON	0.00		
26	543.83	CYCLOPENTENE	0.10	0.50	13.87
27		4-METHYL-1-PENTENE	0.00		
28	562.76	CYCLOPENTANE	0.15	0.75	14.79
29	565.02	2,3-DIMETHYLBUTANE	0.19	1.14	14.90
30	569.55	2-METHYLPENTANE	0.71	4.24	15.12
31	574.49	C6 OLEFIN	0.98	5.90	15.36
32	580.45	UNKNOWN	0.29	1.72	15.65
33	583.33	3-METHYLPENTANE	0.49	2.92	15.79
34		2-METHYL-1-PENTENE +			
		1-HEXENE	0.00		
35		C6 OLEFIN			
36	600.00	n-HEXANE	0.51	3.08	16.60
37		t-3-HEXENE	0.00		
38		t-2-HEXENE	0.00		
39		C6 OLEFIN	0.00		
40		C6 OLEFIN	0.00		

TABLE A20 cont

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
41		C6 OLEFIN		0.00	
42	627.84	METHYLCYCLOPENTANE	0.47	2.82	17.85
43	631.18	2,4-DIMETHYLPENTANE	0.10	0.73	18.00
44	636.75	C7-PARAFFIN+TRICHLOROETHANE	0.25	1.77	18.25
45	652.56	BENZENE	0.74	4.46	18.96
46		3,3-DIMETHYLPENTANE	0.00		
47	661.69	CYCLOHEXANE	0.11	0.65	19.37
48	668.60	2-METHYLHEXANE	0.20	1.41	19.68
49	671.05	2,3-DIMETHYLPENTANE	0.14	0.98	19.79
50	677.51	3-METHYLHEXANE	0.43	3.04	20.08
51		C7 OLEFIN	0.00		
52		1,3-DIMETHYLCYCLOPENTANE	0.00		
53	687.53	3-ETHYLPENTANE	0.08	0.59	20.53
54	690.87	2,2,4-TRIMETHYLPENTANE	0.29	2.33	20.68
55	700.00	n-HEPTANE	0.19	1.35	21.09
56	712.71	C8 OLEFFIN	0.17	1.38	21.61
57					
58	725.18	METHYLCYCLOHEXANE	0.22	1.54	22.12
59		C8 PARAFFIN	0.00		
60		2,5-DIMETHYLHEXANE	0.00		
61	736.19	2,4-DIMETHYLHEXANE	0.09	0.68	22.57
62		C8 PARAFFIN	0.00		
63		C8 PARAFFIN	0.00		
64		2,3,4-TRIMETHYLPENTANE	0.00		
65	759.90	TOLUENE	1.74	12.19	23.54
66		2,3-DIMETHYLHEXANE	0.00		
67	767.48	2-METHYLHEPTANE	0.10	0.82	23.85
68	775.31	3-METHYLHEPTANE	0.09	0.70	24.17
69		3-ETHYLHEXANE	0.00		
70	780.44	C8 PARAFFIN	0.17	1.36	24.38
71		2,2,5-TRIMETHYLHEXANE	0.00		
72		DIMETHYLCYCLOHEXANE +			
		1-OCTENE	0.00		
73		C8 PARAFFIN	0.00		
74	800.00	n-OCTANE	0.09	0.68	25.18
75		PERCHLOROETHYLENE	0.00		
76		C9 PARAFFIN	0.00		
77		DIMETHYLHEPTANE	0.00		
78		C9 PARAFFIN	0.00		
79		C9 PARAFFIN	0.00		
80		2,5-DIMETHYLHEPTANE	0.00		
81		C9 PARAFFIN	0.00		

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
82	857.10	ETHYLBENZENE	0.28	2.20	27.31
83		C9 OLEFFIN	0.00		
84	865.42	m&p-XYLENE	0.95	7.57	27.62
85		4-METHYLOCTANE	0.00		
86		3-METHYLOCTANE	0.00		
87		C9 PARAFFIN	0.00		
88	883.91	STYRENE	0.22	1.75	28.31
89	889.28	o-XYLENE	0.47	3.77	28.51
90		1-NONENE	0.00		
91	900.00	n-NONANE	0.06	0.56	28.91
92		C9 PARAFFIN	0.00		
93		ISOPROPYLBENZENE	0.00		
94		C10 PARAFFIN	0.00		
95		CYCLOOCTANE	0.00		
96		C10 PARAFFIN	0.00		
97		C10 PARAFFIN	0.00		
98		a-PINENE	0.00		
99		C10 PARAFFIN	0.00		
100		n-PROPYLBENZENE	0.00		
101	959.18	m-ETHYLTOLUENE	0.22	1.94	30.94
102		p-ETHYLTOLUENE	0.00		
103	966.76	1,3,5-TRIMETHYLBENZENE	0.10	0.92	31.20
104		C10 PARAFFIN	0.00		
105	976.68	o-ETHYLTOLUENE	0.07	0.64	31.54
106	989.50	C10 PARAFFIN	0.29	2.88	31.98
107	993.59	1,2,4-TRIMETHYLBENZENE	0.25	2.23	32.12
108		C10 PARAFFIN	0.00		
109	1000.00	n-DECANE	0.10	1.04	32.34
110		SEC-BUTYLBENZENE	0.00		
111	1019.87	C10 OLEFIN	0.07	0.69	32.97
112	1024.61	1,2,3-TRIMETHYLBENZENE	0.14	1.26	33.12
113		1-METHYL-4-ISOPROPYLBENZENE	0.00		
114		C10 PARAFFIN	0.00		
115		C10 AROMATIC	0.00		
116		n-BUTYLCYCLOHEXANE	0.00		
117		1,3-DIETHYLBENZENE	0.00		
118		C10 AROMATIC	0.00		
119	1056.15	1,4-DIETHYLBENZENE	0.12	1.17	34.12
120		C10 AROMATIC	0.00		
121		C11 PARAFFIN	0.00		

TABLE A20 cont

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
122		2,6-DIMETHYLSTYRENE			
123	1078.55	1,3-DIMETHYL-4-ETHYLBENZENE	0.22	2.19	34.83
124	1086.44	C10 AROMATIC	0.21	2.12	35.08
125		C10 AROMATIC	0.00		
126		C10 AROMATIC	0.00		
127	1100.00	n-UNDECANE	0.17	1.90	35.51
128		C10 AROMATIC	0.00		
129		1,2,4,5-TETRAMETHYLBENZENE	0.11	1.12	36.14
130		1,2,3,5-TETRAMETHYLBENZENE	0.06	0.60	36.29
131		C11 PARAFFIN	0.00		
132		C10 AROMATIC	0.00		
133		C10 AROMATIC	0.00		
134		C11 PARAFFIN	0.00		
135		m-DIISOPROPYLBENZENE	0.00		
136		C11 AROMATIC	0.00		
137		1,2,3,4,-TETRAMETHYLBENZENE	0.00		
138		C11 AROMATIC	0.00		
139		C11 AROMATIC	0.00		
140		NAPHTHALENE	0.13	1.26	38.46
141		C11 AROMATIC	0.00		
142		n-DODECANE	0.00		

TOTAL	32.47	163.53
TOTAL AROMATICS	6.02	47.39
TOTAL PARAFFINS	15.35	72.85
TOTAL OLEFIN	9.31	32.38
TOTAL FROM #113	1.02	10.36

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TABLE A21

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
1		ACETYLENE	1.30	2.60	2.99
2		ETHYLENE	4.32	8.64	3.05
3		ETHANE	2.03	4.06	3.12
4		PROPENE	0.66	1.98	4.23
5		PROPANE	2.93	8.78	4.36
6		ISOBUTANE	0.31	1.23	6.50
7		BUTENE–1	0.31	1.25	7.64
8		1,3–BUTADIENE	0.00		
9	400.00	n–BUTANE	1.91	7.63	7.07
10	410.06	trans–2–BUTENE	0.13	0.53	7.54
11	418.84	cis–2–BUTENE	0.55	2.18	7.95
12		C4 OLEFIN	0.00		
13	461.24	C4 OLEFIN	0.30	1.21	9.93
14	467.45	3–METHYL–1–BUTENE	0.13	0.64	10.22
15	472.59	ISOPENTANE	7.86	39.29	10.46
16		1–PENTENE	0.00		
17		2–METHYL–1–BUTENE	0.00		
18	500.00	n–PENTANE	1.61	8.04	11.74
19		ISOPRENE	0.00		
20		t–2–PENTENE	0.00		
21		c–2–PENTENE	0.00		
22	519.34	C5 OLEFIN	0.20	1.01	12.68
23	522.43	2–METHYL–2–BUTENE	0.24	1.21	12.83
24		C6 PARAFFIN	0.00		
25	543.83	C6 PARAFFIN	0.23	1.17	13.87
26	554.73	CYCLOPENTENE	0.11	0.53	14.40
27		4–METHYL–1–PENTENE	0.00		
28	562.76	CYCLOPENTANE	0.15	0.77	14.79
29	565.23	2,3–DIMETHYLBUTANE	0.21	1.24	14.91
30	569.55	2–METHYLPENTANE	0.78	4.66	15.12
31	574.49	C6 OLEFIN	0.82	4.94	15.36
32	580.45	UNKNOWN	0.32	1.89	15.65
33	583.33	3–METHYLPENTANE	0.79	4.74	15.79
34		2–METHYL–1–PENTENE +			
		1–HEXENE	0.00		
35		C6 OLEFIN			
36	600.00	n–HEXANE	0.56	3.33	16.60
37		t–3–HEXENE	0.00		
38		t–2–HEXENE	0.00		
39		C6 OLEFIN	0.00		
40		C6 OLEFIN	0.00		

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
41		C6 OLEFIN		0.00	
42	627.84	METHYLCYCLOPENTANE	0.54	3.24	17.85
43	631.40	2,4–DIMETHYLPENTANE	0.14	1.00	18.01
44	636.75	C8PARAFFIN+TRICHLOROETHANE	0.29	2.00	18.25
45	652.56	BENZENE	1.05	6.27	18.96
46		3,3–DIMETHYLPENTANE	0.00		
47	661.69	CYCLOHEXANE	0.12	0.71	19.37
48	668.60	2–METHYLHEXANE	0.24	1.67	19.68
49	671.05	2,3–DIMETHYLPENTANE	0.17	1.19	19.79
50	677.51	3–METHYLHEXANE	0.43	3.03	20.08
51		C7 OLEFIN	0.00		
52		1,3–DIMETHYLCYCLOPENTANE	0.00		
53	687.53	3–ETHYLPENTANE	0.08	0.59	20.53
54	691.09	2,2,4–TRIMETHYLPENTANE	0.27	2.18	20.69
55	700.00	n–HEPTANE	0.52	3.67	21.09
56	712.71	C8 HYDROCARBON	0.25	1.99	21.61
57	725.18	METHYLCYCLOHEXANE	0.20	1.37	22.12
58		C8 PARAFFIN	0.00		
59		2,5–DIMETHYLHEXANE	0.00		
60	736.19	2,4–DIMETHYLHEXANE	0.12	0.96	22.57
61		C8 PARAFFIN	0.00		
62	754.03	C8 PARAFFIN	0.11	0.91	23.30
63		2,3,4–TRIMETHYLPENTANE	0.00		
64	759.90	TOLUENE	2.27	15.90	23.54
65		2,3–DIMETHYLHEXANE	0.00		
66	767.48	2–METHYLHEPTANE	0.16	1.30	23.85
67	775.31	3–METHYLHEPTANE	0.13	1.05	24.17
68		3–ETHYLHEXANE	0.00		
69	780.68	C8 PARAFFIN	0.16	1.24	24.39
70		2,2,5–TRIMETHYLHEXANE	0.00		
71		DIMETHYLCYCLOHEXANE +			
		1–OCTENE	0.00		
72		C8 PARAFFIN	0.00		
73	800.00	n–OCTANE	0.10	0.80	25.18
74		PERCHLOROETHYLENE	0.00		
75	818.50	C9 PARAFFIN	0.07	0.66	25.87
76		DIMETHYLHEPTANE	0.00		
77		C9 PARAFFIN	0.00		
78		C9 PARAFFIN	0.00		
79		2,5–DIMETHYLHEPTANE	0.00		

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
80		C9 PARAFFIN		0.00	
81	857.10	ETHYLBENZENE	0.31	2.44	27.31
82		C9 OLEFFIN	0.00		
83	865.42	m&p-XYLENE	1.30	10.41	27.62
84		4-METHYLOCTANE	0.00		
85		3-METHYLOCTANE	0.00		
86		C9 PARAFFIN	0.00		
87	883.65	STYRENE	5.81	46.49	28.30
88	889.28	o-XYLENE	0.47	3.73	28.51
89		1-NONENE	0.00		
90	900.00	n-NONANE	0.06	0.56	28.91
91		C9 PARAFFIN	0.00		
92		ISOPROPYLBENZENE	0.00		
93		C10 PARAFFIN	0.00		
94		CYCLOOCTANE	0.00		
95		C10 PARAFFIN	0.00		
96		C10 PARAFFIN	0.00		
97		a-PINENE	0.00		
98	937.61	C10 PARAFFIN	0.09	0.93	30.20
99	952.77	n-PROPYLBENZENE	0.07	0.64	30.72
100	959.18	m-ETHYLTOLUENE	0.30	2.67	30.94
101	961.81	p-ETHYLTOLUENE	0.16	1.45	31.03
102	966.76	1,3,5-TRIMETHYLBENZENE	0.17	1.57	31.20
103	969.10	C10 PARAFFIN	0.41	4.10	31.28
104	978.72	o-ETHYLTOLUENE	0.12	1.12	31.61
105	989.50	C10 PARAFFIN	0.19	1.86	31.98
106	993.29	1,2,4-TRIMETHYLBENZENE	0.44	3.93	32.11
107		C10 PARAFFIN	0.00		
108	1000.00	n-DECANE	0.16	1.57	32.34
109		SEC-BUTYLBENZENE	0.00		
110		C10 OLEFIN	0.00		
111	1024.61	1,2,3-TRIMETHYLBENZENE	0.25	2.27	33.12
112		1-METHYL-4-ISOPROPYLBENZENE	0.00		
113	1030.91	C10 PARAFFIN	0.21	2.08	33.32
114	1040.38	C10 AROMATIC	0.11	1.08	33.62
115		n-BUTYLCYCLOHEXANE	0.00		
116		1,3-DIETHYLBENZENE	0.00		
117	1049.21	C10 AROMATIC	0.25	2.47	33.90
118	1056.47	1,4-DIETHYLBENZENE	0.12	1.20	34.13
119		C10 AROMATIC	0.00		

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
120		C11 PARAFFIN			
121		2,6-DIMETHYLSTYRENE			
122	1078.23	1,3-DIMETHYL-4-ETHYLBENZENE	0.08	0.80	34.82
123	1086.44	C10 AROMATIC	0.13	1.32	35.08
124		C10 AROMATIC	0.00		
125		C10 AROMATIC	0.00		
126	1100.00	n-UNDECANE	0.15	1.70	35.51
127		C10 AROMATIC	0.00		
128		1,2,4,5-TETRAMETHYLBENZENE	0.08	0.78	36.15
129		1,2,3,5-TETRAMETHYLBENZENE	0.06	0.60	36.26
130		C11 PARAFFIN	0.00		
131		C10 AROMATIC	0.00		
132		C10 AROMATIC	0.00		
133		C11 PARAFFIN	0.00		
134		m-DIISOPROPYLBENZENE	0.00		
135		C11 AROMATIC	0.00		
136		1,2,3,4,-TETRAMETHYLBENZENE	0.00		
137		C11 AROMATIC	0.00		
138		C11 AROMATIC	0.00		
139		NAPHTHALENE	0.12	1.19	38.46
140		C11 AROMATIC			
141		n-DODECANE			
		TOTAL	47.78	264.24	
		TOTAL AROMATICS	13.66	108.33	
		TOTAL PARAFFINS	21.84	109.97	
		TOTAL OLEFIN	10.37	34.51	
		TOTAL FROM #112	1.31	13.22	

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
1		ACETHYLENE	1.19	2.37	2.99
2		ETHYLENE	3.89	7.77	3.05
3		ETHANE	1.82	3.63	3.12
4		PROPENE	0.58	1.74	4.23
5		PROPANE	3.02	9.07	4.36
6		ISOBUTANE	0.75	3.01	6.51
7		BUTENE-1	0.51	2.02	7.66
8		1,3-BUTADIENE	0.00		
9	400.00	n-BUTANE	2.00	7.98	7.08
10	410.06	trans-2-BUTENE	0.18	0.70	7.55
11	419.06	cis-2-BUTENE	0.33	1.31	7.97
12		C4 OLEFIN	0.00		
13	461.24	C4 OLEFIN	0.28	1.11	9.94
14		3-METHYL-1-BUTENE	0.00		
15	472.59	ISOPENTANE	4.54	22.68	10.47
16		1-PENTENE	0.00		
17		2-METHYL-1-BUTENE	0.00		
18	500.00	n-PENTANE	1.42	7.08	11.75
19		ISOPRENE	0.00		
20		t-2-PENTENE	0.00		
21		c-2-PENTENE	0.00		
22	519.30	C5 OLEFIN	0.22	1.11	12.69
23		2-METHYL-2-BUTENE	0.00		
24		C6 PARAFFIN	0.00		
25		2,2-DIMETHYLBUTANE	0.00		
26		CYCLOPENTENE	0.00		
27		4-METHYL-1-PENTENE	0.00		
28	562.63	CYCLOPENTANE	0.16	0.81	14.80
29	565.09	2,3-DIMETHYLBUTANE	0.20	1.21	14.92
30	569.61	2-METHYLPENTANE	0.79	4.72	15.14
31	574.54	C6 OLEFIN	0.55	3.27	15.38
32	580.29	UNKNOWN	0.41	2.48	15.66
33	583.37	3-METHYLPENTANE	0.56	3.34	15.81
34		2-METHYL-1-PENTENE +			
		1-HEXENE	0.00		
35		C6 OLEFIN			
36	600.00	n-HEXANE	0.55	3.30	16.62
37		t-3-HEXENE	0.00		
38		t-2-HEXENE	0.00		
39		C6 OLEFIN	0.00		
40		C6 OLEFIN	0.00		

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
41		C6 OLEFIN			
42	627.84	METHYLCYCLOPENTANE	0.55	3.32	17.87
43	631.18	2,4–DIMETHYLPENTANE	0.11	0.77	18.02
44	636.75	C8 PARAFFIN+TRICHLOROETHANE	0.24	1.65	18.27
45	652.56	BENZENE	1.04	6.21	18.98
46		3,3–DIMETHYLPENTANE	0.00		
47	661.69	CYCLOHEXANE	0.13	0.75	19.39
48	668.37	2–METHYLHEXANE	0.25	1.73	19.69
49	670.82	2,3–DIMETHYLPENTANE	0.16	1.15	19.80
50	677.28	3–METHYLHEXANE	0.40	2.83	20.09
51		C7 OLEFIN	0.00		
52	684.86	1,3–DIMETHYLCYCLOPENTANE	0.07	0.51	20.43
53	687.53	3–ETHYLPENTANE	0.10	0.69	20.55
54	690.65	2,2,4–TRIMETHYLPENTANE	0.31	2.45	20.69
55	700.00	n–HEPTANE	0.22	1.55	21.11
56	712.50	C8 HYDROCARBON	0.45	3.58	21.62
57	725.00	METHYLCYCLOHEXANE	0.20	1.39	22.13
58		C8 PARAFFIN	0.00		
59		2,5–DIMETHYLHEXANE	0.00		
60	736.03	2,4–DIMETHYLHEXANE	0.09	0.71	22.58
61		C8 PARAFFIN	0.00		
62		C8 PARAFFIN	0.00		
63		2,3,4–TRIMETHYLPENTANE	0.00		
64	760.05	TOLUENE	2.19	15.31	23.56
65		2,3–DIMETHYLHEXANE	0.00		
66	767.65	2–METHYLHEPTANE	0.08	0.66	23.87
67	775.25	3–METHYLHEPTANE	0.10	0.79	24.18
68		3–ETHYLHEXANE	0.00		
69	780.64	C8 PARAFFIN	0.12	0.97	24.40
70		2,2,5–TRIMETHYLHEXANE	0.00		
71		DIMETHYLCYCLOHEXANE +			
		1–OCTENE	0.00		
72		C8 PARAFFIN	0.00		
73	800.00	n–OCTANE	0.09	0.68	25.19
74		PERCHLOROETHYLENE	0.00		
75		C9 PARAFFIN	0.00		
76		DIMETHYLHEPTANE	0.00		
77		C9 PARAFFIN	0.00		
78		C9 PARAFFIN	0.00		
79		2,5–DIMETHYLHEPTANE	0.00		
80		C9 PARAFFIN	0.00		

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
81	857.10	ETHYLBENZENE	0.33	2.64	27.32
82		C9 OLEFFIN	0.00		
83	865.42	m&p-XYLENE	1.30	10.36	27.63
84		4-METHYLOCTANE	0.00		
85		3-METHYLOCTANE	0.00		
86		C9 PARAFFIN	0.00		
87	883.91	STYRENE	4.00	32.02	28.32
88	889.54	o-XYLENE	0.45	3.62	28.53
89		1-NONENE	0.00		
90	900.00	n-NONANE	0.06	0.51	28.92
91		C9 PARAFFIN	0.00		
92		ISOPROPYLBENZENE	0.00		
93		C10 PARAFFIN	0.00		
94		CYCLOOCTANE	0.00		
95		C10 PARAFFIN	0.00		
96		C10 PARAFFIN	0.00		
97		a-PINENE	0.00		
98		C10 PARAFFIN	0.00		
99	952.77	n-PROPYLBENZENE	0.07	0.66	30.73
100	959.48	m-ETHYLTOLUENE	0.30	2.70	30.96
101	962.10	p-ETHYLTOLUENE	0.16	1.41	31.05
102	967.06	1,3,5-TRIMETHYLBENZENE	0.16	1.40	31.22
103		C10 PARAFFIN	0.00		
104	979.01	o-ETHYLTOLUENE	0.08	0.74	31.63
105	989.80	C10 PARAFFIN	0.13	1.30	32.00
106	993.59	1,2,4-TRIMETHYLBENZENE	0.49	4.39	32.13
107		C10 PARAFFIN	0.00		
108	1000.00	n-DECANE	0.13	1.30	32.35
109		SEC-BUTYLBENZENE	0.00		
110		C10 OLEFIN	0.00		
111	1024.84	1,2,3-TRIMETHYLBENZENE	0.22	2.02	33.14
112		1-METHYL-4-ISOPROPYLBENZENE	0.00		
113		C10 PARAFFIN	0.00		
114		C10 AROMATIC	0.00		
115		n-BUTYLCYCLOHEXANE	0.00		
116		1,3-DIETHYLBENZENE	0.00		
117		C10 AROMATIC	0.00		
118	1056.60	1,4-DIETHYLBENZENE	0.14	1.35	34.15
119		C10 AROMATIC	0.00		
120		C11 PARAFFIN	0.00		

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
121		2,6-DIMETHYLSTYRENE			
122	1078.30	1,3-DIMETHYL-4-ETHYLBENZENE	0.09	0.90	34.84
123	1086.48	C10 AROMATIC	0.13	1.34	35.10
124		C10 AROMATIC	0.00		
125		C10 AROMATIC	0.00		
126	1100.00	n-UNDECANE	0.16	1.76	35.53
127		C10 AROMATIC	0.00		
128		1,2,4,5-TETRAMETHYLBENZENE	0.08	0.81	36.16
129		1,2,3,5-TETRAMETHYLBENZENE	0.08	0.81	36.28
130		C11 PARAFFIN	0.00		
131		C10 AROMATIC	0.00		
132		C10 AROMATIC	0.00		
133		C11 PARAFFIN	0.00		
134		m-DIISOPROPYLBENZENE	0.00		
135		C11 AROMATIC	0.00		
136		1,2,3,4,-TETRAMETHYLBENZENE	0.00		
137		C11 AROMATIC	0.00		
138		C11 AROMATIC	0.00		
139		NAPHTHALENE	0.12	1.19	38.48
140		C11 AROMATIC			
141		n-DODECANE			

TOTAL	39.47	211.64
TOTAL AROMATICS	11.42	89.88
TOTAL PARAFFINS	17.50	83.03
TOTAL OLEFIN	9.12	30.00
TOTAL FROM #112	0.80	8.16

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TABLE A23

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
1		ACETYLENE	22.50	45.00	3.01
2		ETHYLENE	50.55	101.10	3.07
3		ETHANE	27.45	54.90	3.15
4		PROPENE	10.90	32.70	4.25
5		PROPANE	22.40	67.20	4.38
6		ISOBUTANE	5.93	23.70	6.51
7		BUTENE–1	4.20	16.80	7.66
8		1,3–BUTADIENE	0.00		
9	400.00	n–BUTANE	18.18	72.70	8.97
10	409.27	trans–2–BUTENE	1.45	5.78	9.30
11	421.63	cis–2–BUTENE	1.20	4.80	9.74
12	452.53	C4 OLEFIN	0.72	2.87	10.84
13	457.87	C4 OLEFIN	0.50	1.98	11.03
14	464.61	3–METHYL–1–BUTENE	0.21	1.06	11.27
15	470.79	ISOPENTANE	30.04	150.18	11.49
16	487.36	1–PENTENE	1.30	6.49	12.08
17	495.22	2–METHYL–1–BUTENE	1.21	6.04	12.36
18	500.00	n–PENTANE	14.33	71.66	12.53
19	504.42	ISOPRENE	0.56	2.79	12.72
20	507.44	t–2–PENTENE	2.00	10.01	12.85
21	514.88	c–2–PENTENE	1.14	5.68	13.17
22	519.53	C5 OLEFIN	3.96	19.78	13.37
23		2–METHYL–2–BUTENE	0.00	0.00	
24	529.07	C6 PARAFFIN	0.28	1.67	13.78
25	534.19	2,2–DIMETHYLBUTANE	0.91	5.45	14.00
26	542.09	C6 HYDROCARBON	0.22	1.30	14.34
27	551.40	CYCLOPENTENE	0.57	2.84	14.74
28	555.35	C6 HYDROCARBON	0.38	2.30	14.91
29	562.09	CYCLOPENTANE	1.63	8.13	15.20
30	564.19	2,3–DIMETHYLBUTANE	2.70	16.17	15.29
31	568.37	2–METHYLPENTANE	9.33	55.98	15.47
32	573.49	C6 OLEFIN	0.72	4.30	15.69
33	579.07	UNKNOWN	0.42	2.51	15.93
34	582.79	3–METHYLPENTANE	5.71	34.27	16.09
35	588.60	2–METHYL–1–PENTENE + 1–HEXENE	0.68	4.05	16.34
36		C6 OLEFIN	0.00	0.00	
37	600.00	n–HEXANE	5.47	32.81	16.83
38	604.65	t–3–HEXENE	0.61	3.66	17.03
39	606.98	t–2–HEXENE	0.57	3.41	17.13
40	610.23	C6 OLEFIN	0.51	3.03	17.27
41	614.19	C6 OLEFIN	0.38	2.28	17.44

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
42	620.23	C6 OLEFIN	0.56	3.38	17.70
43	627.91	METHYLCYCLOPENTANE	5.19	31.15	18.03
44	630.70	2,4–DIMETHYLPENTANE	1.88	13.13	18.15
45	636.74	2,3,3–TRIMETHYL–1–BUTENE + 1,1,1–TRICHLOROETHANE	2.81	19.67	18.41
46	650.47	C7 HYDROCARBON	0.42	2.95	19.00
47	652.56	BENZENE	11.14	66.86	19.09
48	656.98	C7 HYDROCARBON	0.16	1.15	19.28
49	661.86	CYCLOHEXANE	1.25	7.52	19.49
50	668.14	2–METHYLHEXANE	2.80	19.57	19.76
51	670.70	2,3–DIMETHYLPENTANE	3.02	21.16	19.87
52	676.74	3–METHYLHEXANE	3.19	22.36	20.13
53		C7 OLEFIN	0.00	0.00	
54	684.88	1,3–DIMETHYLCYCLOPENTANE	0.88	6.18	20.48
55	687.67	3–ETHYLPENTANE	1.07	7.47	20.60
56	690.93	2,2,4–TRIMETHYLPENTANE	4.99	39.92	20.74
57	697.91	C7 OLEFIN	0.13	0.91	21.04
58	700.00	n–HEPTANE	2.14	14.97	21.13
59	702.24	C8 OLEFIN	0.36	2.90	21.22
60	712.69	C8 HYDROCARBON	0.46	3.64	21.64
61	725.37	METHYLCYCLOHEXANE	2.35	16.42	22.15
62		C8 PARAFFIN	0.00	0.00	
63	733.33	2,5–DIMETHYLHEXANE	0.58	4.67	22.47
64	736.07	2,4–DIMETHYLHEXANE	1.15	9.19	22.58
65	744.28	C8 PARAFFIN	0.30	2.37	22.91
66		C8 PARAFFIN	0.00	0.00	
67	753.98	2,3,4–TRIMETHYLPENTANE	1.66	13.30	23.30
68	760.20	TOLUENE	22.44	157.07	23.55
69	762.94	2,3–DIMETHYLHEXANE	0.77	6.19	23.66
70	767.41	2–METHYLHEPTANE	0.99	7.91	23.84
71	772.89	C8 HYDROCARBON	0.18	1.43	24.06
72	775.37	3–METHYLHEPTANE	1.08	8.66	24.16
73		3–ETHYLHEXANE	0.00	0.00	
74	782.84	C8 PARAFFIN	0.41	3.29	24.46
75	786.32	2,2,5–TRIMETHYLHEXANE	0.52	4.71	24.60
76	792.04	DIMETHYLCYCLOHEXANE + 1–OCTENE	0.23	1.86	24.83
77	794.03	C8 PARAFFIN	0.19	1.54	24.91
78	800.00	n–OCTANE	0.80	6.42	25.15

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
79	803.50	C8 HYDROCARBON	0.19	1.48	25.28
80	807.28	PERCHLOROETHYLENE	4.49	8.97	25.42
81	810.24	C9 PARAFFIN	0.29	2.59	25.53
82		DIMETHYLHEPTANE	0.00	0.00	
83	818.87	C9 PARAFFIN	0.29	2.57	25.85
84	831.81	C9 PARAFFIN	0.18	1.62	26.33
85	839.08	2,5-DIMETHYLHEPTANE	0.45	4.09	26.60
86	845.55	C9 PARAFFIN	0.13	1.19	26.84
87	857.14	ETHYLBENZENE	3.35	26.77	27.27
88	860.65	C9 OLEFFIN	0.22	1.98	27.40
89	865.50	m&p-XYLENE	13.84	110.75	27.58
90		4-METHYLOCTANE	0.00	0.00	
91		3-METHYLOCTANE	0.00	0.00	
92	874.12	C9 PARAFFIN	0.41	3.73	27.90
93	884.10	STYRENE	0.74	5.92	28.27
94	889.49	o-XYLENE	4.92	39.33	28.47
95		1-NONENE	0.00	0.00	
96	900.00	n-NONANE	0.76	6.88	28.86
97	916.33	C9 PARAFFIN	1.84	16.57	29.42
98	921.87	ISOPROPYLBENZENE	2.32	20.92	29.61
99	927.70	C10 PARAFFIN	1.45	14.45	29.81
100	930.90	CYCLOOCTANE	2.31	18.49	29.92
101	937.61	C10 PARAFFIN	2.64	26.37	30.15
102		C10 PARAFFIN	0.00	0.00	
103		a-PINENE	0.00	0.00	
104		C10 PARAFFIN	0.00	0.00	
105	952.77	n-PROPYLBENZENE	3.92	35.24	30.67
106	959.18	m-ETHYLTOLUENE	4.31	38.80	30.89
107	961.81	p-ETHYLTOLUENE	1.71	17.10	30.98
108	966.76	1,3,5-TRIMETHYLBENZENE	1.30	11.67	31.15
109	973.47	C10 PARAFFIN	0.29	2.88	31.38
110	979.01	o-ETHYLTOLUENE	0.98	8.78	31.57
111	989.80	C10 PARAFFIN	0.60	5.98	31.94
112	993.59	1,2,4-TRIMETHYLBENZENE	4.29	38.63	32.07
113		C10 PARAFFIN	0.00	0.00	
114	1000.00	n-DECANE	0.83	8.29	32.29
115	1009.15	SEC-BUTYLBENZENE	0.49	4.90	32.58
116	1019.87	C10 OLEFIN	0.52	5.22	32.92
117	1022.40	UNKNOWN	0.32	2.88	33.00
118	1024.92	1,2,3-TRIMETHYLBENZENE	1.60	14.42	33.08

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
119		1-METHYL-4-ISOPROPYLBENZENE	0.00	0.00	
120	1031.23	C10 PARAFFIN	0.31	3.14	33.28
121	1039.75	C10 AROMATIC	0.63	6.33	33.55
122	1043.53	n-BUTYLCYCLOHEXANE	0.24	2.40	33.67
123	1048.58	1,3-DIETHYLBENZENE	0.63	6.30	33.83
124	1051.10	C10 AROMATIC	0.56	5.58	33.91
125	1056.78	1,4-DIETHYLBENZENE	1.04	10.38	34.09
126	1063.09	UNKNOWN	0.23	2.10	34.29
127	1066.25	C10 AROMATIC	0.19	1.90	34.39
128	1069.40	C11 PARAFFIN	0.29	3.17	34.49
129	1072.87	2,6-DIMETHYLSTYRENE	0.27	2.67	34.60
130	1078.23	1,3-DIMETHYL-4-ETHYLBENZENE	0.79	7.89	34.77
131	1086.44	C10 AROMATIC	0.74	7.42	35.03
132	1092.43	C10 AROMATIC	0.23	2.27	35.22
133		C10 AROMATIC	0.00	0.00	
134	1100.00	n-UNDECANE	0.69	7.58	35.46
135	888.49	C10 AROMATIC	0.24	2.41	35.76
136	887.46	1,2,4,5-TETRAMETHYLBENZENE	0.33	3.29	36.09
137	1000.00	1,2,3,5-TETRAMETHYLBENZENE	0.34	3.44	36.22
138		C11 PARAFFIN	0.11	1.22	36.38
139		C10 AROMATIC	0.15	1.50	36.56
140		C10 AROMATIC	0.37	3.70	36.87
141		C11 PARAFFIN	0.00	0.00	
142		m-DIISOPROPYLBENZENE	0.00	0.00	
143		C11 AROMATIC	0.32	3.53	37.21
144		1,2,3,4,-TETRAMETHYLBENZENE	0.00	0.00	
145		C11 AROMATIC	0.15	1.61	37.61
146		C11 AROMATIC	0.00	0.00	
147		NAPHTHALENE	0.33	3.97	38.41
148		C11 AROMATIC	0.00	0.00	
149		n-DODECANE	0.00	0.00	

TOTAL	399.02	2020.56
TOTAL AROMATICS	84.70	671.55
TOTAL PARAFFINS	194.85	983.50
TOTAL OLEFIN	115.58	348.96
TOTAL FROM #119	9.18	93.80

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
1		ACETYLENE	17.10	34.20	3.00
2		ETHYLENE	58.40	116.80	3.07
3		ETHANE	36.08	72.16	3.14
4		PROPENE	7.17	21.52	4.25
5		PROPANE	46.27	138.80	4.38
6		ISOBUTANE	10.00	40.00	6.52
7		BUTENE-1	3.33	13.30	6.76
8		1,3-BUTADIENE	0.00	0.00	
9	400.00	n-BUTANE	23.03	92.10	7.09
10	410.09	trans-2-BUTENE	0.45	1.80	7.56
11	423.39	cis-2-BUTENE	0.43	1.73	8.18
12	454.72	C4 OLEFIN	0.36	1.43	9.64
13	461.16	C4 OLEFIN	0.64	2.57	9.94
14	467.60	3-METHYL-1-BUTENE	0.31	1.53	10.24
15	472.53	ISOPENTANE	23.79	118.97	10.47
16	488.41	1-PENTENE	0.72	3.62	11.21
17	495.92	2-METHYL-1-BUTENE	0.43	2.13	11.56
18	500.00	n-PENTANE	11.97	59.84	11.75
19	504.73	ISOPRENE	0.33	1.67	11.98
20	508.44	t-2-PENTENE	0.57	2.87	12.16
21	515.84	c-2-PENTENE	0.31	1.57	12.52
22	519.34	C5 OLEFIN	1.72	8.62	12.69
23	520.58	2-METHYL-2-BUTENE	0.80	3.99	12.75
24	530.86	C6 PARAFFIN	0.25	1.50	13.25
25	535.19	2,2-DIMETHYLBUTANE	0.47	2.82	13.46
26	543.83	CYCLOPENTENE	0.37	1.86	13.88
27		4-METHYL-1-PENTENE	0.00	0.00	
28	562.76	CYCLOPENTANE	1.35	6.76	14.80
29	565.02	2,3-DIMETHYLBUTANE	2.04	12.25	14.91
30	569.55	2-METHYLPENTANE	6.94	41.64	15.13
31	574.69	C6 OLEFIN	1.22	7.29	15.38
32	580.45	UNKNOWN	0.36	2.16	15.66
33	583.33	3-METHYLPENTANE	4.52	27.09	15.80
34		2-METHYL-1-PENTENE +			
	589.30	1-HEXENE	0.33	1.99	16.09
35		C6 OLEFIN		0.00	
36	600.00	n-HEXANE	4.69	28.13	16.61
37		t-3-HEXENE	0.00	0.00	
38	607.35	t-2-HEXENE	0.14	0.81	16.94
39		C6 OLEFIN	0.00	0.00	
40	620.71	C6 OLEFIN	0.25	1.50	17.54

TABLE A24 cont

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
41	624.94	C6 OLEFIN	0.20	1.21	17.73
42	627.62	METHYLCYCLOPENTANE	4.25	25.47	17.85
43	631.18	2,4–DIMETHYLPENTANE	.44	10.11	18.01
44		2,3,3–TRIMETHYL–1–BUTENE +			
	636.75	1,1,1–TRICHLOROETHANE	5.52	38.61	18.26
45	652.34	BENZENE	8.31	49.83	18.96
46		3,3–DIMETHYLPENTANE	0.00	0.00	
47	661.47	CYCLOHEXANE	1.11	6.65	19.37
48	668.37	2–METHYLHEXANE	2.17	15.18	19.68
49	670.82	2,3–DIMETHYLPENTANE	2.44	17.06	19.79
50	677.06	3–METHYLHEXANE	2.62	18.32	20.07
51		C7 OLEFIN	0.00	0.00	
52	684.86	1,3–DIMETHYLCYCLOPENTANE	0.75	5.24	20.42
53	687.53	3–ETHYLPENTANE	0.94	6.56	20.54
54	690.87	2,2,4–TRIMETHYLPENTANE	3.80	30.38	20.69
55	700.00	n–HEPTANE	2.05	14.36	21.10
56		C8 OLEFIN	0.00	0.00	
57	725.00	METHYLCYCLOHEXANE	2.50	17.50	22.12
58		C8 PARAFFIN	0.00	0.00	
59	733.33	2,5–DIMETHYLHEXANE	0.46	3.67	22.46
60	736.03	2,4–DIMETHYLHEXANE	0.99	7.95	22.57
61	744.36	C8 PARAFFIN	0.33	2.61	22.91
62	751.72	C8 PARAFFIN	0.26	2.10	23.21
63	753.92	2,3,4–TRIMETHYLPENTANE	1.10	8.77	23.30
64	760.05	TOLUENE	19.62	137.31	23.55
65	762.99	2,3–DIMETHYLHEXANE	0.57	4.57	23.67
66	767.40	2–METHYLHEPTANE	0.91	7.24	23.85
67	775.25	3–METHYLHEPTANE	0.86	6.88	24.17
68	780.64	C8 PARAFFIN	0.16	1.26	24.39
69	782.60	C8 PARAFFIN	0.45	3.62	24.47
70	786.27	2,2,5–TRIMETHYLHEXANE	0.30	2.74	24.62
71		DIMETHYLCYCLOHEXANE +			
	791.67	1–OCTENE	0.17	1.37	24.84
72		C8 PARAFFIN	0.00	0.00	
73	800.00	n–OCTANE	0.77	6.15	25.18
74	806.97	PERCHLOROETHYLENE	3.78	7.56	25.44
75	809.92	C9 PARAFFIN	0.21	1.90	25.55
76		DIMETHYLHEPTANE	0.00	0.00	
77	819.03	C9 PARAFFIN	0.19	1.75	25.89
78	831.64	C9 PARAFFIN	0.18	1.61	26.36
79	839.41	2,5–DIMETHYLHEPTANE	0.44	3.92	26.65
80	845.31	C9 PARAFFIN	0.22	1.99	26.87

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
81	857.10	ETHYLBENZENE	2.56	20.49	27.31
82	860.59	C9 OLEFFIN	0.25	2.24	27.44
83	865.42	m&p-XYLENE	8.89	71.13	27.62
84		4-METHYLOCTANE	0.00	0.00	
85		3-METHYLOCTANE	0.00	0.00	
86	873.99	C9 PARAFFIN	0.36	3.20	27.94
87	883.91	STYRENE	0.61	4.89	28.31
88	889.28	o-XYLENE	3.38	27.02	28.51
89		1-NONENE	0.00	0.00	
90	900.00	n-NONANE	0.52	4.64	28.91
91	916.33	C9 PARAFFIN	0.30	2.70	29.47
92	921.87	ISOPROPYLBENZENE	0.35	3.13	29.66
93	927.70	C10 PARAFFIN	0.14	1.38	29.86
94	930.61	CYCLOOCTANE	0.27	2.13	29.96
95	937.61	C10 PARAFFIN	0.33	3.32	30.20
96		C10 PARAFFIN	0.00	0.00	
97		a-PINENE	0.00	0.00	
98		C10 PARAFFIN	0.00	0.00	
99	952.77	n-PROPYLBENZENE	0.80	7.20	30.72
100	959.18	m-ETHYLTOLUENE	2.28	20.52	30.94
101	961.81	p-ETHYLTOLUENE	1.18	10.64	31.03
102	966.76	1,3,5-TRIMETHYLBENZENE	1.03	9.24	31.20
103	973.47	C10 PARAFFIN	0.50	5.04	31.43
104	979.01	o-ETHYLTOLUENE	0.92	8.25	31.62
105	989.80	C10 PARAFFIN	0.46	4.63	31.99
106	993.59	1,2,4-TRIMETHYLBENZENE	3.00	27.02	32.12
107		C10 PARAFFIN	0.00	0.00	
108	1000.00	n-DECANE	0.93	9.25	32.34
109	1009.15	SEC-BUTYLBENZENE	0.41	4.05	32.63
110	1019.87	C10 OLEFIN	0.38	3.80	32.97
111	1024.92	1,2,3-TRIMETHYLBENZENE	1.55	13.96	33.13
112		1-METHYL-4-ISOPROPYLBENZENE	0.00	0.00	
113	1030.91	C10 PARAFFIN	0.22	2.23	33.32
114	1039.75	C10 AROMATIC	0.52	5.20	33.60
115	1043.53	n-BUTYLCYCLOHEXANE	0.27	2.65	33.72
116	1048.58	1,3-DIETHYLBENZENE	0.38	3.76	33.88
117	1051.10	C10 AROMATIC	0.43	4.29	33.96
118	1056.47	1,4-DIETHYLBENZENE	0.77	7.66	34.13
119	1063.09	C10 AROMATIC	0.19	1.87	34.34

TABLE A24 cont

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
120	1066.25	C10 AROMATIC	0.20	1.99	34.44
121	1069.40	C11 PARAFFIN	0.19	2.14	34.54
122	1073.19	C10 AROMATIC	0.25	2.48	34.66
123	1078.23	1,3–DIMETHYL–4–ETHYLBENZENE	0.56	5.56	34.82
124	1086.44	C10 AROMATIC	0.58	5.81	35.08
125	1092.43	C10 AROMATIC	0.18	1.77	35.27
126		C10 AROMATIC	0.00	0.00	
127	1100.00	n–UNDECANE	0.78	8.53	35.51
128		C10 AROMATIC	0.26	2.56	35.82
129		1,2,4,5–TETRAMETHYLBENZENE	0.31	3.05	36.14
130		1,2,3,5–TETRAMETHYLBENZENE	0.31	3.09	36.27
131		C11 PARAFFIN	0.12	1.31	36.44
132		C10 AROMATIC	0.17	1.70	36.61
133		C10 AROMATIC	0.37	3.68	36.93
134		C11 PARAFFIN	0.00	0.00	
135		m–DIISOPROPYLBENZENE	0.00	0.00	
136		C11 AROMATIC	0.49	5.42	37.27
137		1,2,3,4,–TETRAMETHYLBENZENE	0.00	0.00	
138		C11 AROMATIC	0.17	1.82	37.66
139		C11 AROMATIC	0.56	6.11	38.35
140		NAPHTHALENE	0.45	4.54	38.46
141		C11 AROMATIC	0.00	0.00	
142		n–DODECANE	0.00	0.00	

TOTAL	377.25	1707.56
Total Aromatics	61.53	63.33
Total Paraffins	198.74	200.68
Total Olefins	103.61	103.61
Other	15.45	15.45
Total from #112	8.30	85.09

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
1		ACETYLENE	12.05	24.10	2.99
2		ETHYLENE	38.60	77.20	3.05
3		ETHANE	28.60	57.20	3.12
4		PROPENE	6.57	19.70	4.23
5		PROPANE	24.70	74.10	4.36
6		ISOBUTANE	6.03	24.10	6.50
7		BUTENE-1	2.43	9.70	6.71
8		1,3-BUTADIENE	0.00	0.00	
9	400.00	n-BUTANE	17.69	70.76	7.04
10	410.09	trans-2-BUTENE	1.01	4.05	7.51
11	423.18	cis-2-BUTENE	0.91	3.65	8.12
12	454.72	C4 OLEFIN	0.40	1.58	9.59
13	461.16	C4 OLEFIN	0.62	2.46	9.89
14	467.60	3-METHYL-1-BUTENE	0.18	0.90	10.19
15	472.53	ISOPENTANE	23.32	116.60	10.42
16	488.41	1-PENTENE	0.95	4.75	11.16
17	495.71	2-METHYL-1-BUTENE	0.82	4.12	11.50
18	500.00	n-PENTANE	11.81	59.07	11.70
19	504.53	ISOPRENE	0.45	2.27	11.92
20	508.44	t-2-PENTENE	1.46	7.31	12.11
21	515.84	c-2-PENTENE	0.80	4.01	12.47
22	520.58	C5 OLEFIN	2.27	11.35	12.70
23	522.43	2-METHYL-2-BUTENE	0.57	2.83	12.79
24	532.72	C6 PARAFFIN	0.34	2.06	13.29
25	535.19	C6 HYDROCARBON	0.46	2.75	13.41
26	543.83	CYCLOPENTENE	0.17	1.02	13.83
27	552.06	C6 HYDROCARBON	0.39	1.93	14.23
28		4-METHYL-1-PENTENE	0.00	0.00	
29	562.76	CYCLOPENTANE	1.37	6.83	14.75
30	565.02	2,3-DIMETHYLBUTANE	1.91	11.45	14.86
31	569.55	2-METHYLPENTANE	6.61	39.68	15.08
32	574.69	C6 OLEFIN	1.03	6.16	15.33
33	580.45	UNKNOWN	0.35	2.07	15.61
34	583.33	3-METHYLPENTANE	4.29	25.74	15.75
35	589.30	2-METHYL-1-PENTENE + 1-HEXENE	0.47	2.84	16.04
36		C6 OLEFIN			
37	600.00	n-HEXANE	4.23	25.40	16.56
38	604.90	t-3-HEXENE	0.37	2.22	16.78
39	607.35	t-2-HEXENE	0.42	2.49	16.89
40	610.69	C6 OLEFIN	0.34	2.06	17.04
41	614.48	C6 OLEFIN	0.18	1.09	17.21

TABLE A25 cont

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
42	620.71	C6 OLEFIN	0.45	2.68	17.49
43	627.62	METHYLCYCLOPENTANE	4.28	25.67	17.80
44	631.18	2,4-DIMETHYLPENTANE	1.57	9.43	17.96
45		C8 PARAFFIN+TRICHLOROETH	2.14	12.86	
46	652.56	BENZENE	7.77	46.61	18.92
47		3,3-DIMETHYLPENTANE	0.00	0.00	
48	661.47	CYCLOHEXANE	1.11	6.64	19.32
49	668.37	2-METHYLHEXANE	2.37	14.20	19.63
50	670.82	2,3-DIMETHYLPENTANE	2.55	15.31	19.74
51	677.06	3-METHYLHEXANE	2.83	16.95	20.02
52		C7 OLEFIN	0.00	0.00	
53	684.86	1,3-DIMETHYLCYCLOPENTANE	0.87	5.24	20.37
54	687.53	3-ETHYLPENTANE	1.02	6.11	20.49
55	690.65	2,2,4-TRIMETHYLPENTANE	5.48	32.89	20.63
56	700.00	n-HEPTANE	1.61	11.30	21.05
57	712.50	C8 OLEFIN	0.53	4.21	21.56
58	725.25	METHYLCYCLOHEXANE	1.60	11.20	22.08
59		C8 PARAFFIN	0.00	0.00	
60	733.33	2,5-DIMETHYLHEXANE	0.61	4.90	22.41
61	736.03	2,4-DIMETHYLHEXANE	0.64	5.10	22.52
62	744.36	C8 PARAFFIN	0.25	2.00	22.86
63	751.72	C8 PARAFFIN	0.24	1.90	23.16
64	753.92	2,3,4-TRIMETHYLPENTANE	1.11	8.90	23.25
65	760.05	TOLUENE	13.79	96.50	23.50
66	762.99	2,3-DIMETHYLHEXANE	0.31	2.50	23.62
67	767.65	2-METHYLHEPTANE	0.36	2.90	23.81
68	775.25	3-METHYLHEPTANE	0.49	3.90	24.12
69	780.64	C8 PARAFFIN	0.41	3.30	24.34
70	782.60	C8 PARAFFIN	0.44	3.50	24.42
71	786.27	2,2,5-TRIMETHYLHEXANE	0.41	3.70	24.57
72	791.67	DIMETHYLCYCLOHEXANE + 1-OCTENE	0.20	1.60	24.79
73		C8 PARAFFIN	0.00	0.00	
74	800.00	n-OCTANE	0.53	4.20	25.13
75	806.97	PERCHLOROETHYLENE	1.75	3.50	25.39
76	809.92	C9 PARAFFIN	0.47	4.21	25.50
77		DIMETHYLHEPTANE	0.00	0.00	
78	819.03	C9 PARAFFIN	0.18	1.62	25.84
79	831.64	C9 PARAFFIN	0.13	1.20	26.31
80	839.14	2,5-DIMETHYLHEPTANE	0.33	2.95	26.59
81	845.31	C9 PARAFFIN	0.16	1.41	26.82

TABLE A25 cont

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
82	857.10	ETHYLBENZENE	2.20	17.56	27.26
83	860.59	C9 OLEFFIN	0.16	1.47	27.39
84	865.42	m&p-XYLENE	9.06	72.51	27.57
85		4-METHYLOCTANE	0.00	0.00	
86		3-METHYLOCTANE	0.00	0.00	
87	873.99	C9 PARAFFIN	0.27	2.40	27.89
88	883.91	STYRENE	0.61	4.87	28.26
89	889.28	o-XYLENE	3.20	25.60	28.46
90		1-NONENE	0.00	0.00	
91	900.00	n-NONANE	0.41	3.71	28.86
92	916.33	C9 PARAFFIN	0.20	1.78	29.42
93	921.57	ISOPROPYLBENZENE	0.28	2.52	29.60
94		C10 PARAFFIN	0.00	0.00	
95		CYCLOOCTANE	0.00	0.00	
96	937.61	C10 PARAFFIN	0.24	2.36	30.15
97		C10 PARAFFIN	0.00	0.00	
98		a-PINENE	0.00	0.00	
99		C10 PARAFFIN	0.00	0.00	
100	952.77	n-PROPYLBENZENE	0.51	4.60	30.67
101	959.18	m-ETHYLTOLUENE	2.13	19.14	30.89
102	961.81	p-ETHYLTOLUENE	1.01	9.08	30.98
103	966.76	1,3,5-TRIMETHYLBENZENE	1.15	10.32	31.15
104	973.47	C10 PARAFFIN	0.24	2.43	31.38
105	979.01	o-ETHYLTOLUENE	0.68	6.13	31.57
106	989.80	C10 PARAFFIN	0.43	4.33	31.94
107	993.59	1,2,4-TRIMETHYLBENZENE	2.99	26.88	32.07
108		C10 PARAFFIN	0.00	0.00	
109	1000.00	n-DECANE	0.54	5.37	32.29
110	1009.06	SEC-BUTYLBENZENE	0.48	4.82	32.58
111	1019.69	C10 OLEFIN	0.31	3.12	32.92
112	1024.38	1,2,3-TRIMETHYLBENZENE	1.36	12.27	33.07
113		1-METHYL-4-ISOPROPYLBENZENE	0.00	0.00	
114	1030.94	C10 PARAFFIN	0.21	2.08	33.28
115	1039.38	C10 AROMATIC	0.47	4.67	33.55
116	1043.44	n-BUTYLCYCLOHEXANE	0.18	1.79	33.68
117	1048.13	1,3-DIETHYLBENZENE	0.44	4.36	33.83
118	1050.63	C10 AROMATIC	0.44	4.36	33.91
119	1056.25	1,4-DIETHYLBENZENE	0.87	8.71	34.09
120	1065.63	C10 AROMATIC	0.17	1.66	34.39
121	1068.75	C11 PARAFFIN	0.21	2.35	34.49

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
122	1072.50	2,6-DIMETHYLSTYRENE	0.28	2.76	34.61
123	1077.50	1,3-DIMETHYL-4-ETHYLBENZENE	0.49	4.86	34.77
124	1085.62	C10 AROMATIC	0.68	6.78	35.03
125	1091.25	C10 AROMATIC	0.20	1.99	35.21
126		C10 AROMATIC	0.00	0.00	
127	1100.00	n-UNDECANE	0.70	7.65	35.47
128		C10 AROMATIC	0.28	2.82	35.77
129		1,2,4,5-TETRAMETHYLBENZENE	0.29	2.93	36.09
130		1,2,3,5-TETRAMETHYLBENZENE	0.30	3.02	36.22
131		C11 PARAFFIN	0.10	1.10	36.38
132		C10 AROMATIC	0.00	0.00	
133		C10 AROMATIC	0.32	3.16	36.88
134		C11 PARAFFIN	0.00	0.00	
135		m-DIISOPROPYLBENZENE	0.00	0.00	
136		C11 AROMATIC	0.34	3.76	37.22
137		1,2,3,4,-TETRAMETHYLBENZENE	0.00	0.00	
138		C11 AROMATIC	0.13	1.41	37.76
139		C11 AROMATIC	0.00	0.00	
140		NAPHTHALENE	0.44	4.38	38.41
141		C11 AROMATIC	0.00	0.00	
142		n-DODECANE	0.00	0.00	

TOTAL	300.10	1418.56
TOTAL AROMATICS	53.32	421.04
TOTAL PARAFFINS	148.01	640.34
TOTAL OLEFIN	89.39	297.54
TOTAL FROM #113	7.51	76.60

LOS ANGELES CAN #00341 8/22/91 1000-12000 -- TABLE A26

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
1		ACETYLENE	12.25	24.50	2.99
2		ETHYLENE	45.15	90.30	3.05
3		ETHANE	23.95	47.90	3.13
4		PROPENE	7.87	23.60	4.23
5		PROPANE	37.70	113.10	4.36
6		ISOBUTANE	9.63	38.50	7.26
7		BUTENE-1	2.88	11.50	8.98
8		1,3-BUTADIENE	0.33	1.30	9.09
9	400.00	n-BUTANE	22.38	89.50	9.23
10	409.06	trans-2-BUTENE	0.39	1.57	9.54
11	421.35	cis-2-BUTENE	0.35	1.38	9.96
12	452.05	C4 OLEFIN	0.44	1.74	11.01
13	457.31	C4 OLEFIN	0.38	1.50	11.19
14	464.04	3-METHYL-1-BUTENE	0.25	1.23	11.42
15	470.96	ISOPENTANE	22.79	113.93	11.66
16	487.13	1-PENTENE	0.65	3.26	12.21
17	495.03	2-METHYL-1-BUTENE	0.46	2.30	12.48
18	500.00	n-PENTANE	12.55	62.77	12.65
19	504.49	ISOPRENE	0.18	0.90	12.84
20	507.33	t-2-PENTENE	0.38	1.90	12.96
21	514.66	c-2-PENTENE	0.25	1.23	13.27
22	517.73	C5 OLEFIN	0.99	4.95	13.40
23	519.39	2-METHYL-2-BUTENE	0.89	4.46	13.47
24	528.84	C6 PARAFFIN	0.28	1.69	13.87
25	534.04	2,2-DIMETHYLBUTANE	0.44	2.62	14.09
26	541.84	CYCLOPENTENE	0.33	1.64	14.42
27		C6 HYDROCARBON			
28		4-METHYL-1-PENTENE	0.00	0.00	
29	562.17	CYCLOPENTANE	1.38	6.91	15.28
30	564.07	2,3-DIMETHYLBUTANE	1.83	10.97	15.36
31	568.32	2-METHYLPENTANE	6.60	39.61	15.54
32	573.29	C6 OLEFIN	0.94	5.61	15.75
33	578.96	UNKNOWN	0.25	1.52	15.99
34	582.74	3-METHYLPENTANE	4.18	25.05	16.15
35		2-METHYL-1-PENTENE +			
	588.65	1-HEXENE	0.29	1.71	16.40
36		C6 OLEFIN			
37	600.00	n-HEXANE	4.62	27.72	16.88
38		t-3-HEXENE	0.00	0.00	
39		t-2-HEXENE	0.00	0.00	
40		C6 OLEFIN	0.00	0.00	
41		C6 OLEFIN	0.00	0.00	

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
42	624.71	C6 OLEFIN	0.15	0.92	17.94
43	627.97	METHYLCYCLOPENTANE	4.12	24.69	18.08
44	630.77	2,4–DIMETHYLPENTANE	1.23	8.60	18.20
45	636.83	C8 PARAFFIN+TRICHLOROETHANE	5.22	36.52	18.46
46	652.68	BENZENE	7.07	42.42	19.14
47		3,3–DIMETHYLPENTANE	0.00	0.00	
48	661.77	CYCLOHEXANE	1.13	6.79	19.53
49	668.07	2–METHYLHEXANE	1.93	13.49	19.80
50	670.63	2,3–DIMETHYLPENTANE	2.13	14.94	19.91
51	676.92	3–METHYLHEXANE	2.33	16.29	20.18
52		C7 OLEFIN	0.00	0.00	
53	684.85	1,3–DIMETHYLCYCLOPENTANE	0.77	5.37	20.52
54	687.65	3–ETHYLPENTANE	0.93	6.52	20.64
55	690.91	2,2,4–TRIMETHYLPENTANE	3.21	25.65	20.78
56	700.00	n–HEPTANE	1.88	13.13	21.17
57		C8 OLEFIN	0.00		
58	725.44	METHYLCYCLOHEXANE	2.58	18.03	22.19
59		C8 PARAFFIN	0.00	0.00	
60	733.17	2,5–DIMETHYLHEXANE	0.40	3.21	22.50
61	735.91	2,4–DIMETHYLHEXANE	0.88	7.05	22.61
62	744.39	C8 PARAFFIN	0.35	2.77	22.95
63	751.62	C8 PARAFFIN	0.34	2.74	23.24
64	753.87	2,3,4–TRIMETHYLPENTANE	0.98	7.87	23.33
65	760.10	TOLUENE	18.61	130.24	23.58
66	762.84	2,3–DIMETHYLHEXANE	0.45	3.58	23.69
67	767.33	2–METHYLHEPTANE	0.87	6.99	23.87
68	775.31	3–METHYLHEPTANE	0.80	6.39	24.19
69		3–ETHYLHEXANE	0.00	0.00	
70	782.67	C8 PARAFFIN	0.45	3.58	24.49
71	786.28	2,2,5–TRIMETHYLHEXANE	0.28	2.52	24.63
72		DIMETHYLCYCLOHEXANE +			
	791.77	1–OCTENE	0.18	1.45	24.85
73		C8 PARAFFIN	0.00	0.00	
74	800.03	n–OCTANE	0.67	5.35	25.18
75	807.28	PERCHLOROETHYLENE	2.94	5.88	25.45
76	809.97	C9 PARAFFIN	0.19	1.70	25.55
77		DIMETHYLHEPTANE	0.00	0.00	
78		C9 PARAFFIN	0.00	0.00	
79	831.54	C9 PARAFFIN	0.16	1.45	26.35
80	839.89	2,5–DIMETHYLHEPTANE	0.38	3.41	26.66
81	845.55	C9 PARAFFIN	0.23	2.04	26.87

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
82	857.14	ETHYLBENZENE	2.13	17.03	27.30
83	860.65	C9 OLEFFIN	0.23	2.03	27.43
84	865.50	m&p-XYLENE	7.25	57.99	27.61
85		4-METHYLOCTANE	0.00	0.00	
86		3-METHYLOCTANE	0.00	0.00	
87	874.12	C9 PARAFFIN	0.30	2.66	27.93
88	884.10	STYRENE	0.49	3.91	28.30
89	889.49	o-XYLENE	2.78	22.24	28.50
90		1-NONENE	0.00	0.00	
91	900.00	n-NONANE	0.51	4.63	28.89
92	916.33	C9 PARAFFIN	0.25	2.21	29.45
93	921.87	ISOPROPYLBENZENE	0.29	2.60	29.64
94		C10 PARAFFIN	0.00		
95	930.90	CYCLOOCTANE	0.23	1.82	29.95
96	937.61	C10 PARAFFIN	0.27	2.70	30.18
97		C10 PARAFFIN	0.00	0.00	
98		a-PINENE	0.00	0.00	
99		C10 PARAFFIN	0.00	0.00	
100	952.77	n-PROPYLBENZENE	0.63	5.70	30.70
101	959.18	m-ETHYLTOLUENE	1.66	14.91	30.92
102	961.81	p-ETHYLTOLUENE	0.87	7.79	31.01
103	966.76	1,3,5-TRIMETHYLBENZENE	0.73	6.53	31.18
104	973.47	C10 PARAFFIN	0.35	3.48	31.41
105	979.01	o-ETHYLTOLUENE	0.60	5.41	31.60
106	989.50	C10 PARAFFIN	0.35	3.51	31.96
107	993.29	1,2,4-TRIMETHYLBENZENE	2.05	18.42	32.09
108		C10 PARAFFIN	0.00	0.00	
109	1000.00	n-DECANE	0.75	7.45	32.32
110	1009.15	SEC-BUTYLBENZENE	0.35	3.48	32.61
111	1019.87	C10 OLEFIN	0.11	1.10	32.95
112	1024.61	1,2,3-TRIMETHYLBENZENE	0.80	7.23	33.10
113		1-METHYL-4-ISOPROPYLBENZENE	0.00	0.00	
114	1030.91	C10 PARAFFIN	0.15	1.49	33.30
115	1039.75	C10 AROMATIC	0.39	3.88	33.58
116	1043.53	n-BUTYLCYCLOHEXANE	0.20	2.01	33.70
117	1048.58	1,3-DIETHYLBENZENE	0.29	2.90	33.86
118	1051.10	C10 AROMATIC	0.30	3.00	33.94
119	1056.47	1,4-DIETHYLBENZENE	0.52	5.23	34.11
120	1066.25	C10 AROMATIC	0.15	1.53	34.42
121	1069.40	C11 PARAFFIN	0.18	2.03	34.52

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
122		2,6-DIMETHYLSTYRENE	0.00		
123	1077.92	1,3-DIMETHYL-4-ETHYLBENZENE	0.41	4.06	34.79
124	1086.44	C10 AROMATIC	0.44	4.35	35.06
125	1092.11	C10 AROMATIC	0.13	1.31	35.24
126		C10 AROMATIC	0.00	0.00	
127	1100.00	n-UNDECANE	0.58	6.36	35.49
128		C10 AROMATIC	0.00	0.00	
129		1,2,4,5-TETRAMETHYLBENZENE	0.19	1.93	36.12
130		1,2,3,5-TETRAMETHYLBENZENE	0.17	1.65	36.25
131		C11 PARAFFIN	0.00	0.00	
132		C10 AROMATIC	0.22	2.20	36.91
133		C10 AROMATIC	0.00	0.00	
134		C11 PARAFFIN	0.00	0.00	
135		m-DIISOPROPYLBENZENE	0.00	0.00	
136		C11 AROMATIC	0.22	2.43	37.25
137		1,2,3,4,-TETRAMETHYLBENZENE	0.00	0.00	
138		C11 AROMATIC	0.00	0.00	
139		C11 AROMATIC	0.00	0.00	
140		NAPHTHALENE	0.31	3.08	38.44
141		C11 AROMATIC	0.00	0.00	
142		n-DODECANE	0.00	0.00	
		TOTAL	316.78	1454.22	
143					
144		TOTAL AROMATICS	50.02	383.45	
145		TOTAL PARAFFINS	165.16	721.26	
146		TOTAL OLEFIN	91.18	282.58	
147					
148		TOTAL FROM #113	4.85	49.44	

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
1		ACETYLENE	9.90	19.80	3.00
2		ETYLENE	31.35	62.70	3.05
3		ETHANE	14.65	29.30	3.14
4		PROPENE	5.63	16.90	4.24
5		PROPANE	17.87	53.60	4.37
6		ISOBUTANE	6.73	26.90	6.51
7		BUTENE-1	2.68	10.70	6.72
8		1,3-BUTADIENE	0.00	0.00	
9	400.00	n-BUTANE	15.38	61.50	7.05
10	410.06	trans-2-BUTENE	1.17	4.67	7.52
11	423.34	cis-2-BUTENE	0.97	3.86	8.14
12	454.60	C4 OLEFIN	0.43	1.70	9.60
13	461.24	C4 OLEFIN	0.55	2.21	9.91
14	467.45	3-METHYL-1-BUTENE	0.17	0.87	10.20
15	472.59	ISOPENTANE	19.96	99.78	10.44
16	488.44	1-PENTENE	0.80	4.02	11.18
17	495.72	2-METHYL-1-BUTENE	0.66	3.28	11.52
18	500.00	n-PENTANE	10.95	54.75	11.72
19	504.54	ISOPRENE	0.35	1.77	11.94
20	508.25	t-2-PENTENE	1.19	5.95	12.12
21	515.88	c-2-PENTENE	0.62	3.11	12.49
22	520.41	C5 OLEFIN	1.88	9.41	12.71
23	522.27	2-METHYL-2-BUTENE	0.50	2.51	12.80
24	532.58	C6 PARAFFIN	0.32	1.93	13.30
25	535.05	2,2-DIMETHYLBUTANE	0.43	2.60	13.42
26	543.71	C6 HYDROCARBON	0.24	1.44	13.84
27	551.96	CYCLOPENTENE	0.29	1.47	14.24
28		4-METHYL-1-PENTENE	0.00	0.00	
29	562.68	CYCLOPENTANE	1.14	5.72	14.76
30	564.95	2,3-DIMETHYLBUTANE	1.50	8.98	14.87
31	569.48	2-METHYLPENTANE	5.21	31.27	15.09
32	574.64	C6 OLEFIN	1.16	6.95	15.34
33	580.62	UNKNOWN	0.10	1.57	15.63
34	583.30	3-METHYLPENTANE	3.42	20.53	15.76
35	589.28	2-METHYL-1-PENTENE + 1-HEXENE	0.37	2.23	16.05
36		C6 OLEFIN	0.00	0.00	
37	600.00	n-HEXANE	3.58	21.45	16.57
38	604.91	t-3-HEXENE	0.28	1.69	16.79
39	607.37	t-2-HEXENE	0.31	1.83	16.90
40		C6 OLEFIN	0.00	0.00	
41	620.76	C6 OLEFIN	0.34	2.02	17.50

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
42		C6 OLEFIN	0.00	0.00	
43	627.68	METHYLCYCLOPENTANE	3.30	19.82	17.81
44	631.25	2,4-DIMETHYLPENTANE	1.01	7.06	17.97
45	636.83	2,3,3-TRIMETHYL-1-BUTENE + 1,1,1-TRICHLOROETHANE	1.71	11.96	18.22
46	652.46	BENZENE	6.35	38.10	18.92
47		3,3-DIMETHYLPENTANE	0.00	0.00	
48	661.61	CYCLOHEXANE	0.96	5.73	19.33
49	668.53	2-METHYLHEXANE	1.56	10.91	19.64
50	670.98	2,3-DIMETHYLPENTANE	1.65	11.52	19.75
51	677.23	3-METHYLHEXANE	1.87	13.08	20.03
52		C7 OLEFIN	0.00	0.00	
53	684.82	1,3-DIMETHYLCYCLOPENTANE	0.52	3.66	20.37
54	687.72	3-ETHYLPENTANE	0.67	4.67	20.50
55	690.85	2,2,4-TRIMETHYLPENTANE	2.39	19.08	20.64
56	687.64	n-HEPTANE	1.29	9.00	21.05
57	701.92	C8 OLEFIN	0.33	2.65	21.57
58	715.93	METHYLCYCLOHEXANE	1.41	9.86	22.08
59		C8 PARAFFIN	0.00	0.00	
60	725.27	2,5-DIMETHYLHEXANE	0.30	2.43	22.42
61	728.30	2,4-DIMETHYLHEXANE	0.63	5.07	22.53
62	737.36	C8 PARAFFIN	0.23	1.82	22.86
63	745.60	C8 PARAFFIN	0.18	1.47	23.16
64	748.35	2,3,4-TRIMETHYLPENTANE	0.80	6.40	23.26
65	754.95	TOLUENE	12.15	85.05	23.50
66	758.52	2,3-DIMETHYLHEXANE	0.43	3.40	23.63
67	763.46	2-METHYLHEPTANE	0.57	4.56	23.81
68	772.25	3-METHYLHEPTANE	0.58	4.60	24.13
69	778.02	C8 PARAFFIN	0.15	1.22	24.34
70	780.22	C8 PARAFFIN	0.30	2.43	24.42
71	784.62	2,2,5-TRIMETHYLHEXANE	0.21	1.85	24.58
72		DIMETHYLCYCLOHEXANE + 1-OCTENE	0.00	0.00	
73		C8 PARAFFIN	0.00	0.00	
74	800.00	n-OCTANE	0.53	4.24	25.14
75	806.70	PERCHLOROETHYLENE	0.84	1.68	25.39
76	809.65	C9 PARAFFIN	0.18	1.59	25.50
77		DIMETHYLHEPTANE	0.00	0.00	
78		C9 PARAFFIN	0.00	0.00	
79		C9 PARAFFIN	0.00	0.00	
80	839.14	2,5-DIMETHYLHEPTANE	0.27	2.44	26.60
81	845.31	C9 PARAFFIN	0.16	1.44	26.83

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
82	857.10	ETHYLBENZENE	1.70	13.61	27.27
83	860.59	C9 OLEFFIN	0.15	1.32	27.40
84	865.15	m&p-XYLENE	6.71	53.66	27.57
85		4-METHYLOCTANE	0.00	0.00	
86		3-METHYLOCTANE	0.00	0.00	
87	873.99	C9 PARAFFIN	0.22	2.01	27.90
88	883.91	STYRENE	0.56	4.48	28.27
89	889.28	o-XYLENE	2.37	18.93	28.47
90		1-NONENE	0.00	0.00	
91	900.00	n-NONANE	0.34	3.09	28.87
92	916.03	C9 PARAFFIN	0.17	1.55	29.42
93	921.57	ISOPROPYLBENZENE	0.21	1.89	29.61
94		C10 PARAFFIN	0.00	0.00	
95		CYCLOOCTANE	0.00	0.00	
96	937.61	C10 PARAFFIN	0.19	1.93	30.16
97		C10 PARAFFIN	0.00	0.00	
98		a-PINENE	0.00	0.00	
99		C10 PARAFFIN	0.00	0.00	
100	952.77	n-PROPYLBENZENE	0.41	3.68	30.68
101	959.18	m-ETHYLTOLUENE	1.58	14.18	30.90
102	961.81	p-ETHYLTOLUENE	0.76	6.86	30.99
103	966.76	1,3,5-TRIMETHYLBENZENE	0.83	7.46	31.16
104	973.47	C10 PARAFFIN	0.26	2.56	31.39
105	979.01	o-ETHYLTOLUENE	0.47	4.27	31.58
106	989.80	C10 PARAFFIN	0.33	3.27	31.95
107	993.59	1,2,4-TRIMETHYLBENZENE	2.15	19.34	32.08
108		C10 PARAFFIN	0.00	0.00	
109	1000.00	n-DECANE	0.43	4.28	32.30
110	1009.12	SEC-BUTYLBENZENE	0.27	2.69	32.59
111	1019.81	C10 OLEFIN	0.11	1.05	32.93
112	1024.84	1,2,3-TRIMETHYLBENZENE	0.91	8.16	33.09
113		1-METHYL-4-ISOPROPYLBENZENE	0.00	0.00	
114	1031.13	C10 PARAFFIN	0.16	1.64	33.29
115	1039.62	C10 AROMATIC	0.35	3.47	33.56
116		n-BUTYLCYCLOHEXANE	0.00	0.00	
117	1048.43	1,3-DIETHYLBENZENE	0.32	3.15	33.84
118	1050.94	C10 AROMATIC	0.30	2.98	33.92
119	1056.60	1,4-DIETHYLBENZENE	0.58	5.84	34.10
120		C10 AROMATIC	0.00	0.00	
121	1069.18	C11 PARAFFIN	0.13	1.48	34.50

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
122		2,6–DIMETHYLSTYRENE	0.00	0.00	
123	1077.99	1,3–DIMETHYL–4–ETHYLBENZENE	0.34	3.35	34.78
124	1086.48	C10 AROMATIC	0.45	4.53	35.05
125	1092.14	C10 AROMATIC	0.12	1.20	35.23
126		C10 AROMATIC	0.00	0.00	
127	1100.00	n–UNDECANE	0.53	5.85	35.48
128		C10 AROMATIC	0.00	0.00	
129		1,2,4,5–TETRAMETHYLBENZENE	0.23	2.27	36.11
130		1,2,3,5–TETRAMETHYLBENZENE	0.22	2.21	36.23
131		C11 PARAFFIN	0.00	0.00	
132		C10 AROMATIC	0.00	0.00	
133		C10 AROMATIC	0.26	2.60	36.89
134		C11 PARAFFIN	0.00	0.00	
135		m–DIISOPROPYLBENZENE	0.00	0.00	
136		C11 AROMATIC	0.30	3.34	37.23
137		1,2,3,4,–TETRAMETHYLBENZENE	0.00	0.00	
138		C11 AROMATIC	0.00	0.00	
139		C11 AROMATIC	0.30	3.25	38.32
140		NAPHTHALENE	0.37	3.66	38.43
141		C11 AROMATIC	0.00	0.00	
142		n–DODECANE	0.00	0.00	

TOTAL	232.64	1120.85
Total Aromatics	41.18	320.55
Total Paraffins	118.94	562.69
Total Olefins	65.13	193.20
Other	9.44	55.68
Total from #113	4.96	50.82

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
1		ACETYLENE	10.55	21.10	3.01
2		ETHYLENE	30.65	61.30	3.07
3		ETHANE	15.10	30.20	3.14
4		PROPENE	4.90	14.70	4.25
5		PROPANE	18.27	54.80	4.38
6		ISOBUTANE	6.77	27.06	6.53
7		BUTENE–1	3.08	12.30	8.91
8		1,3–BUTADIENE	0.98	3.90	9.03
9	400.00	n–BUTANE	15.25	61.00	9.17
10	408.75	trans–2–BUTENE	1.13	4.53	9.47
11	421.28	cis–2–BUTENE	0.95	3.78	9.90
12	452.19	C4 OLEFIN	0.55	2.21	10.96
13	457.14	C4 OLEFIN	1.22	4.89	11.13
14		3–METHYL–1–BUTENE	0.00		
15	470.85	ISOPENTANE	19.66	98.29	11.60
16	487.46	1–PENTENE	0.82	4.10	12.17
17	495.04	2–METHYL–1–BUTENE	0.86	4.30	12.43
18	500.00	n–PENTANE	10.62	53.09	12.60
19	503.07	ISOPRENE	0.34	1.68	12.80
20	504.92	t–2–PENTENE	1.11	5.55	12.92
21	509.68	c–2–PENTENE	0.62	3.12	13.23
22	511.67	C5 OLEFIN	0.54	2.71	13.36
23	512.75	2–METHYL–2–BUTENE	2.29	11.43	13.43
24	519.05	C6 PARAFFIN	0.17	1.01	13.84
25	520.89	UNKNOWN	0.31	1.87	13.96
26	522.43	2,2–DIMETHYLBUTANE	0.51	3.06	14.06
27	527.50	C6 HYDROCARBON	0.15	0.87	14.39
28	533.49	CYCLOPENTENE	0.21	1.05	14.78
29		4–METHYL–1–PENTENE	0.00		
30	540.71	CYCLOPENTANE	1.16	5.78	15.25
31	541.78	2,3–DIMETHYLBUTANE	1.50	9.01	15.32
32	544.70	2–METHYLPENTANE	5.53	33.15	15.51
33	547.93	C6 OLEFIN	1.34	8.01	15.72
34	551.92	UNKNOWN	0.39	2.32	15.98
35	554.07	3–METHYLPENTANE	3.40	20.39	16.12
36	557.91	2–METHYL–1–PENTENE + 1–HEXENE	0.36	2.15	16.37
37		C6 OLEFIN			
38	600.00	n–HEXANE	3.61	21.65	16.85
39	604.90	t–3–HEXENE	0.34	2.06	17.06
40	607.23	t–2–HEXENE	0.32	1.91	17.16
41	610.26	C6 OLEFIN	0.28	1.67	17.29
42	614.22	C6 OLEFIN	0.22	1.34	17.46

TABLE A28
cont

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
43	620.51	C6 OLEFIN	0.37	2.22	17.73
44	627.97	METHYLCYCLOPENTANE	3.32	19.90	18.05
45	630.77	2,4–DIMETHYLPENTANE	1.02	7.11	18.17
46	636.83	2,3,3–TRIMETHYL–1–BUTENE + 1,1,1–TRICHLOROETHANE	1.66	11.59	18.43
47	652.68	BENZENE	6.12	36.70	19.11
48		3,3–DIMETHYLPENTANE	0.00		
49	661.77	CYCLOHEXANE	0.91	5.43	19.50
50	668.07	2–METHYLHEXANE	1.53	10.73	19.77
51	670.63	2,3–DIMETHYLPENTANE	1.63	11.44	19.88
52	676.92	3–METHYLHEXANE	1.91	13.34	20.15
53		C7 OLEFIN	0.00		
54	684.85	1,3–DIMETHYLCYCLOPENTANE	0.59	4.12	20.49
55	687.65	3–ETHYLPENTANE	0.76	5.35	20.61
56	690.91	2,2,4–TRIMETHYLPENTANE	2.43	19.42	20.75
57	700.00	n–HEPTANE	1.29	9.04	21.14
58	712.69	C8 HYDROCARBON	0.26	2.11	21.65
59	725.37	METHYLCYCLOHEXANE	1.59	11.14	22.16
60		C8 PARAFFIN	0.00		
61	733.33	2,5–DIMETHYLHEXANE	0.29	2.28	22.48
62	736.07	2,4–DIMETHYLHEXANE	0.63	5.00	22.59
63	744.28	C8 PARAFFIN	0.22	1.75	22.92
64	751.74	C8 PARAFFIN	0.18	1.45	23.22
65	753.98	2,3,4–TRIMETHYLPENTANE	0.80	6.42	23.31
66	759.95	TOLUENE	11.42	79.94	23.55
67	762.94	2,3–DIMETHYLHEXANE	0.40	3.16	23.67
68	767.41	2–METHYLHEPTANE	0.54	4.28	23.85
69	775.12	3–METHYLHEPTANE	0.50	3.98	24.16
70	780.35	UNKNOWN	0.12	0.96	24.37
71	782.34	C8 PARAFFIN	0.18	1.42	24.45
72	786.07	2,2,5–TRIMETHYLHEXANE	0.12	1.06	24.60
73	791.79	DIMETHYLCYCLOHEXANE + 1–OCTENE	0.11	0.84	24.83
74		C8 PARAFFIN	0.00		
75	800.00	n–OCTANE	0.51	4.10	25.16
76	807.01	PERCHLOROETHYLENE	0.83	1.66	25.42
77		C9 PARAFFIN	0.00		
78		DIMETHYLHEPTANE	0.00		
79	818.60	C9 PARAFFIN	0.17	1.53	25.85
80		C9 PARAFFIN	0.00		
81	838.81	2,5–DIMETHYLHEPTANE	0.26	2.31	26.60
82	845.28	C9 PARAFFIN	0.16	1.41	26.84

TABLE A28
cont

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
83	857.14	ETHYLBENZENE	1.51	13.59	27.28
84	860.38	C9 OLEFFIN	0.14	1.30	27.40
85	865.23	m&p–XYLENE	5.95	53.55	27.58
86		4–METHYLOCTANE	0.00		
87		3–METHYLOCTANE	0.00		
88	873.85	C9 PARAFFIN	0.20	1.79	27.90
89	883.83	STYRENE	0.51	4.57	28.27
90	889.49	o–XYLENE	2.12	19.12	28.48
91		1–NONENE	0.00		
92	900.00	n–NONANE	0.35	3.12	28.87
93	916.33	C9 PARAFFIN	0.17	1.52	29.43
94	921.57	ISOPROPYLBENZENE	0.23	2.06	29.61
95		C10 PARAFFIN	0.00		
96		CYCLOOCTANE	0.00		
97	937.32	C10 PARAFFIN	0.20	1.96	30.15
98		C10 PARAFFIN	0.00		
99		a–PINENE	0.00		
100		C10 PARAFFIN	0.00		
101	952.62	n–PROPYLBENZENE	0.57	5.12	30.68
102	959.18	m & p–ETHYLTOLUENE	1.63	14.71	30.90
103	961.81	2,3–DIMETHYLOCTANE	0.71	7.05	30.99
104	966.76	1,3,5–TRIMETHYLBENZENE	0.86	7.73	31.16
105	973.18	C10 PARAFFIN	0.24	2.41	31.38
106	978.72	o–ETHYLTOLUENE	0.55	4.94	31.57
107	989.50	C10 PARAFFIN	0.57	5.65	31.94
108	993.29	1,2,4–TRIMETHYLBENZENE	2.23	20.05	32.07
109		C10 PARAFFIN	0.00		
110	1000.00	n–DECANE	0.51	5.05	32.30
111	1009.15	SEC–BUTYLBENZENE	0.23	2.34	32.59
112	1019.87	C10 OLEFIN	0.40	4.04	32.93
113	1024.61	1,2,3–TRIMETHYLBENZENE	1.10	9.92	33.08
114		1–METHYL–4–ISOPROPYLBENZENE	0.00		
115	1030.91	C10 PARAFFIN	0.15	1.53	33.28
116	1039.43	C10 AROMATIC	0.35	3.45	33.55
117		n–BUTYLCYCLOHEXANE	0.00		
118	1048.26	1,3–DIETHYLBENZENE	0.33	3.31	33.83
119	1051.10	C10 AROMATIC	0.32	3.18	33.92
120	1056.47	1,4–DIETHYLBENZENE	0.60	6.02	34.09
121		C10 AROMATIC	0.00		
122	1069.40	C11 PARAFFIN	0.16	1.76	34.50

TABLE A28
cont

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
123		2,6–DIMETHYLSTYRENE	0.00		
124	1077.92	1,3–DIMETHYL–4–ETHYLBENZENE	0.71	7.13	34.77
125	1086.44	C10 AROMATIC	0.49	4.87	35.04
126	1092.11	C10 AROMATIC	0.13	1.26	35.22
127		C10 AROMATIC	0.00		
128	1100.00	n–UNDECANE	0.56	6.14	35.47
129		C10 AROMATIC	0.00		
130		1,2,4,5–TETRAMETHYLBENZENE	0.23	2.31	36.10
131		1,2,3,5–TETRAMETHYLBENZENE	0.23	2.27	36.22
132		C11 PARAFFIN	0.00		
133		C10 AROMATIC	0.00		
134		C10 AROMATIC	0.27	2.66	36.88
135		C11 PARAFFIN	0.00		
136		m–DIISOPROPYLBENZENE	0.00		
137		C11 AROMATIC	0.32	3.50	37.22
138		1,2,3,4,–TETRAMETHYLBENZENE	0.00		
139		C11 AROMATIC	0.00		
140		C11 AROMATIC	0.31	3.46	38.30
141		NAPHTHALENE	0.33	3.99	38.42
142		C11 AROMATIC	0.00		
143		n–DODECANE	0.00		

TOTAL	235.26	1144.96
Total Aromatics	40.02	324.81
Total Paraffins	119.35	563.29
Total Olefins	66.12	198.73
Other	9.77	58.13
Total from #114	5.48	56.84

LOS ANGELES CAN #00343 8/23/91 1000-12000 SAMPLER #1 - Page 1

TABLE A29

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
1		ACETYLENE	13.65	27.30	2.99
2		ETHYLENE	48.50	97.00	3.05
3		ETHANE	27.65	55.30	3.13
4		PROPENE	5.87	17.60	4.23
5		PROPANE	30.07	90.20	4.37
6		ISOBUTANE	8.78	35.10	6.51
7		BUTENE-1	2.85	11.40	9.04
8		1,3-BUTADIENE	0.70	2.80	9.16
9	400.00	n-BUTANE	21.53	86.10	9.29
10	408.88	trans-2-BUTENE	0.52	2.07	9.59
11	421.30	cis-2-BUTENE	0.43	1.70	10.01
12	456.51	C4 OLEFIN	2.44	9.75	11.20
13		C4 OLEFIN	0.00	0.00	
14		3-METHYL-1-BUTENE	0.00	0.00	
15	470.71	ISOPENTANE	27.09	135.44	11.68
16	487.28	1-PENTENE	0.83	4.17	12.24
17	494.97	2-METHYL-1-BUTENE	0.66	3.32	12.50
18	500.00	n-PENTANE	13.22	66.10	12.67
19	504.28	ISOPRENE	0.41	2.06	12.85
20	507.36	t-2-PENTENE	0.50	2.52	12.98
21		c-2-PENTENE	0.00	0.00	
22	517.58	C5 OLEFIN	0.90	4.52	13.41
23	519.48	2-METHYL-2-BUTENE	1.16	5.78	13.49
24		C6 PARAFFIN	0.00	0.00	
25	533.97	2,2-DIMETHYLBUTANE	0.67	4.03	14.10
26	541.81	C5 HYDROCARBON	0.42	2.11	14.43
27		4-METHYL-1-PENTENE	0.00	0.00	
28	562.00	CYCLOPENTANE	1.51	7.57	15.28
29	563.90	2,3-DIMETHYLBUTANE	2.24	13.42	15.36
30	568.17	2-METHYLPENTANE	7.97	47.81	15.54
31	573.16	C6 OLEFIN	1.40	8.37	15.75
32	579.10	UNKNOWN	0.43	2.59	16.00
33	582.66	3-METHYLPENTANE	4.95	29.68	16.15
34		2-METHYL-1-PENTENE + 1-HEXENE	0.00	0.00	
35		C6 OLEFIN			
36	600.00	n-HEXANE	4.92	29.50	16.88
37		t-3-HEXENE	0.00	0.00	
38		t-2-HEXENE	0.00	0.00	
39		C6 OLEFIN	0.00	0.00	

TABLE A29
cont

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
40		C6 OLEFIN	0.00	0.00	
41		C6 OLEFIN	0.00	0.00	
42	627.87	METHYLCYCLOPENTANE	4.64	27.84	18.07
43	630.68	2,4–DIMETHYLPENTANE	1.52	10.65	18.19
44	636.77	2,3,3–TRIMETHYL–1–BUTENE + 1,1,1–TRICHLOROETHANE	3.21	22.50	18.45
45	652.46	BENZENE	9.19	55.15	19.12
46		3,3–DIMETHYLPENTANE	0.00	0.00	
47	661.83	CYCLOHEXANE	1.13	6.78	19.52
48	667.92	2–METHYLHEXANE	2.30	16.10	19.78
49	670.49	2,3–DIMETHYLPENTANE	2.57	17.99	19.89
50	676.81	3–METHYLHEXANE	2.75	19.24	20.16
51		C7 OLEFIN	0.00	0.00	
52	685.01	1,3–DIMETHYLCYCLOPENTANE	0.75	5.23	20.51
53	687.59	3–ETHYLPENTANE	0.95	6.63	20.62
54	690.87	2,2,4–TRIMETHYLPENTANE	3.50	28.00	20.76
55	700.00	n–HEPTANE	1.68	11.77	21.15
56		C8 OLEFIN	0.00	0.00	
57	725.44	METHYLCYCLOHEXANE	2.11	14.74	22.17
58		C8 PARAFFIN	0.00	0.00	
59	733.17	2,5–DIMETHYLHEXANE	0.45	3.59	22.48
60	735.91	2,4–DIMETHYLHEXANE	0.93	7.47	22.59
61	744.39	C8 PARAFFIN	0.29	2.30	22.93
62		C8 PARAFFIN	0.00	0.00	
63	754.11	2,3,4–TRIMETHYLPENTANE	1.12	8.94	23.32
64	760.10	TOLUENE	19.08	133.58	23.56
65	763.09	2,3–DIMETHYLHEXANE	0.54	4.33	23.68
66	767.33	2–METHYLHEPTANE	0.85	6.81	23.85
67	775.31	3–METHYLHEPTANE	0.91	7.29	24.17
68	780.55	C8 PARAFFIN	0.36	2.49	24.38
69	782.79	C8 PARAFFIN	0.39	3.13	24.47
70	786.28	2,2,5–TRIMETHYLHEXANE	0.41	3.67	24.61
71		DIMETHYLCYCLOHEXANE + 1–OCTENE	0.00	0.00	
72		C8 PARAFFIN	0.00	0.00	
73	800.00	n–OCTANE	0.66	5.24	25.16
74	807.28	PERCHLOROETHYLENE	2.57	5.14	25.43
75		C9 PARAFFIN	0.00	0.00	
76		DIMETHYLHEPTANE	0.00	0.00	
77		C9 PARAFFIN	0.00	0.00	
78		C9 PARAFFIN	0.00	0.00	
79		2,5–DIMETHYLHEPTANE	0.00	0.00	

TABLE A29
cont

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
80		C9 PARAFFIN	0.00	0.00	
81	857.14	ETHYLBENZENE	2.67	21.32	27.28
82		C9 OLEFFIN	0.00	0.00	
83	865.50	m&p–XYLENE	9.02	72.13	27.59
84		4–METHYLOCTANE	0.00	0.00	
85		3–METHYLOCTANE	0.00	0.00	
86	874.12	C9 PARAFFIN	0.35	3.11	27.91
87	884.10	STYRENE	0.45	3.58	28.28
88	889.49	o–XYLENE	3.46	27.71	28.48
89		1–NONENE	0.00	0.00	
90	900.00	n–NONANE	0.54	4.89	28.87
91		C9 PARAFFIN	0.00	0.00	
92		ISOPROPYLBENZENE	0.00	0.00	
93		C10 PARAFFIN	0.00	0.00	
94		CYCLOOCTANE	0.00	0.00	
95	937.61	C10 PARAFFIN	0.27	2.69	30.16
96		C10 PARAFFIN	0.00	0.00	
97		a–PINENE	0.00	0.00	
98		C10 PARAFFIN	0.00	0.00	
99	952.77	n–PROPYLBENZENE	0.46	4.14	30.68
100	959.18	m–ETHYLTOLUENE	2.01	18.10	30.90
101	961.81	p–ETHYLTOLUENE	0.97	8.71	30.99
102	966.76	1,3,5–TRIMETHYLBENZENE	0.77	6.90	31.16
103	973.47	C10 PARAFFIN	0.30	2.95	31.39
104	979.01	o–ETHYLTOLUENE	0.75	6.74	31.58
105	989.80	C10 PARAFFIN	0.39	3.94	31.95
106	993.59	1,2,4–TRIMETHYLBENZENE	2.32	20.89	32.08
107		C10 PARAFFIN	0.00	0.00	
108	1000.00	n–DECANE	0.67	6.69	32.30
109	1009.15	SEC–BUTYLBENZENE	0.28	2.79	32.59
110	1019.87	C10 OLEFIN	0.45	4.53	32.93
111	1024.92	1,2,3–TRIMETHYLBENZENE	1.07	9.62	33.09
112		1–METHYL–4–ISOPROPYLBENZENE	0.00	0.00	
113		C10 PARAFFIN	0.00	0.00	
114	1039.75	C10 AROMATIC	0.47	4.73	33.56
115		n–BUTYLCYCLOHEXANE	0.00	0.00	
116	1048.90	1,3–DIETHYLBENZENE	0.34	3.38	33.85
117	1051.10	C10 AROMATIC	0.44	4.43	33.92
118	1056.47	1,4–DIETHYLBENZENE	0.94	9.40	34.09
119		C10 AROMATIC	0.00	0.00	

TABLE A29
cont

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
120		C11 PARAFFIN	0.00	0.00	
121		2,6–DIMETHYLSTYRENE	0.00	0.00	
122	1078.23	1,3–DIMETHYL–4–ETHYLBENZENE	0.78	7.78	34.78
123	1086.44	C10 AROMATIC	0.55	5.54	35.04
124		C10 AROMATIC	0.00	0.00	
125		C10 AROMATIC	0.00	0.00	
126	1100.00	n–UNDECANE	0.71	7.84	35.47
127		C10 AROMATIC	0.00	0.00	
128		1,2,4,5–TETRAMETHYLBENZENE	0.00	0.00	36.09
129		1,2,3,5–TETRAMETHYLBENZENE	0.01	0.09	36.22
130		C11 PARAFFIN	0.00	0.00	
131		C10 AROMATIC	0.00	0.00	
132		C10 AROMATIC	0.00	0.00	
133		C11 PARAFFIN	0.00	0.00	
134		m–DIISOPROPYLBENZENE	0.00	0.00	
135		C11 AROMATIC	0.00	0.00	
136		1,2,3,4,–TETRAMETHYLBENZENE	0.00	0.00	
137		C11 AROMATIC	0.00	0.00	
138		C11 AROMATIC	0.00	0.00	
139		NAPHTHALENE	0.44	4.40	38.42
140		C11 AROMATIC	0.00	0.00	
141		n–DODECANE	0.00	0.00	
		TOTAL	328.97	1520.93	
		Total Aromatics	56.03	56.03	
		Total Paraffins	174.46	174.46	
		Total Olefins	86.85	86.85	
		Other	14.00	14.00	
		Total from #112	4.69	47.59	

LOS ANGELES CAN #00339 8/23/91 1000–1200 Sampler #2 -- Page 1 TABLE A30

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
1		ACETYLENE	12.10	24.20	2.99
2		ETHYLENE	45.00	90.00	3.05
3		ETHANE	27.45	54.90	3.13
4		PROPENE	4.80	14.40	4.23
5		PROPANE	30.63	91.90	4.36
6		ISOBUTANE	8.40	33.60	6.50
7		BUTENE-1	1.08	4.30	6.72
8		1,3-BUTADIENE	0.00		
9	400.00	n-BUTANE	21.25	85.00	7.02
10	410.66	trans-2-BUTENE	0.40	1.58	7.52
11	423.67	cis-2-BUTENE	0.35	1.40	8.13
12	461.41	C4 OLEFIN	0.53	2.12	9.90
13	467.59	C4 OLEFIN	0.34	1.34	10.19
14		3-METHYL-1-BUTENE	0.00		
15	472.71	ISOPENTANE	26.01	130.05	10.43
16	488.49	1-PENTENE	0.65	3.25	11.17
17	495.74	2-METHYL-1-BUTENE	0.36	1.79	11.51
18	500.00	n-PENTANE	12.80	64.00	11.71
19	504.53	ISOPRENE	0.38	1.92	11.93
20	508.44	t-2-PENTENE	0.45	2.27	12.12
21	515.84	c-2-PENTENE	0.26	1.31	12.48
22	519.34	C5 OLEFIN	0.83	4.15	12.65
23	520.58	UNKNOWN	0.60	3.61	12.71
24	522.43	2-METHYL-2-BUTENE	0.43	2.16	12.80
25	530.86	C6 PARAFFIN	0.28	1.68	13.21
26	535.19	2,2-DIMETHYLBUTANE	0.46	2.73	13.42
27	543.83	CYCLOPENTENE	0.44	2.21	13.84
28		4-METHYL-1-PENTENE	0.00		
29	562.76	CYCLOPENTANE	1.46	7.28	14.76
30	565.02	2,3-DIMETHYLBUTANE	2.06	12.34	14.87
31	569.55	2-METHYLPENTANE	7.28	43.69	15.09
32	574.49	C6 OLEFIN	1.49	8.92	15.33
33	580.45	UNKNOWN	0.30	1.81	15.62
34	583.33	3-METHYLPENTANE	4.72	28.34	15.76
35	589.30	2-METHYL-1-PENTENE + 1-HEXENE	0.30	1.80	16.05
36		C6 OLEFIN			
37	600.00	n-HEXANE	4.72	28.32	16.57
38		t-3-HEXENE	0.00		
39		t-2-HEXENE	0.00		
40		C6 OLEFIN	0.00		
41		C6 OLEFIN	0.00		

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
42	624.94	C6 OLEFIN	0.22	1.31	17.69
43	627.84	METHYLCYCLOPENTANE	4.40	26.41	17.82
44	631.18	2,4–DIMETHYLPENTANE	1.44	10.08	17.97
45	636.75	2,3,3–TRIMETHYL–1–BUTENE + 1,1,1–TRICHLOROETHANE	3.30	23.11	18.22
46	652.56	BENZENE	8.97	53.80	18.93
47		3,3–DIMETHYLPENTANE	0.00		
48	661.69	CYCLOHEXANE	1.25	7.47	19.34
49	668.37	2–METHYLHEXANE	2.18	15.28	19.64
50	670.82	2,3–DIMETHYLPENTANE	2.42	16.97	19.75
51	677.28	3–METHYLHEXANE	2.58	18.04	20.04
52		C7 OLEFIN	0.00		
53	684.86	1,3–DIMETHYLCYCLOPENTANE	0.73	5.11	20.38
54	687.75	3–ETHYLPENTANE	0.90	6.29	20.51
55	690.87	2,2,4–TRIMETHYLPENTANE	3.35	26.82	20.65
56	700.00	n–HEPTANE	1.70	11.93	21.06
57	712.75	C8 HYDROCARBON	0.26	2.06	21.58
58	725.25	METHYLCYCLOHEXANE	1.89	13.23	22.09
59		C8 PARAFFIN	0.00		
60	733.58	2,5–DIMETHYLHEXANE	0.42	3.35	22.43
61	736.03	2,4–DIMETHYLHEXANE	0.88	7.03	22.53
62	744.36	C8 PARAFFIN	0.28	2.25	22.87
63	751.72	C8 PARAFFIN	0.22	1.74	23.17
64	753.92	2,3,4–TRIMETHYLPENTANE	1.03	8.21	23.26
65	760.05	TOLUENE	17.30	121.10	23.51
66	763.24	2,3–DIMETHYLHEXANE	0.43	3.41	23.64
67	767.65	2–METHYLHEPTANE	0.73	5.84	23.82
68	775.49	3–METHYLHEPTANE	0.74	5.91	24.14
69		C8 PARAFFIN	0.15	1.20	24.35
70	782.60	C8 PARAFFIN	0.36	2.90	24.43
71	786.52	2,2,5–TRIMETHYLHEXANE	0.29	2.63	24.59
72	791.91	DIMETHYLCYCLOHEXANE + 1–OCTENE	0.16	1.25	24.81
73		C8 PARAFFIN	0.00		
74	800.00	n–OCTANE	0.64	5.10	25.14
75	806.95	PERCHLOROETHYLENE	2.96	5.92	25.40
76		C9 PARAFFIN	0.00		
77		DIMETHYLHEPTANE	0.00		
78		C9 PARAFFIN	0.00		
79	831.82	C9 PARAFFIN	0.15	1.39	26.33
80	839.30	2,5–DIMETHYLHEPTANE	0.36	3.27	26.61
81	845.19	C9 PARAFFIN	0.20	1.83	26.83

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
82	856.95	ETHYLBENZENE	2.44	19.53	27.27
83	860.43	C9 OLEFFIN	0.21	1.90	27.40
84	865.24	m&p-XYLENE	8.08	64.62	27.58
85		4-METHYLOCTANE	0.00		
86		3-METHYLOCTANE	0.00		
87	874.06	C9 PARAFFIN	0.29	2.62	27.91
88	883.69	STYRENE	0.46	3.68	28.27
89	889.30	o-XYLENE	3.11	24.91	28.48
90		1-NONENE	0.00		
91	900.00	n-NONANE	0.44	3.96	28.88
92	916.33	C9 PARAFFIN	0.24	2.13	29.44
93	921.57	ISOPROPYLBENZENE	0.32	2.87	29.62
94		C10 PARAFFIN	0.00		
95	927.99	CYCLOOCTANE	0.13	1.07	29.84
96	937.32	C10 PARAFFIN	0.28	2.81	30.16
97		C10 PARAFFIN	0.00		
98		a-PINENE	0.00		
99		C10 PARAFFIN	0.00		
100	952.48	n-PROPYLBENZENE	0.70	6.30	30.68
101	959.18	m-ETHYLTOLUENE	1.90	17.07	30.91
102	961.81	p-ETHYLTOLUENE	0.91	9.07	31.00
103	966.47	1,3,5-TRIMETHYLBENZENE	0.79	7.07	31.16
104	973.47	C10 PARAFFIN	0.36	3.60	31.40
105	978.72	o-ETHYLTOLUENE	0.80	7.18	31.58
106	989.80	C10 PARAFFIN	0.45	4.48	31.96
107	993.59	1,2,4-TRIMETHYLBENZENE	2.37	21.37	32.09
108		C10 PARAFFIN	0.00		
109	1000.00	n-DECANE	0.75	7.48	32.31
110	1011.04	SEC-BUTYLBENZENE	0.40	3.98	32.66
111	1019.87	C10 OLEFIN	0.27	2.69	32.94
112	1024.61	1,2,3-TRIMETHYLBENZENE	1.19	10.74	33.09
113		1-METHYL-4-ISOPROPYLBENZENE	0.00		
114	1030.91	C10 PARAFFIN	0.24	2.40	33.29
115	1039.75	C10 AROMATIC	0.46	4.57	33.57
116	1042.90	n-BUTYLCYCLOHEXANE	0.23	2.25	33.67
117	1048.58	1,3-DIETHYLBENZENE	0.33	3.33	33.85
118	1051.10	C10 AROMATIC	0.37	3.73	33.93
119	1056.47	1,4-DIETHYLBENZENE	0.68	6.79	34.10
120	1062.78	UNKNOWN	0.18	1.79	34.30
121	1066.25	C10 AROMATIC	0.19	1.89	34.41
122	1069.40	C11 PARAFFIN	0.20	2.22	34.51

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
123	1072.87	2,6–DIMETHYLSTYRENE	0.26	2.56	34.62
124	1077.92	1,3–DIMETHYL–4–ETHYLBENZENE	0.42	4.17	34.78
125	1086.44	C10 AROMATIC	0.59	5.87	35.05
126	1092.11	C10 AROMATIC	0.20	1.97	35.23
127		C10 AROMATIC	0.00		
128	1100.00	n–UNDECANE	0.77	8.50	35.48
129		C10 AROMATIC	0.00		
130	1098.22	1,2,4,5–TETRAMETHYLBENZENE	0.26	2.56	36.11
131	1097.86	1,2,3,5–TETRAMETHYLBENZENE	0.24	2.36	36.24
132		C11 PARAFFIN	0.00		
133		C10 AROMATIC	0.00		
134	1096.03	C10 AROMATIC	0.29	2.94	36.89
135		C11 PARAFFIN	0.00		
136		m–DIISOPROPYLBENZENE	0.00		
137	1095.04	C11 AROMATIC	0.37	4.05	37.24
138		1,2,3,4,–TETRAMETHYLBENZENE	0.00		
139		C11 AROMATIC	0.00		
140	1092.00	C11 AROMATIC	0.37	4.03	38.32
141		NAPHTHALENE	0.43	4.27	38.43
142		C11 AROMATIC	0.00		
143		n–DODECANE	0.00		

TOTAL	315.43	1483.99
Total Aromatics	54.74	424.11
Total Paraffins	171.80	780.28
Total Olefins	76.70	212.08
Other	14.99	82.43
Total from #113	7.05	72.25

TABLE A31

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
1		ACETYLENE	7.70	15.40	2.99
2		ETHYLENE	8.70	17.40	3.05
3		ETHANE	12.50	25.00	3.13
4		PROPENE	2.10	6.30	4.24
5		PROPANE	10.57	31.70	4.37
6		ISOBUTANE	0.00	0.00	5.71
7		BUTENE-1	0.00	0.00	6.66
8		1,3-BUTADIENE	0.00	0.00	6.80
9	400.00	n-BUTANE	7.49	29.96	7.03
10	410.06	trans-2-BUTENE	0.38	1.52	7.50
11	423.34	cis-2-BUTENE	0.31	1.24	8.12
12	454.60	C4 OLEFIN	0.21	0.82	9.58
13	461.24	C4 OLEFIN	0.36	1.42	9.89
14		3-METHYL-1-BUTENE	0.00	0.00	
15	472.59	ISOPENTANE	9.24	46.22	10.42
16	488.44	1-PENTENE	0.39	1.94	11.16
17	495.72	2-METHYL-1-BUTENE	0.29	1.46	11.50
18	500.00	n-PENTANE	5.31	26.57	11.70
19	504.52	ISOPRENE	0.14	0.72	11.92
20	508.42	t-2-PENTENE	0.50	2.51	12.11
21	516.02	c-2-PENTENE	0.27	1.37	12.48
22	519.30	C5 OLEFIN	0.46	2.28	12.64
23	520.53	UNKNOWN	0.64	3.85	12.70
24	522.38	2-METHYL-2-BUTENE	0.30	1.48	12.79
25	531.01	C6 PARAFFIN	0.13	0.75	13.21
26	535.11	2,2-DIMETHYLBUTANE	0.12	0.72	13.41
27	543.74	CYCLOPENTENE	0.17	0.84	13.83
28		4-METHYL-1-PENTENE	0.00	0.00	
29	562.83	CYCLOPENTANE	0.57	2.85	14.76
30	565.09	2,3-DIMETHYLBUTANE	0.73	4.37	14.87
31	569.82	2-METHYLPENTANE	2.42	14.51	15.10
32	574.74	C6 OLEFIN	0.85	5.10	15.34
33	580.70	UNKNOWN	0.18	1.08	15.63
34	583.37	3-METHYLPENTANE	1.62	9.74	15.76
35	589.32	2-METHYL-1-PENTENE + 1-HEXENE	0.19	1.15	16.05
36		C6 OLEFIN			
37	600.00	n-HEXANE	1.66	9.97	16.57
38		t-3-HEXENE	0.00	0.00	
39	607.54	t-2-HEXENE	0.12	0.72	16.91
40		C6 OLEFIN	0.00	0.00	
41		C6 OLEFIN	0.00	0.00	

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
42	620.84	C6 OLEFIN	0.13	0.80	17.51
43	627.72	METHYLCYCLOPENTANE	1.65	9.87	17.82
44	631.26	2,4–DIMETHYLPENTANE	0.50	3.50	17.98
45	636.81	2,3,3–TRIMETHYL–1–BUTENE + 1,1,1–TRICHLOROETHANE	1.38	9.69	18.23
46	652.55	BENZENE	2.78	16.65	18.94
47		3,3–DIMETHYLPENTANE	0.00	0.00	
48	661.64	CYCLOHEXANE	0.50	3.00	19.35
49	668.51	2–METHYLHEXANE	0.76	5.32	19.66
50	670.95	2,3–DIMETHYLPENTANE	0.85	5.93	19.77
51	677.16	3–METHYLHEXANE	1.02	7.17	20.05
52		C7 OLEFIN	0.00	0.00	
53	684.92	1,3–DIMETHYLCYCLOPENTANE	0.29	2.00	20.40
54	687.58	3–ETHYLPENTANE	0.34	2.41	20.52
55	690.69	2,2,4–TRIMETHYLPENTANE	1.18	9.41	20.66
56	700.00	n–HEPTANE	0.69	4.83	21.08
57	712.71	C8 OLEFIN	0.18	1.44	21.60
58	725.18	METHYLCYCLOHEXANE	0.90	6.27	22.11
59		C8 PARAFFIN	0.00	0.00	
60	733.50	2,5–DIMETHYLHEXANE	0.15	1.20	22.45
61	735.94	2,4–DIMETHYLHEXANE	0.32	2.59	22.55
62	744.25	C8 PARAFFIN	0.12	0.97	22.89
63		C8 PARAFFIN	0.00	0.00	
64	754.03	2,3,4–TRIMETHYLPENTANE	0.41	3.27	23.29
65	759.90	TOLUENE	6.69	46.81	23.53
66	763.08	2,3–DIMETHYLHEXANE	0.20	1.58	23.66
67	767.48	2–METHYLHEPTANE	0.31	2.44	23.84
68	775.31	3–METHYLHEPTANE	0.29	2.30	24.16
69	780.68	C8 PARAFFIN	0.14	1.15	24.38
70	782.40	C8 PARAFFIN	0.16	1.29	24.45
71	786.31	2,2,5–TRIMETHYLHEXANE	0.10	0.89	24.61
72		DIMETHYLCYCLOHEXANE + 1–OCTENE	0.00	0.00	
73		C8 PARAFFIN	0.00	0.00	
74	800.00	n–OCTANE	0.24	1.93	25.17
75	806.97	PERCHLOROETHYLENE	0.75	1.49	25.43
76	818.77	C9 PARAFFIN	0.09	0.83	25.87
77		DIMETHYLHEPTANE	0.00	0.00	
78		C9 PARAFFIN	0.00	0.00	
79		C9 PARAFFIN	0.00	0.00	
80	839.14	2,5–DIMETHYLHEPTANE	0.14	1.22	26.63
81		C9 PARAFFIN	0.00	0.00	

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
82	857.10	ETHYLBENZENE	0.80	6.42	27.30
83	860.59	C9 OLEFFIN	0.08	0.73	27.43
84	865.15	m&p-XYLENE	3.25	26.03	27.60
85		4-METHYLOCTANE	0.00	0.00	
86		3-METHYLOCTANE	0.00	0.00	
87	873.99	C9 PARAFFIN	0.11	1.03	27.93
88	883.91	STYRENE	0.29	2.32	28.30
89	889.28	o-XYLENE	1.18	9.44	28.50
90		1-NONENE	0.00	0.00	
91	900.00	n-NONANE	0.20	1.83	28.90
92		C9 PARAFFIN	0.00	0.00	
93		ISOPROPYLBENZENE	0.00	0.00	
94		C10 PARAFFIN	0.00	0.00	
95		CYCLOOCTANE	0.00	0.00	
96		C10 PARAFFIN	0.00	0.00	
97		C10 PARAFFIN	0.00	0.00	
98		a-PINENE	0.00	0.00	
99	937.43	C10 PARAFFIN	0.12	1.24	30.18
100	952.63	n-PROPYLBENZENE	0.23	2.06	30.70
101	959.06	m-ETHYLTOLUENE	0.83	7.45	30.92
102	961.70	p-ETHYLTOLUENE	0.51	4.63	31.01
103	966.67	1,3,5-TRIMETHYLBENZENE	0.46	4.15	31.18
104	973.39	C10 PARAFFIN	0.16	1.62	31.41
105	978.95	o-ETHYLTOLUENE	0.29	2.65	31.60
106	989.47	C10 PARAFFIN	0.42	4.22	31.96
107	993.57	1,2,4-TRIMETHYLBENZENE	1.20	10.83	32.10
108		C10 PARAFFIN	0.00	0.00	
109	1000.00	n-DECANE	0.36	3.61	32.32
110	1009.15	SEC-BUTYLBENZENE	0.35	3.53	32.61
111	1019.87	C10 OLEFIN	0.15	1.50	32.95
112	1024.61	1,2,3-TRIMETHYLBENZENE	0.54	4.86	33.10
113	1030.91	1-METHYL-4-ISOPROPYLBENZENE	0.13	1.30	33.30
114		C10 PARAFFIN	0.00	0.00	
115	1039.43	C10 AROMATIC	0.21	2.06	33.57
116	1043.53	n-BUTYLCYCLOHEXANE	0.10	1.03	33.70
117	1048.58	1,3-DIETHYLBENZENE	0.17	1.70	33.86
118	1050.79	C10 AROMATIC	0.19	1.88	33.93
119	1056.47	1,4-DIETHYLBENZENE	0.37	3.66	34.11
120	1065.93	C10 AROMATIC	0.09	0.93	34.41
121	1069.09	C11 PARAFFIN	0.10	1.09	34.51

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
122	1073.19	2,6–DIMETHYLSTYRENE	0.15	1.50	34.64
123	1077.92	1,3–DIMETHYL–4–ETHYLBENZENE	0.24	2.38	34.79
124	1086.12	C10 AROMATIC	0.34	3.41	35.05
125	1092.11	C10 AROMATIC	0.11	1.11	35.24
126		C10 AROMATIC	0.00	0.00	
127	1100.00	n–UNDECANE	0.44	4.88	35.49
128		C10 AROMATIC	0.00	0.00	
129		1,2,4,5–TETRAMETHYLBENZENE	0.16	1.58	36.11
130		1,2,3,5–TETRAMETHYLBENZENE	0.15	1.49	36.24
131		C11 PARAFFIN	0.06	0.65	36.41
132		C10 AROMATIC	0.00	0.00	
133		C10 AROMATIC	0.17	1.72	36.90
134		C11 PARAFFIN	0.00	0.00	
135		m–DIISOPROPYLBENZENE	0.00	0.00	
136		C11 AROMATIC	0.21	2.31	37.24
137		1,2,3,4,–TETRAMETHYLBENZENE	0.00	0.00	
138		C11 AROMATIC	0.00	0.00	
139		C11 AROMATIC	0.29	3.16	38.32
140		NAPHTHALENE	0.28	2.77	38.43
141		C11 AROMATIC	0.00	0.00	
142		n–DODECANE	0.00	0.00	
		TOTAL	115.37	569.97	
		Total Aromatics	22.38	178.02	
		Total Paraffins	61.97	281.35	
		Total Olefins	26.57	84.17	
		Other	6.01	35.05	
		Total from #113	3.95	40.61	

Los Angeles Can #00338 2/24/91 1000–1200 Sampler #1 -- Page 1 TABLE A32

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
1		ACETYLENE	5.60	11.20	3.05
2		ETHYLENE	11.35	22.70	3.11
3		ETHANE	12.20	24.40	3.19
4		PROPENE	1.50	4.50	4.30
5		PROPANE	11.47	34.40	4.43
6		ISOBUTANE	3.65	14.60	6.57
7		BUTENE-1	0.00	0.00	7.22
8		1,3-BUTADIENE	0.00	0.00	
9	400.00	n-BUTANE	11.35	45.40	7.08
10	409.87	trans-2-BUTENE	0.26	1.02	7.54
11	423.18	cis-2-BUTENE	0.21	0.85	8.16
12		C4 OLEFIN	0.00	0.00	
13	460.94	C4 OLEFIN	0.81	3.23	9.92
14	467.38	3-METHYL-1-BUTENE	0.25	1.23	10.22
15	472.53	ISOPENTANE	12.50	62.50	10.46
16	488.41	1-PENTENE	0.31	1.56	11.20
17	495.49	2-METHYL-1-BUTENE	0.19	0.94	11.53
18	500.00	n-PENTANE	6.08	30.41	11.74
19	504.73	ISOPRENE	0.25	1.23	11.97
20	508.44	t-2-PENTENE	0.22	1.10	12.15
21	516.05	c-2-PENTENE	0.13	0.63	12.52
22	519.34	C5 OLEFIN	0.70	3.49	12.68
23	522.43	2-METHYL-2-BUTENE	0.45	2.24	12.83
24	530.88	C6 PARAFFIN	0.11	0.64	13.24
25	535.19	2,2-DIMETHYLBUTANE	0.22	1.31	13.45
26	543.83	C6 HYDROCARBON	0.28	1.68	13.87
27	554.94	CYCLOPENTENE	0.12	0.61	14.41
28		4-METHYL-1-PENTENE	0.00	0.00	
29	562.76	CYCLOPENTANE	0.64	3.20	14.79
30	565.02	2,3-DIMETHYLBUTANE	0.91	5.43	14.90
31	569.55	2-METHYLPENTANE	3.17	19.04	15.12
32	574.69	C6 OLEFIN	1.80	10.82	15.37
33	580.66	UNKNOWN	0.45	2.69	15.66
34	583.33	3-METHYLPENTANE	2.10	12.61	15.79
35	589.30	2-METHYL-1-PENTENE + 1-HEXENE	0.13	0.80	16.08
36	595.88	C6 OLEFIN	0.13	0.78	16.40
37	600.00	n-HEXANE	2.05	12.30	16.60
38		t-3-HEXENE	0.00	0.00	
39		t-2-HEXENE	0.00	0.00	
40		C6 OLEFIN	0.00	0.00	
41		C6 OLEFIN	0.00	0.00	

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
42		C6 OLEFIN	0.00		
43	627.78	METHYLCYCLOPENTANE	1.89	11.35	17.85
44	631.33	2,4–DIMETHYLPENTANE	0.61	4.24	18.01
45	636.89	2,3,3–TRIMETHYL–1–BUTENE + 1,1,1–TRICHLOROETHANE	1.25	8.75	18.26
46	652.67	BENZENE	3.73	22.40	18.97
47		3,3–DIMETHYLPENTANE	0.00	0.00	
48	661.78	CYCLOHEXANE	0.59	3.52	19.38
49	668.44	2–METHYLHEXANE	0.87	6.12	19.68
50	670.89	2,3–DIMETHYLPENTANE	0.99	6.91	19.79
51	677.33	3–METHYLHEXANE	1.25	8.78	20.08
52		C7 OLEFIN	0.00	0.00	
53	684.89	1,3–DIMETHYLCYCLOPENTANE	0.29	2.06	20.42
54	687.56	3–ETHYLPENTANE	0.37	2.57	20.54
55	690.89	2,2,4–TRIMETHYLPENTANE	1.57	12.53	20.69
56	700.00	n–HEPTANE	0.76	5.35	21.10
57	712.50	C8 OLEFIN	0.14	1.08	21.61
58	725.25	METHYLCYCLOHEXANE	0.85	5.94	22.13
59		C8 PARAFFIN	0.00	0.00	
60	733.33	2,5–DIMETHYLHEXANE	0.17	1.38	22.46
61	736.03	2,4–DIMETHYLHEXANE	0.37	2.97	22.57
62	744.36	C8 PARAFFIN	0.14	1.13	22.91
63		C8 PARAFFIN	0.00	0.00	
64	753.92	2,3,4–TRIMETHYLPENTANE	0.46	3.64	23.30
65	760.05	TOLUENE	7.33	51.28	23.55
66	762.99	2,3–DIMETHYLHEXANE	0.27	2.14	23.67
67	767.65	2–METHYLHEPTANE	0.34	2.74	23.86
68	775.25	3–METHYLHEPTANE	0.35	2.80	24.17
69		3–ETHYLHEXANE	0.00	0.00	
70	780.64	C8 PARAFFIN	0.32	2.55	24.39
71	786.27	2,2,5–TRIMETHYLHEXANE	0.14	1.25	24.62
72		DIMETHYLCYCLOHEXANE + 1–OCTENE	0.00	0.00	
73		C8 PARAFFIN	0.00	0.00	
74	800.00	n–OCTANE	0.30	2.40	25.18
75	806.95	PERCHLOROETHYLENE	1.56	3.11	25.44
76	818.98	C9 PARAFFIN	0.16	1.42	25.89
77		DIMETHYLHEPTANE	0.00	0.00	
78		C9 PARAFFIN	0.00	0.00	
79		C9 PARAFFIN	0.00	0.00	
80	839.30	2,5–DIMETHYLHEPTANE	0.17	1.53	26.65
81	845.19	3,3–DIMETHYLHEPTANE	0.12	1.10	26.87

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
82	858.02	ETHYLBENZENE	1.04	8.33	27.31
83	860.43	C9 OLEFFIN	0.12	1.11	27.44
84	865.24	m&p-XYLENE	3.32	26.58	27.62
85		4-METHYLOCTANE	0.00	0.00	
86		3-METHYLOCTANE	0.00	0.00	
87	873.80	C9 PARAFFIN	0.15	1.35	27.94
88	883.69	STYRENE	0.24	1.88	28.31
89	889.30	o-XYLENE	1.39	11.14	28.52
90		1-NONENE	0.00	0.00	
91	900.00	n-NONANE	0.28	2.53	28.92
92	916.33	C9 PARAFFIN	0.18	1.66	29.48
93	921.28	ISOPROPYLBENZENE	0.17	1.52	29.65
94		C10 PARAFFIN	0.00	0.00	
95		CYCLOOCTANE	0.00	0.00	
96	937.61	C10 PARAFFIN	0.19	1.86	30.21
97		C10 PARAFFIN	0.00	0.00	
98		a-PINENE	0.00	0.00	
99		C10 PARAFFIN	0.00	0.00	
100	952.77	n-PROPYLBENZENE	0.20	1.76	30.73
101	959.18	m-ETHYLTOLUENE	0.86	7.71	30.95
102	961.81	p-ETHYLTOLUENE	0.40	3.96	31.04
103	966.47	1,3,5-TRIMETHYLBENZENE	0.36	3.21	31.20
104	973.47	C10 PARAFFIN	0.22	2.15	31.44
105	979.01	o-ETHYLTOLUENE	0.27	2.40	31.63
106	989.80	C10 PARAFFIN	0.34	3.41	32.00
107	993.29	1,2,4-TRIMETHYLBENZENE	1.02	9.17	32.12
108		C10 PARAFFIN	0.00	0.00	
109	1000.00	n-DECANE	0.59	5.91	32.35
110	1009.15	SEC-BUTYLBENZENE	0.31	3.11	32.64
111	1019.87	C10 OLEFIN	0.17	1.68	32.98
112	1024.92	1,2,3-TRIMETHYLBENZENE	0.67	6.01	33.14
113		1-METHYL-4-ISOPROPYLBENZENE	0.00	0.00	
114	1030.91	C10 PARAFFIN	0.13	1.31	33.33
115	1039.75	C10 AROMATIC	0.26	2.60	33.61
116	1043.85	n-BUTYLCYCLOHEXANE	0.20	2.01	33.74
117	1048.90	1,3-DIETHYLBENZENE	0.16	1.62	33.90
118	1051.10	C10 AROMATIC	0.22	2.20	33.97
119	1056.47	1,4-DIETHYLBENZENE	0.38	3.76	34.14
120	1066.25	C10 AROMATIC	0.18	1.79	34.45
121	1073.19	C11 PARAFFIN	0.18	2.01	34.67

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.
122		2,6–DIMETHYLSTYRENE	0.00	0.00	
123	1078.23	1,3–DIMETHYL–4–ETHYLBENZENE	0.49	4.85	34.83
124	1086.44	C10 AROMATIC	0.42	4.16	35.09
125	1092.43	C10 AROMATIC	0.15	1.48	35.28
126		C10 AROMATIC	0.00	0.00	
127	1100.00	n–UNDECANE	0.71	7.85	35.52
128		C10 AROMATIC	0.24	2.42	35.84
129		1,2,4,5–TETRAMETHYLBENZENE	0.18	1.79	36.15
130		1,2,3,5–TETRAMETHYLBENZENE	0.14	1.43	36.28
131		C11 PARAFFIN	0.09	0.94	36.45
132		C10 AROMATIC	0.13	1.34	36.61
133		C10 AROMATIC	0.20	2.03	36.95
134		C11 PARAFFIN	0.00	0.00	
135		m–DIISOPROPYLBENZENE	0.00	0.00	
136		C11 AROMATIC	0.23	2.54	37.28
137		1,2,3,4,–TETRAMETHYLBENZENE	0.00	0.00	
138		C11 AROMATIC	0.00	0.00	
139		C11 AROMATIC	0.20	2.16	38.36
140		NAPHTHALENE	0.04	0.44	38.47
141		C11 AROMATIC	0.00	0.00	
142		n–DODECANE	0.00	0.00	
		TOTAL	131.98	636.94	

Total Aromatics	24.86	196.63
Total Paraffins	78.90	369.69
Total Olefins	27.13	87.00
Other	7.08	37.17
Total from #113	4.93	50.73

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Table A33

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.	Z	RTz	RTz+1
1		ETHYLENE			2.64			
2		ACETYLENE			2.70			
3		ETHANE			2.79			
4		PROPENE			4.15			
5		PROPANE			4.31			
6		ISOBUTANE			6.66			
7		BUTENE-1			7.74			
8		1,3-BUTADIENE						
9	400.02	n-BUTANE			8.12	4	8.12	12.28
10	411.81	trans-2-BUTENE			8.61	4	8.12	12.28
11	426.11	cis-2-BUTENE			9.21	4	8.12	12.28
12	442.41	C4 OLEFIN			9.89	4	8.12	12.28
13		C4 OLEFIN				4	8.12	12.28
14	457.49	3-METHYL-1-BUTENE			10.51	4	8.12	12.28
15	474.42	ISOPENTANE			11.22	4	8.12	12.28
16	489.37	1-PENTENE			11.84	4	8.12	12.28
17	496.23	2-METHYL-1-BUTENE			12.12	4	8.12	12.28
18	499.92	n-PENTANE			12.28	5	12.28	16.03
19	504.16	ISOPRENE			12.44	5	12.28	16.03
20	508.80	t-2-PENTENE			12.61	5	12.28	16.03
21	516.43	c-2-PENTENE			12.90	5	12.28	16.03
22	518.88	C5 OLEFIN			12.99	5	12.28	16.03
23	521.04	2-METHYL-2-BUTENE			13.07	5	12.28	16.03
24	531.65	C6 PARAFFIN			13.47	5	12.28	16.03
25	535.25	2,2-DIMETHYLBUTANE			13.60	5	12.28	16.03

Table A33 cont

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.	Z	RTz	RTz+1
26	551.44	CYCLOPENTENE			14.21	5	12.28	16.03
27	557.15	4-METHYL-1-PENTENE			14.42	5	12.28	16.03
28	561.95	CYCLOPENTANE			14.60	5	12.28	16.03
29	565.07	2,3-DIMETHYLBUTANE			14.72	5	12.28	16.03
30	569.95	2-METHYLPENTANE			14.90	5	12.28	16.03
31	572.75	C6 OLEFIN			15.01	5	12.28	16.03
32		UNKNOWN						16.03
33	583.28	3-METHYLPENTANE			15.40	5	12.28	16.03
34		2-METHYL-1-PENTENE +						16.03
	588.53	1-HEXENE			15.60	5	12.28	16.03
35	594.00	C6 OLEFIN			15.81	5	12.28	16.03
36	599.85	n-HEXANE			16.03	6	16.03	19.37
37		t-3-HEXENE						
38		t-2-HEXENE			16.19	6	16.03	19.37
39	607.43	C6 OLEFIN			16.28	6	16.03	19.37
40	610.27	C6 OLEFIN			16.37	6	16.03	19.37
41	611.68	C6 OLEFIN			16.42	6	16.03	19.37
42	626.59	METHYLCYCLOPENTANE			16.92	6	16.03	19.37
43	631.17	2,4-DIMETHYLPENTANE			17.07	6	16.03	19.37
44		2,3,3-TRIMETHYL-1-BUTENE +				6	16.03	19.37
	634.91	1,1,1-TRICHLOROETHANE			17.20	6	16.03	19.37
45	650.54	BENZENE			17.72	6	16.03	19.37
46		3,3-DIMETHYLPENTANE				6	16.03	19.37
47	660.12	CYCLOHEXANE			18.04	6	16.03	19.37
48	668.62	2-METHYLHEXANE			18.32	6	16.03	19.37
49	670.48	2,3-DIMETHYLPENTANE			18.38	6	16.03	19.37
50	677.07	3-METHYLHEXANE			18.60	6	16.03	19.37

Table A33 cont

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.	Z	RTz	RTz+1
51	680.30	C7 OLEFIN			18.71	6	16.03	19.37
52		1,3-DIMETHYLCYCLOPENTANE					16.03	19.37
53	686.71	3-ETHYLPENTANE			18.93	6	16.03	19.37
54	690.30	2,2,4-TRIMETHYLPENTANE			19.05	6	16.03	19.37
55	700.10	n-HEPTANE			19.37	7	19.37	22.4
56	704.85	C8 OLEFIN			19.52	7	19.37	22.4
57	723.40	METHYLCYCLOHEXANE			20.08	7	19.37	22.4
58	725.91	C8 PARAFFIN			20.16	7	19.37	22.4
59	733.47	2,5-DIMETHYLHEXANE			20.38	7	19.37	22.4
60	735.81	2,4-DIMETHYLHEXANE			20.46	7	19.37	22.4
61	743.27	C8 PARAFFIN			20.68	7	19.37	22.4
62	750.59	C8 PARAFFIN			20.90	7	19.37	22.4
63	753.07	2,3,4-TRIMETHYLPENTANE			20.98	7	19.37	22.4
64	757.85	TOLUENE			21.12	7	19.37	22.4
65	762.71	2,3-DIMETHYLHEXANE			21.27	7	19.37	22.4
66	767.46	2-METHYLHEPTANE			21.41	7	19.37	22.4
67	775.15	3-METHYLHEPTANE			21.65	7	19.37	22.4
68	776.67	3-ETHYLHEXANE			21.69	7	19.37	22.4
69	780.79	C8 PARAFFIN			21.82	7	19.37	22.4
70	786.01	2,2,5-TRIMETHYLHEXANE			21.98	7	19.37	22.4
71		DIMETHYLCYCLOHEXANE +				7	19.37	22.4
	790.10	1-OCTENE			22.10	7	19.37	22.4
72	792.61	C8 PARAFFIN			22.18	7	19.37	22.4
73	799.96	n-OCTANE			22.40	8	22.40	25.16
74	804.24	PERCHLOROETHYLENE			22.52	8	22.40	25.16
75	807.72	C9 PARAFFIN			22.61	8	22.40	25.16

Table A33 cont

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.	Z	RTz	RTz+1
76		DIMETHYLHEPTANE						
77	834.82	C9 PARAFFIN			23.36	8	22.40	25.16
78		C9 PARAFFIN				8	22.40	25.16
79	838.01	2,5-DIMETHYLHEPTANE			23.45	8	22.40	25.16
80		C9 PARAFFIN				8	22.40	25.16
81	854.46	ETHYLBENZENE			23.90	8	22.40	25.16
82	858.59	C9 OLEFFIN			24.02	8	22.40	25.16
83	862.72	m&p-XYLENE			24.13	8	22.40	25.16
84	866.41	4-METHYLOCTANE			24.23	8	22.40	25.16
85	873.77	3-METHYLOCTANE			24.44	8	22.40	25.16
86	877.75	C9 PARAFFIN			24.55	8	22.40	25.16
87	880.91	STYRENE			24.63	8	22.40	25.16
88	886.45	o-XYLENE			24.79	8	22.40	25.16
89	889.46	1-NONENE			24.87	8	22.40	25.16
90	899.88	n-NONANE			25.16	9	25.16	27.69
91	913.44	C9 PARAFFIN			25.50	9	25.16	27.69
92	919.25	ISOPROPYLBENZENE			25.65	9	25.16	27.69
93		C10 PARAFFIN				9	25.16	27.69
94	927.75	CYCLOOCTANE			25.86	9	25.16	27.69
95	931.70	C10 PARAFFIN			25.96	9	25.16	27.69
96	934.31	C10 PARAFFIN			26.03	9	25.16	27.69
97	942.41	a-PINENE			26.23	9	25.16	27.69
98	947.04	C10 PARAFFIN			26.35	9	25.16	27.69
99	949.92	n-PROPYLBENZENE			26.42	9	25.16	27.69
100		m-ETHYLTOLUENE				9	25.16	27.69

Table A33 cont

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.	Z	RTz	RTz+1
101	959.13	p-ETHYLTOLUENE			26.66	9	25.16	27.69
102	964.23	1,3,5-TRIMETHYLBENZENE			26.79	9	25.16	27.69
103	968.50	C10 PARAFFIN			26.89	9	25.16	27.69
104	975.97	o-ETHYLTOLUENE			27.08	9	25.16	27.69
105	982.09	C10 PARAFFIN			27.24	9	25.16	27.69
106	990.63	1,2,4-TRIMETHYLBENZENE			27.45	9	25.16	27.69
107	994.70	C10 PARAFFIN			27.56	9	25.16	27.69
108	1000.13	n-DECANE			27.69	10	27.69	30.04
109	1009.28	SEC-BUTYLBENZENE			27.91	10	27.69	30.04
110	1017.32	C10 OLEFIN			28.10	10	27.69	30.04
111	1020.89	1,2,3-TRIMETHYLBENZENE			28.18	10	27.69	30.04
112		1-METHYL-4-ISOPROPYLBENZENE				10	27.69	30.04
113	1025.79	C10 PARAFFIN			28.30	10	27.69	30.04
114	1035.36	C10 AROMATIC			28.52	10	27.69	30.04
115	1041.79	n-BUTYLCYCLOHEXANE			28.67	10	27.69	30.04
116	1045.83	1,3-DIETHYLBENZENE			28.77	10	27.69	30.04
117	1048.47	C10 AROMATIC			28.83	10	27.69	30.04
118	1054.17	1,4-DIETHYLBENZENE			28.96	10	27.69	30.04
119	1066.38	C10 AROMATIC			29.25	10	27.69	30.04
120	1069.53	C11 PARAFFIN			29.32	10	27.69	30.04
121		2,6-DIMETHYLSTYRENE				10	27.69	30.04
122	1077.40	1,3-DIMETHYL-4-ETHYLBENZENE			29.51	10	27.69	30.04
123	1083.19	C10 AROMATIC			29.65	10	27.69	30.04
124	1087.66	C10 AROMATIC			29.75	10	27.69	30.04
125	1093.70	C10 AROMATIC			29.89	10	27.69	30.04

Table A33 cont

PK #	RI	NAME	C(ppbv)	C(ppbC)	R.T.	Z	RTz	RTz+1
126	1099.95	n-UNDECANE			30.04	11	30.04	31.99
127	1106.51	C10 AROMATIC			30.17	11	30.04	31.99
128	1119.85	1,2,4,5-TETRAMETHYLBENZENE			30.43	11	30.04	31.99
129	1124.05	1,2,3,5-TETRAMETHYLBENZENE			30.51	11	30.04	31.99
130	1129.18	C11 PARAFFIN			30.61	11	30.04	31.99
131	1142.56	C10 AROMATIC			30.87	11	30.04	31.99
132	1147.69	C10 AROMATIC			30.97	11	30.04	31.99
133	1151.64	C11 PARAFFIN			31.05	11	30.04	31.99
134	1156.36	m-DIISOPROPYLBENZENE			31.14	11	30.04	31.99
135	1160.77	C11 AROMATIC			31.23	11	30.04	31.99
136	1163.23	1,2,3,4,-TETRAMETHYLBENZENE			31.27	11	30.04	31.99
137	1168.62	C11 AROMATIC			31.38	11	30.04	31.99
138	1174.00	C11 AROMATIC			31.48	11	30.04	31.99
139		DODECENE-1			31.99	11	30.04	31.99
140		C11 AROMATIC			32.09	11	30.04	31.99
141		n-DODECANE			32.22	12	31.99	31.99

CAN 345, BEST WESTERN

	ppbC	Iden. HC
TNMHC	1067.64	888.75
Ethane	50.35	
Ethene	38.80	
Propane	220.14	
Propene	12.70	
i-Buta	24.37	
n-Buta/Actyln	58.96	
C4 ALKE	0.45	
t2Bute	1.03	
1-Bute	1.81	
i-Bute	5.65	
CyPnta	2.71	
2MButa	69.37	
n-Pnta	27.94	
Propyne	0.65	
1,3Bdien	1.44	
3M1Bute	0.69	
t2Pnte	2.04	
C5 br ALKE	3.84	
2M1Bute	2.03	
C5 br ALKE	1.08	
MCyPnta	10.98	
CyHxa	2.90	
2,3DMButa	3.44	
C6 br ALKA	4.68	
2MPnta	12.75	
3MPnta	7.44	
n-Hxa	10.11	
C6 br ALKE	1.88	
isoprene	12.39	
C6 ALKE	0.28	
C6 ALKE	0.51	
2M1Pnte	0.43	
C6 br ALKE	0.45	
C6 br ALKE	0.52	
c3M2Pnte	0.86	
C7 br ALKA	3.21	
C7 br ALKA	1.30	
2,2DMPnta	3.24	
2,2,3TMButa	0.12	
EtCyPnta	1.42	
2,3DMPnta	5.29	
C7 br ALKA	4.67	
3MHxa	4.96	

Bzn	22.41
2,2,4TMPnta	6.75
C8 br ALKA	2.45
C8 br ALKA	0.77
C7 ALKA	0.47
n-Hpta	3.04
MIBK	0.82
MCyHxa	3.08
2,2DMHxa	0.38
2,5DMHxa	1.01
2,4DMHxa	1.29
Me3CyPnta	0.39
2,3,4TMPnta	2.25
Toluene	56.38
2,3DMHxa	0.88
2MHpta	1.27
C8 br ALKA	0.40
3MHpta	1.34
C8 br ALKA	1.34
C8 CyALKA	0.77
C8 ALKE	1.00
1 Octene	0.44
n-Octa	2.04
C3-CyHxa	0.58
EtBzn	10.66
1,1,4TMCyHxa	0.66
m-,p-Xylene	28.36
p-Xylene	19.51
Styrene	2.66
o-Xylene	17.37
Me3CyHxa	0.19
n-Nonane	0.64
C3-CyHxa	0.68
iPrBzn	0.23
a-Pinene	1.12
nPrBzn	3.33
EtMeHpta	1.30
m-EtToluene	11.07
p-EtToluene	8.29
1,3,5TMBzn	9.19
o-EtToluene	4.83
1,2,4TMBzn	27.66
Alkyl CyHxa	0.64
n-Deca/secBuBz	1.85
3-Carene	0.44
1,2,3TMBzn	4.34
n-Undeca	1.45
Naphthaln	0.83

	ppbC	Iden. HC
TNMHC	1288.76	1111.98
Ethane	72.47	
Ethene	38.80	
Propane	118.51	
Propene	17.03	
I-Buta	35.62	
n-Buta/Actyln	110.56	
C4 ALKE	1.06	
t2Bute	1.26	
1-Bute	2.80	
I-Bute	6.38	
C5 br ALKA	1.45	
CyPnta	5.28	
2MButa	114.14	
n-Pnta	50.10	
Propyne	1.58	
1,3Bdien	2.23	
3M1Bute	1.01	
C5 br ALKE	0.48	
t2Pnte	2.52	
C5 br ALKE	5.29	
2M1Bute	2.86	
C5 br ALKE	1.38	
MCyPnta	22.21	
CyHxa	4.77	
2,3DMButa	11.01	
2MPnta	32.47	
3MPnta	21.23	
n-Hxa	19.86	
C6 br ALKE	3.86	
Isoprene	5.40	
C6 ALKE	0.14	
C6 ALKE	0.27	
C6 ALKE	0.24	
4M1Pnte	0.72	
2M1Pnte	0.53	
C6 br ALKE	0.56	
C6 br ALKE	0.29	
C6 br ALKE	0.60	
c3M2Pnte	1.04	
C7 br ALKA	5.18	
C7 br ALKA	2.56	
2,4DMPnta	7.89	
2,2,3TMButa	0.25	
EtCyPnta	3.02	
2,3DMPnta	11.74	
C7 br ALKA	10.33	
3MHxa	10.18	
n-Hpta	0.19	
CyHpta	0.16	
Bzn	38.43	
2,2,4TMPnta	15.35	
C8 br ALKA	4.84	
C8 br ALKA	43.87	
Me3Pnta	0.56	
C7 ALKA	0.15	
n-Hpta	5.25	
MIBK	5.95	
MCyHxa	5.29	
2,2DMHxa	0.71	
2,5DMHxa	1.70	
2,4DMHxa	2.20	
Me3CyPnta	1.49	

	ppbC	Iden. HC
2MHpta	2.53	
C8 br ALKA	0.78	
3MHpta	2.74	
C8 br ALKA	1.25	
C8 CyALKA	2.83	
C8 ALKE	0.99	
1 Octene	0.33	
MCyHpta	0.16	
n-Octa	1.64	
2,2,4TMHxa	0.25	
C3-Hxa	0.24	
3,4DMHpta	0.30	
2,4DMHpta	0.24	
C3-CyHxa	1.56	
2,5DMHpta	0.51	
EtBzn	9.94	
1,1,4TMCyHxa	0.20	
m-Xylene	23.54	
p-Xylene	13.21	
4EtHpta	0.67	
2MOcta	1.04	
Styrene	0.68	
o-Xylene	13.77	
Me3CyHxa	0.23	
MeEtCyPnta	0.14	
n-Nonane	2.36	
C10 brALKA	0.52	
C3-CyHxa	0.20	
IPrBzn	0.51	
C3-CyHxa	0.17	
sBuCyPnta	0.40	
C4-CyPnta	3.09	
a-Pinene	1.26	
nPrBzn	3.27	
EtMeHpta	0.20	
m-EtToluene	7.98	
p-EtToluene	4.58	
1,3,5TMBzn	3.62	
o-EtToluene	2.23	
b-Pinene	0.43	
3,6DMOcta	0.20	
1,2,4TMBzn	11.24	
Myrcene/tBuBzn	0.23	
Alkyl CyHxa	0.59	
2-Carene	0.30	
n-Deca/secBuBz	2.31	
3-Carene	1.42	
1,2,3TMBzn	2.61	
C11 br ALKA	1.53	
d-Limonene	0.92	
C4-Bzn	0.39	
o-DiEtBzn	1.87	
nBuBzn	1.00	
C4-Bzn	1.64	
n-Undeca	2.56	
Naphthaln	0.28	

	ppbC	Iden. HC
TNMHC	857.13	652.52
Ethane	42.89	
Ethene	19.50	
Propane	133.77	
Propene	9.68	
i-Buta	29.03	
n-Buta/Actyln	49.10	
C4 ALKE	0.42	
t2Bute	1.01	
1-Bute	1.59	
i-Bute	4.55	
CyPnta	2.45	
2MButa	45.53	
n-Pnta	25.46	
Propyne	0.63	
1,3Bdien	1.51	
3M1Bute	0.53	
C5 br ALKE	0.46	
t2Pnte	2.03	
C5 br ALKE	3.90	
2M1Bute	1.90	
C5 br ALKE	1.07	
MCyPnta	9.45	
CyHxa	2.58	
2,3DMButa	4.63	
2MPnta	12.61	
3MPnta	8.50	
C6 br ALKA	0.16	
n-Hxa	8.75	
C6 br ALKE	1.51	
isoprene	13.95	
C6 br ALKE	0.17	
C6 br ALKE	0.22	
C6 br ALKE	0.52	
4M1Pnte	0.18	
2M1Pnte	0.43	
C6 br ALKE	0.30	
C6 br ALKE	0.19	
C6 br ALKE	0.45	
c3M2Pnte	0.77	
C7 br ALKA	2.36	
C7 br ALKA	1.07	
2,2DMPnta	2.96	
2,2,3TMButa	0.12	
EtCyPnta	1.01	
2,3DMPnta	3.80	
C7 br ALKA	4.24	
3MHxa	3.95	
C7 br ALKA	0.24	
CyHpta	0.19	
Bzn	20.35	
2,2,4TMPnta	5.16	
C8 br ALKA	2.22	
C8 br ALKA	0.25	
C8 br ALKA	6.34	

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	ppbC	Iden. HC
MIBK	0.68	
2,2DMHxa	2.67	
MCyHxa	2.23	
2,2DMHxa	0.30	
2,5DMHxa	0.41	
2,4DMHxa	0.51	
Me3CyPnta	0.23	
2,3,4TMPnta	1.96	
Toluene	37.74	
2,3DMHxa	0.63	
C8 br ALKA	0.14	
3MHpta	0.97	
C8 br ALKA	0.85	
C8 CyALKA	0.57	
C8 ALKE	0.25	
1 Octene	0.27	
n-Octa	1.16	
C3-Hxa	0.10	
2,4DMHpta	0.36	
C3-CyHxa	0.68	
2,5DMHpta	0.17	
EtBzn	5.90	
m-Xylene	17.20	
p-Xylene	9.63	
4EtHpta	0.14	
2MOcta	0.17	
Styrene	0.73	
o-Xylene	10.34	
Me3CyHxa	0.11	
MeEtCyPnta	0.12	
n-Nonane	1.22	
C10 brALKA	0.24	
C3-CyHxa	0.08	
iPrBzn	0.53	
sBuCyPnta	0.22	
C4-CyPnta	5.40	
a-Pinene	0.56	
3MNona	0.07	
nPrBzn	2.21	
EtMeHpta	0.28	
m-EtToluene	7.03	
p-EtToluene	4.24	
1,3,5TMBzn	3.84	
o-EtToluene	2.12	
b-Pinene	0.24	
3,6DMOcta	0.09	
1,2,4TMBzn	12.21	
2-Carene	2.14	
1,2,3TMBzn	4.88	
d-Limonene	1.97	
C4-Bzn	0.17	
o-DiEtBzn	0.11	
nBuBzn	1.28	
g-Terpinene	2.21	
C4-Bzn	0.22	
n-Undeca	0.36	
Dodecane	0.15	

CAN 347, BEST WESTERN

	ppbC	Iden. HC
TNMHC	918.5475	676.4596
Ethane	47.51	
Ethene	28.66	
Propane	112.24	
Propene	10.17	
i-Buta	36.87	
n-Buta/Actyln	68.91	
C4 ALKE	0.58	
t2Bute	0.78	
1-Bute	1.79	
i-Bute	4.44	
CyPnta	3.00	
2MButa	62.49	
n-Pnta	29.86	
Propyne	0.95	
1,3Bdien	1.33	
3M1Bute	0.61	
C5 br ALKE	0.33	
t2Pnte	1.52	
C5 br ALKE	3.30	
2M1Bute	1.62	
C5 br ALKE	0.83	
MCyPnta	11.94	
CyHxa	2.91	
2,3DMButa	5.52	
2MPnta	16.60	
3MPnta	11.07	
n-Hxa	10.78	
C6 br ALKE	1.53	
isoprene	9.32	
C6 ALKE	0.18	
C6 ALKE	0.83	
2M1Pnte	0.27	
C6 br ALKE	0.32	
C6 br ALKE	0.15	
C6 br ALKE	0.35	
c3M2Pnte	0.74	
C7 br ALKA	0.51	
C7 br ALKA	2.78	
C7 br ALKA	1.33	
2,2DMPnta	3.70	
2,2,3TMButa	0.15	
EtCyPnta	1.42	
2,3DMPnta	4.91	

C7 br ALKA	5.18
3MHxa	5.13
CyHpta	0.15
Bzn	21.57
C8 br ALKA	6.93
C8 br ALKA	2.94
C8 br ALKA	0.35
C7 ALKA	2.08
C7 ALKA	0.10
n-Hepta	2.80
MIBK	0.33
2,2DMHxa	3.13
MCyHxa	2.83
2,2DMHxa	0.38
2,5DMHxa	0.46
2,4DMHxa	0.57
Me3CyPnta	0.37
2,3,4TMPnta	2.15
Toluene	39.00
2,3DMHxa	0.83
2MHpta	1.05
C8 br ALKA	0.13
3MHpta	1.23
C8 CyALKA	0.78
C8 ALKE	1.27
1 Octene	0.15
n-Octa	1.37
2,2,4TMHxa	0.05
C3-Hxa	0.12
3,4DMHpta	0.16
C3-CyHxa	0.94
2,5DMHpta	0.21
EtBzn	5.12
1,1,4TMCyHxa	0.17
m-Xylene	12.00
p-Xylene	7.42
4EtHpta	0.15
Styrene	0.57
o-Xylene	8.26
Me3CyHxa	0.11
n-Nonane	1.32
C10 brALKA	0.32
C3-CyHxa	0.15
iPrBzn	0.58
sBuCyPnta	0.28
C4-CyPnta	4.17
a-Pinene	0.90
nPrBzn	1.77

m-EtToluene	4.17
p-EtToluene	2.54
1,3,5TMBzn	1.85
o-EtToluene	1.30
b-Pinene	0.22
1,2,4TMBzn	5.94
Myrcene/tBuBzn	0.29
2-Carene	1.45
1,2,3TMBzn	1.55
d-Limonene	0.11
PropenylBzn	1.02
C4-Bzn	0.29
o-DiEtBzn	0.38
nBuBzn	0.20
C4-Bzn	1.34
C12 br ALKA	0.10
n-Undeca	0.19
Dodeca	0.39

CAN 357, LINCOLN PARK

	ppbC	Iden. HC
TNMHC	721.93	585.62
Ethane	41.35	
Ethene	27.25	
Propane	54.50	
Propene	11.13	
i-Buta	21.44	
n-Buta/Actyln	63.39	
C4 ALKE	0.66	
t2Bute	1.24	
1-Bute	2.00	
i-Bute	3.96	
CyPnta	3.52	
2MButa	73.79	
n-Pnta	31.22	
Propyne	0.87	
1,3Bdien	1.97	
3M1Bute	0.68	
C5 br ALKE	0.53	
t2Pnte	2.15	
C5 br ALKE	4.45	
2M1Bute	2.39	
C5 br ALKE	1.29	
MCyPnta	13.48	
CyHxa	3.26	
2,3DMButa	3.41	
C6 br ALKA	5.34	
2MPnta	17.45	
3MPnta	11.63	
C6 br ALKA	0.17	
n-Hxa	10.85	
C6 br ALKE	0.81	
isoprene	1.83	
C6 ALKE	0.22	
C6 ALKE	0.26	
C6 ALKE	0.65	
C6 ALKE	0.25	
2M1Pnte	0.43	
C6 br ALKE	0.14	
C6 br ALKE	0.30	
C6 br ALKE	0.50	
c3M2Pnte	0.72	
C7 br ALKA	0.88	
C7 br ALKA	0.42	
C7 br ALKA	3.72	
C7 br ALKA	1.30	
2,4DMPnta	3.48	
2,2,3TMButa	0.17	
EtCyPnta	0.74	
2,3DMPnta	5.22	
C7 br ALKA	4.65	
3MHxa	4.88	
CyHpta	0.09	
C7 CyALKA	0.03	
Bzn	18.46	
2,2,4TMPnta	5.65	
C8 br ALKA	2.40	
C8 br ALKA	0.19	
C8 br ALKA	0.42	

	ppbC	Iden. HC
Me3Pnta	0.24	
C7 ALKA	0.03	
n-Hepta	2.48	
MIBK	0.48	
2,2DMHxa	0.32	
MCyHxa	3.52	
2,2DMHxa	0.35	
2,5DMHxa	0.58	
2,4DMHxa	0.88	
Me3CyPnta	0.41	
2,3,4TMPnta	1.85	
Toluene	25.72	
2,3DMHxa	0.69	
2MHpta	0.57	
C8 br ALKA	0.08	
3MHpta	0.79	
C8 br ALKA	0.65	
C8 CyALKA	0.38	
C8 ALKE	0.19	
1 Octene	0.10	
n-Octa	0.54	
2,4DMHpta	0.09	
C3-CyHxa	0.63	
EtBzn	3.97	
m-,p-Xylene	20.09	
2MOcta	0.43	
Styrene	0.76	
o-Xylene	7.92	
Me3CyHxa	0.04	
n-Nonane	0.85	
C10 brALKA	0.25	
iPrBzn	0.43	
sBuCyPnta	0.13	
C4-CyPnta	0.44	
a-Pinene	0.77	
nPrBzn	1.87	
m-EtToluene	5.39	
p-EtToluene	3.21	
1,3,5TMBzn	3.04	
o-EtToluene	1.71	
b-Pinene	0.11	
3,6DMOcta	0.06	
1,2,4TMBzn	9.75	
Myrcene/tBuBzn	0.24	
Alkyl CyHxa	0.13	
2-Carene	0.27	
1,2,3TMBzn	1.15	
d-Limonene	1.92	
PropenylBzn	0.93	
o-DiEtBzn	0.12	
nBuBzn	0.08	
g-Terpinene	1.18	
C4-Bzn	0.71	
C12 br ALKA	0.18	
n-Undeca	0.86	
Naphthain	0.79	
Dodeca	0.10	

	ppbC	Iden. HC
TNMHC	1893.17	1726.44
Ethane	70.62	
Ethene	54.16	
Propane	88.76	
Propene	16.62	
i-Buta	41.72	
Actyln	43.53	
n-Buta	118.74	
t2Bute	2.18	
1-Bute	3.15	
i-Bute	5.79	
2,2DMPrpa	2.45	
CyPnta	11.01	
2MButa	247.66	
n-Pnta	104.82	
Propyne	1.96	
1,3Bdien	1.57	
3M1Bute	2.41	
C5 br ALKE	1.70	
t2Pnte	8.06	
C5 br ALKE	17.54	
2M1Bute	7.93	
C5 br ALKE	4.49	
MCyPnta	45.03	
Cyhxa	10.93	
2,3DMButa	22.61	
2MPnta	64.53	
3MPnta	44.60	
n-Hxa	35.01	
C6 br ALKE	1.52	
C6 br ALKE	1.26	
Isoprene	3.55	
C6 ALKE	0.99	
C6 ALKE	0.42	
C6 ALKE	0.67	
C6 ALKE	0.78	
4M1Pnte	2.77	
C6 ALKE	1.09	
2M1Pnte	1.51	
C6 br ALKE	0.54	
C6 br ALKE	0.98	
C6 br ALKE	1.78	
c3M2Pnte	4.09	
C7 br ALKA	2.23	
C7 br ALKA	0.64	
C7 br ALKA	10.09	
C7 br ALKA	5.39	
2,4DMPnta	15.64	
2,2,3TMButa	0.58	
EtCyPnta	5.81	
2,3DMPnta	21.42	
C7 br ALKA	15.93	
3MHxa	15.90	
n-Hpta	0.45	
CyHpta	0.25	
C7 CyALKA	0.23	
Bzn	51.68	
2,2,4TMPnta	43.96	
C8 br ALKA	21.58	
C8 br ALKA	2.79	
C8 br ALKA	0.18	
C8 br ALKA	0.90	
C8 br ALKA	0.30	
C8 br ALKA	0.53	
C8 br ALKA	2.08	
Me3Pnta	2.35	
C7 ALKA	1.07	
C7 ALKA	1.31	

	ppbC	Iden. HC
C7 ALKA	1.63	
n-Hepta	11.76	
MIBK	3.77	
2,2DMHxa	0.75	
MCyHxa	13.57	
2,2DMHxa	1.85	
2,5DMHxa	5.20	
2,4DMHxa	6.36	
Me3CyPnta	1.70	
2,3,4TMPnta	18.36	
Toluene	110.57	
2,3DMHxa	3.91	
2MeEtPnta	0.16	
2MHpta	3.68	
C8 br ALKA	1.73	
4MHpta	1.92	
3MHpta	4.44	
C8 br ALKA	3.44	
C8 CyALKA	5.20	
C8 ALKE	3.98	
1 Octene	2.29	
MCyHpta	1.47	
DMCyHxa	0.84	
n-Octa	1.89	
2-Octene	1.00	
2,2,4TMHxa	0.26	
C3-Hxa	0.35	
3,4DMHpta	0.37	
2,4DMHpta	0.55	
C3-CyHxa	2.40	
2,5DMHpta	0.96	
3,3DMHpta	0.56	
3,5DMHpta	0.09	
EtBzn	12.85	
2,3,4TMHxa	0.03	
m-Xylene	19.38	
p-Xylene	24.30	
C8 br ALKA	0.05	
4EtHpta	2.07	
2MOcta	2.47	
Styrene	2.69	
o-Xylene	17.10	
Me3CyHxa	3.25	
n-Nonane	3.43	
C10 brALKA	1.08	
C3-CyHxa	0.60	
iPrBzn	0.62	
C3-CyHxa	0.32	
sBuCyPnta	0.39	
C4-CyPnta	0.60	
a-Pinene	2.56	
nPrBzn	3.83	
m-EtToluene	9.00	
p-EtToluene	5.01	
1,3,5TMBzn	3.26	
o-EtToluene	3.10	
b-Pinene	0.26	
1,2,4TMBzn	16.05	
Myrcene/tBuBz	11.06	
Alkyl CyHxa	0.27	
2-Carene	0.38	
n-Deca/secBu	4.70	
1,2,3TMBzn	4.09	
d-Limonene	1.15	
PropenylBzn	1.62	
C4-Bzn	0.78	
o-DiEtBzn	3.97	
nBuBzn	2.14	
C4-Bzn	4.39	
C12 br ALKA	2.15	
n-Undeca	0.69	
Naphthaln	11.43	
Dodeca	1.46	

	ppbC	Iden. HC
TNMHC	658.81	530.43
Ethane	45.59	
Ethene	19.19	
Propane	53.81	
Propene	10.14	
i-Buta	19.60	
n-Buta/Actyln	59.32	
C4 ALKE	0.18	
t2Bute	0.77	
1-Bute	1.57	
i-Bute	3.18	
CyPnta	3.55	
2MButa	59.92	
n-Pnta	35.39	
Propyne	0.63	
1,3Bdien	1.17	
3M1Bute	0.65	
C5 br ALKE	0.39	
t2Pnte	1.68	
C5 br ALKE	3.35	
2M1Bute	1.85	
C5 br ALKE	0.99	
MCyPnta	12.95	
CyHxa	3.26	
2,3DMButa	1.64	
C6 br ALKA	4.70	
2MPnta	15.73	
3MPnta	10.72	
n-Hxa	11.71	
C6 br ALKE	1.11	
isoprene	3.08	
C6 ALKE	0.24	
C6 ALKE	0.10	
C6 ALKE	0.16	
C6 ALKE	0.17	
C6 ALKE	0.48	
2M1Pnte	0.35	
C6 br ALKE	0.10	
C6 br ALKE	0.16	
C6 br ALKE	0.40	
c3M2Pnte	0.63	
C7 br ALKA	0.58	
C7 br ALKA	3.80	
C7 br ALKA	1.52	
2,2DMPnta	3.39	
EtCyPnta	1.93	
2,3DMPnta	4.67	
C7 br ALKA	4.19	
3MHxa	4.12	
Bzn	14.85	
2,2,4TMPnta	4.70	
C8 br ALKA	0.10	
C8 br ALKA	1.82	
C8 br ALKA	2.34	
C8 br ALKA	0.13	
C8 br ALKA	0.24	

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	ppbC	Iden. HC
Me3Pnta	0.44	
C7 ALKA	0.29	
C7 ALKA	0.03	
n-Hepta	2.39	
2,2DMHxa	1.01	
MCyHxa	3.65	
2,2DMHxa	0.31	
2,5DMHxa	0.46	
2,4DMHxa	0.80	
Me3CyPnta	0.34	
2,3,4TMPnta	1.55	
Toluene	25.46	
2,3DMHxa	0.45	
2MHpta	0.83	
C8 br ALKA	0.31	
3MHpta	0.65	
C8 br ALKA	0.58	
C8 CyALKA	0.63	
C8 ALKE	0.54	
1 Octene	0.09	
MCyHpta	0.09	
n-Octa	0.33	
3,4DMHpta	0.11	
C3-CyHxa	0.61	
2,5DMHpta	0.14	
EtBzn	2.68	
m-Xylene	6.98	
p-Xylene	6.47	
4EtHpta	0.09	
2MOcta	0.10	
Styrene	0.43	
o-Xylene	4.83	
Me3CyHxa	0.16	
n-Nonane	0.51	
C10 brALKA	0.19	
iPrBzn	0.20	
sBuCyPnta	0.13	
C4-CyPnta	0.40	
a-Pinene	0.65	
nPrBzn	1.32	
m-EtToluene	3.41	
p-EtToluene	1.96	
1,3,5TMBzn	2.00	
o-EtToluene	1.06	
b-Pinene	0.21	
3,6DMOcta	0.07	
1,2,4TMBzn	5.51	
Myrcene/tBuBzn	0.47	
Alkyl CyHxa	0.93	
2-Carene	0.12	
n-Deca/secBuBz	1.34	
1,2,3TMBzn	1.45	
C11 br ALKA	0.09	
d-Limonene	0.61	
C4-Bzn	0.30	
o-DiEtBzn	0.17	
nBuBzn	0.37	
C4-Bzn	1.54	
C12 br ALKA	1.04	
n-Undeca	0.96	
Naphthaln	0.63	

CAN 356, LINCOLN PARK

	ppbC	Iden. HC
TNMHC	533.58	478.79
Ethane	31.92	
Ethene	26.93	
Propane	39.90	
Propene	5.90	
i-Buta	18.03	
n-Buta/Actyln	61.25	
C4 br ALKE	0.48	
t2Bute	0.32	
1-Bute	1.09	
i-Bute	2.07	
CyPnta	2.77	
2MButa	59.56	
n-Pnta	27.15	
Propyne	0.78	
1,3Bdien	0.48	
3M1Bute	0.44	
t2Pnte	0.52	
C5 br ALKE	1.62	
2M1Bute	0.92	
C5 br ALKE	0.32	
MCyPnta	9.99	
CyHxa	2.16	
2,3DMButa	5.53	
2MPnta	14.13	
3MPnta	9.53	
n-Hxa	7.49	
C6 br ALKE	0.71	
isoprene	2.10	
4M1Pnte	0.28	
c3M2Pnte	0.22	
c3M2Pnte	0.39	
C7 br ALKA	0.28	
C7 br ALKA	1.91	
C7 br ALKA	0.62	
2,4DMPnta	2.85	
EtCyPnta	2.27	
2,3DMPnta	4.09	
3MHxa	3.17	
3MHxa	3.36	
Bzn	15.36	
2,2,4TMPnta	4.14	
C8 br ALKA	2.23	
C8 br ALKA	0.32	
C8 br ALKA	0.47	
C8 br ALKA	15.80	

	ppbC	Iden. HC
Me3Pnta	0.34	
C7 ALKA	0.15	
n-Hepta	2.64	
MIBK	0.29	
MCyHxa	2.40	
2,5DMHxa	0.21	
2,4DMHxa	0.20	
Me3CyPnta	0.17	
Me3CyPnta	0.26	
2,3,4TMPnta	1.16	
Toluene	19.82	
2,3DMHxa	0.28	
2MHpta	0.30	
3MHpta	0.26	
C8 CyALKA	1.64	
n-Octa	0.56	
C3-CyHxa	0.21	
EtBzn	2.45	
m-Xylene	4.67	
p-Xylene	5.39	
o-Xylene	4.81	
Me3CyHxa	3.83	
n-Nonane	1.40	
iPrBzn	0.38	
C4-CyPnta	0.23	
a-Pinene	1.48	
nPrBzn	1.47	
m-EtToluene	2.87	
p-EtToluene	2.19	
1,3,5TMBzn	1.00	
o-EtToluene	0.93	
1,2,4TMBzn	3.80	
Myrcene/tBuBzn	4.73	
Alkyl CyHxa	0.22	
2-Carene	0.07	
n-Deca/secBuBz	1.43	
1,2,3TMBzn	1.11	
d-Limonene	1.08	
PropenylBzn	0.14	
C4-Bzn	0.16	
o-DiEtBzn	0.79	
nBuBzn	0.17	
g-Terpinene	0.18	
C4-Bzn	0.83	
n-Undeca	1.86	
Naphthln	2.48	
Dodeca	3.89	

	ppbC	Iden. HC
TNMHC	1104.222	1053.358
Ethane	72.46	
Ethene	51.50	
Propane	70.87	
Propene	23.29	
i-Buta	31.91	
n-Buta/Actyln	100.86	
C4 ALKE	1.22	
t2Bute	2.27	
1-Bute	3.99	
i-Bute	8.92	
CyPnta	5.29	
2MButa	99.33	
n-Pnta	47.54	
Propyne	1.83	
1,3Bdien	3.67	
3M1Bute	1.33	
C5 br ALKE	1.18	
t2Pnte	4.29	
C5 br ALKE	8.90	
2M1Bute	4.75	
C5 br ALKE	2.36	
MCyPnta	21.02	
CyHxa	4.63	
2,3DMButa	9.27	
2MPnta	28.83	
3MPnta	19.11	
C6 br ALKA	0.38	
n-Hxa	17.51	
C6 br ALKE	1.68	
C6 br ALKE	0.20	
isoprene	3.47	
C6 br ALKE	0.23	
C6 br ALKE	0.40	
C6 br ALKE	0.48	
C6 br ALKE	1.31	
4M1Pnte	0.45	
2M1Pnte	0.93	
C6 br ALKE	0.71	
C6 br ALKE	0.68	
C6 br ALKE	0.22	
C6 br ALKE	1.04	
c3M2Pnte	1.77	
C6 br ALKE	0.86	
C7 br ALKA	5.27	
C7 br ALKA	2.49	
2,4DMPnta	6.52	
C7 br ALKA	0.29	
2,2,3TMButa	0.27	
EtCyPnta	1.53	
2,3DMPnta	9.14	
C7 br ALKA	8.39	
3MHxa	8.80	
CyHpta	0.35	
C7 CyALKA	0.14	
Bzn	34.17	
2,2,4TMPnta	11.51	
C8 CyALKA	5.92	
C8 CyALKA	0.23	
C8 CyALKA	0.35	
C8 CyALKA	0.79	

	ppbC	Iden. HC
Me3Pnta	0.81	
C7 ALKA	0.48	
C7 ALKA	0.35	
n-Hepta	6.51	
MIBK	2.44	
2,2DMHxa	0.25	
MCyHxa	6.27	
2,2DMHxa	1.01	
2,5DMHxa	1.56	
2,4DMHxa	2.13	
Me3CyPnta	0.88	
2,3,4TMPnta	3.99	
Toluene	69.45	
2,3DMHxa	1.31	
2MeEtPnta	0.08	
2MHpta	1.91	
C8 br ALKA	1.57	
3MHpta	1.78	
C8 br ALKA	2.05	
C8 CyALKA	1.02	
C8 ALKE	1.55	
1 Octene	0.59	
n-Octa	2.16	
2,2,4TMHxa	0.08	
C3-Hxa	0.16	
3,4DMHpta	0.18	
2,4DMHpta	0.19	
C3-CyHxa	1.04	
2,5DMHpta	0.31	
EtBzn	11.27	
m-Xylene	51.23	
C8 br ALKA	0.04	
4EtHpta	0.36	
2MOcta	0.73	
Styrene	1.87	
o-Xylene	19.72	
Me3CyHxa	0.33	
MeEtCyPnta	0.20	
n-Nonane	1.79	
C10 brALKA	0.37	
iPrBzn	1.04	
C3-CyHxa	0.20	
sBuCyPnta	0.39	
C4-CyPnta	0.97	
a-Pinene	1.28	
nPrBzn	3.68	
m-EtToluene	13.06	
p-EtToluene	6.67	
1,3,5TMBzn	8.41	
o-EtToluene	4.88	
b-Pinene	0.19	
3,6DMOcta	0.13	
1,2,4TMBzn	27.24	
Alkyl CyHxa	0.85	
2-Carene	0.25	
n-Deca/secBuBz	1.98	
1,2,3TMBzn	7.10	
C11 br ALKA	1.42	
d-Limonene	1.10	
PropenylBzn	0.69	
C4-Bzn	0.14	
o-DiEtBzn	0.75	
nBuBzn	2.31	
C4-Bzn	3.38	
C12 br ALKA	3.02	
n-Undeca	1.81	
Dodecane	1.26	

	ppbC	Iden. HC
TNMHC	1456.52	1378.20
Ethane	99.98	
Ethene	70.89	
Propane	111.77	
Propene	19.88	
i-Buta	45.45	
Actyln	33.61	
n-Buta	129.94	
C4 ALKE	0.30	
t2Bute	0.82	
1-Bute	3.20	
i-Bute	6.55	
CyPnta	7.74	
2MButa	162.19	
n-Pnta	70.13	
Propyne	2.68	
1,3Bdien	1.77	
3M1Bute	1.25	
t2Pnte	1.32	
C5 br ALKE	4.15	
2M1Bute	2.49	
C5 br ALKE	0.80	
MCyPnta	30.36	
CyHxa	6.34	
2,3DMButa	14.24	
2MPnta	43.98	
3MPnta	29.68	
C5 br ALKA	0.26	
C5 br ALKA	0.14	
n-Hxa	25.13	
C6 br ALKE	1.96	
isoprene	3.37	
C6 br ALKE	0.29	
C6 br ALKE	0.19	
4M1Pnte	0.77	
2M1Pnte	0.32	
C6 br ALKE	0.65	
C6 br ALKE	0.36	
C6 br ALKE	0.53	
c3M2Pnte	1.08	
C6 br ALKE	1.58	
C7 br ALKA	0.26	
C7 br ALKA	7.13	
C7 br ALKA	3.41	
2,2DMPnta	9.73	
2,2,3TMButa	0.41	
EtCyPnta	6.37	
2,3DMPnta	15.03	
C7 br ALKA	12.69	
3MHxa	13.76	
C7 br ALKA	0.17	
C7 br ALKA	0.50	
CyHpta	0.12	
C7 CyALKA	0.11	
Bzn	53.87	
2,2,4TMPnta	16.74	
C8 CyALKA	0.22	
C8 CyALKA	8.24	
C8 CyALKA	0.78	
C8 CyALKA	0.16	
C8 CyALKA	0.32	
C8 CyALKA	0.80	

	ppbC	Iden. HC
Me3Pnta	2.21	
C7 ALKA	3.24	
n-Hepta	12.04	
MIBK	5.41	
MCyHxa	9.19	
2,2DMHxa	1.39	
2,5DMHxa	2.11	
2,4DMHxa	3.29	
Me3CyPnta	0.94	
2,3,4TMPnta	4.95	
Toluene	79.22	
2,3DMHxa	1.59	
2MHpta	2.26	
C8 br ALKA	1.50	
4MHpta	0.38	
3MHpta	2.48	
C8 br ALKA	2.47	
C8 CyALKA	3.21	
C8 ALKE	3.08	
1 Octene	1.40	
MCyHpta	1.22	
DMCyHxa	0.13	
n-Octa	3.30	
2,2,4TMHxa	0.17	
C3-Hxa	0.24	
3,4DMHpta	0.23	
2,4DMHpta	0.29	
C3-CyHxa	1.50	
2,5DMHpta	0.64	
3,3DMHpta	0.34	
EtBzn	10.90	
m-Xylene	16.03	
p-Xylene	18.89	
C8 br ALKA	0.03	
4EtHpta	0.37	
2MOcta	0.76	
Styrene	0.88	
o-Xylene	14.78	
Me3CyHxa	1.10	
MeEtCyPnta	0.31	
n-Nonane	2.01	
C10 brALKA	0.39	
iPrBzn	0.89	
C3-CyHxa	0.22	
sBuCyPnta	0.48	
C4-CyPnta	1.07	
a-Pinene	3.87	
nPrBzn	6.56	
m-EtToluene	8.05	
p-EtToluene	2.26	
1,3,5TMBzn	2.65	
o-EtToluene	3.10	
b-Pinene	0.94	
1,2,4TMBzn	12.05	
Myrcene/tBuBzn	4.16	
Alkyl CyHxa	1.91	
n-Deca/secBuBz	3.25	
3-Carene	0.12	
1,2,3TMBzn	2.71	
d-Limonene	2.87	
PropenylBzn	0.60	
C4-Bzn	0.77	
o-DiEtBzn	2.84	
nBuBzn	1.98	
g-Terpinene	0.46	
C4-Bzn	3.71	
C12 br ALKA	1.44	
n-Undeca	0.61	
Naphthaln	2.73	
Dodecane	0.10	

	ppbC	Iden. HC
TNMHC	905.3437	853.297
Ethane	68.46	
Ethene	36.43	
Propane	77.30	
Propene	15.38	
i-Buta	27.35	
Actyln	16.18	
n-Buta	77.07	
C4 ALKE	0.22	
t2Bute	1.49	
1-Bute	2.54	
i-Bute	6.10	
CyPnta	5.36	
2MButa	92.97	
n-Pnta	49.62	
Propyne	1.27	
1,3Bdien	2.26	
3M1Bute	1.09	
C5 br ALKE	0.72	
t2Pnte	3.29	
C5 br ALKE	6.39	
2M1Bute	3.55	
C5 br ALKE	1.88	
MCyPnta	20.07	
CyHxa	4.65	
2,3DMButa	8.33	
2MPnta	26.35	
3MPnta	17.25	
C6 br ALKA	0.21	
n-Hxa	15.66	
C6 br ALKE	1.49	
C6 br ALKE	0.10	
isoprene	2.00	
C6 br ALKE	0.19	
C6 br ALKE	0.29	
C6 br ALKE	0.33	
C6 br ALKE	0.89	
C6 br ALKE	0.24	
2M1Pnte	0.62	
C6 br ALKE	0.09	
C6 br ALKE	0.22	
C6 br ALKE	0.44	
C6 br ALKE	0.76	
c3M2Pnte	1.06	
C6 br ALKE	1.10	
C7 br ALKA	5.72	
C7 br ALKA	2.48	
2,4DMPnta	5.32	
2,2,3TMButa	0.23	
EtCyPnta	2.01	
2,3DMPnta	7.93	
C7 br ALKA	6.67	
3MHxa	7.25	
CyHpta	0.10	
C7 CyALKA	0.11	
Bzn	24.55	
2,2,4TMPnta	8.41	
C8 br ALKA	4.99	
C8 br ALKA	0.17	
C8 br ALKA	0.79	
Me3Pnta	0.64	
C7 ALKA	0.16	
C7 ALKA	0.12	
n-Hepta	4.69	
MIBK	0.38	

	ppbC	Iden. HC
MCyHxa	6.09	
2,2DMHxa	0.93	
2,5DMHxa	1.21	
2,4DMHxa	1.53	
Me3CyPnta	1.00	
2,3,4TMPnta	2.84	
Toluene	48.51	
2,3DMHxa	1.13	
2MeEtPnta	0.04	
2MHpta	1.44	
C8 br ALKA	0.83	
4MHpta	0.37	
3MHpta	1.33	
C8 br ALKA	1.85	
C8 CyALKA	0.84	
C8 ALKE	0.95	
1 Octene	0.53	
MCyHpta	0.53	
n-Octa	0.92	
C3-Hxa	0.08	
3,4DMHpta	0.13	
2,4DMHpta	0.26	
C3-CyHxa	0.95	
2,5DMHpta	0.38	
3,3DMHpta	0.09	
EtBzn	5.78	
1,1,4TMCyHxa	0.58	
m-,p-Xylene	27.08	
C8 br ALKA	0.07	
4EtHpta	0.23	
2MOcta	0.59	
Styrene	1.77	
o-Xylene	10.10	
Me3CyHxa	0.30	
MeEtCyPnta	0.17	
n-Nonane	1.67	
C10 brALKA	0.54	
C3-CyHxa	0.17	
iPrBzn	0.60	
C3-CyHxa	0.18	
sBuCyPnta	0.30	
C4-CyPnta	0.38	
a-Pinene	1.08	
3MNona	0.04	
nPrBzn	1.96	
EtMeHpta	0.11	
m-EtToluene	6.42	
p-EtToluene	3.42	
1,3,5TMBzn	3.76	
o-EtToluene	2.23	
b-Pinene	0.27	
3,6DMOcta	0.12	
1,2,4TMBzn	11.35	
Myrcene/tBuBzn	0.53	
Alkyl CyHxa	0.87	
2-Carene	0.09	
n-Deca/secBuBz	1.74	
3-Carene	0.08	
1,2,3TMBzn	2.92	
C11 br ALKA	0.88	
d-Limonene	0.34	
PropenylBzn	0.87	
C4-Bzn	0.23	
o-DiEtBzn	0.37	
nBuBzn	0.50	
C4-Bzn	2.20	
C12 br ALKA	1.63	
n-Undeca	0.99	
Naphthaln	1.07	

	ppbC	Iden. HC
TNMHC	689.43	646.00
Ethane	48.74	
Ethene	31.76	
Propane	62.64	
Propene	9.02	
i-Buta	25.28	
n-Buta/Actyln	86.47	
C4 ALKE	0.75	
t2Bute	0.41	
1-Bute	1.52	
i-Bute	3.40	
CyPnta	3.91	
2MButa	78.46	
n-Pnta	37.26	
Propyne	1.18	
1,3Bdien	0.85	
3M1Bute	0.55	
t2Pnte	0.82	
C5 br ALKE	2.25	
2M1Bute	1.27	
C5 br ALKE	0.53	
MCyPnta	14.82	
CyHxa	3.29	
2,3DMButa	6.67	
2MPnta	20.60	
3MPnta	13.77	
n-Hxa	11.86	
C6 br ALKE	1.01	
isoprene	1.72	
C6 br ALKE	0.18	
C6 br ALKE	0.13	
4M1Pnte	0.36	
2M1Pnte	0.21	
C6 br ALKE	0.23	
C6 br ALKE	0.21	
C6 br ALKE	0.32	
c3M2Pnte	0.59	
C7 br ALKA	3.68	
C7 br ALKA	1.49	
2,4DMPnta	4.26	
C7 br ALKA	0.19	
2,2,3TMButa	0.22	
EtCyPnta	0.96	
2,3DMPnta	5.53	
C7 br ALKA	4.67	
3MHxa	5.10	
CyHpta	0.15	
Bzn	22.78	
2,2,4TMPnta	6.49	
C8 br ALKA	4.07	
C8 br ALKA	0.53	

	ppbC	Iden. HC
Me3Pnta	0.61	
C7 ALKA	3.20	
n-Hpta	5.82	
MIBK	1.30	
MCyHxa	3.49	
2,2DMHxa	0.38	
2,5DMHxa	0.68	
2,4DMHxa	0.88	
Me3CyPnta	0.36	
2,3,4TMPnta	1.79	
Toluene	32.20	
2,3DMHxa	0.46	
2MHpta	0.81	
C8 br ALKA	0.51	
4MHpta	0.22	
3MHpta	0.67	
C8 br ALKA	1.24	
C8 CyALKA	1.62	
C8 ALKE	2.00	
1 Octene	0.87	
MCyHpta	0.49	
n-Octa	0.96	
C3-CyHxa	0.48	
EtBzn	4.78	
m-Xylene	6.54	
p-Xylene	6.78	
Styrene	0.17	
o-Xylene	7.86	
n-Nonane	1.26	
C10 brALKA	0.30	
C3-CyHxa	0.09	
iPrBzn	0.43	
sBuCyPnta	0.21	
C4-CyPnta	0.25	
a-Pinene	1.40	
nPrBzn	1.82	
m-EtToluene	2.33	
p-EtToluene	0.98	
1,3,5TMBzn	1.21	
o-EtToluene	1.22	
b-Pinene	0.26	
1,2,4TMBzn	4.25	
Myrcene/tBuBzn	0.93	
Alkyl CyHxa	0.12	
2-Carene	0.07	
n-Deca/secBuBz	1.03	
1,2,3TMBzn	1.23	
C11 br ALKA	0.35	
nBuBzn	1.16	
g-Terpinene	0.49	
C12 br ALKA	1.20	
n-Undeca	0.83	
Dodeca	2.21	

Appendix B
SITE/SAMPLE LIST

Site	Tenax #	Date	Sampling Time	Table No.
CALDECOTT TUNNEL	3162510	6/25/91	1000 - 1200	B1
	3162516	6/25/91	1600 - 1800	B2
	2062606	6/26/91	0600 - 0800	B3
	1162606	6/26/91	0600 - 0800	B4
	2062610	6/26/91	1000 - 1200	B5
	3162610	6/26/91	1000 - 1200	B6
	2062616	6/26/91	1600 - 1800	B7
	3162616	6/26/91	1600 - 1800	B8
	3162706	6/27/91	0600 - 0800	B9
	2062706	6/27/91	0600 - 0800	B10
	2062710	6/27/91	1000 - 1200	B11
	1162710	6/27/91	1000 - 1200	B12
	2062716	6/27/91	1600 - 1800	B13
	3162716	6/27/91	1600 - 1800	B14
	4062806	6/28/91	0600 - 0800	B15
	1162806	6/28/91	0600 - 0800	B16
	2062810	6/28/91	1000 - 1200	B17
	1162810	6/28/91	1000 - 1200	B18
OILDALE	1173006	7/30/91	0600 - 0800	B19
	3173006	7/30/91	0600 - 0800	B20
	4073110	7/30/91	1000 - 1200	B21
	3173010	7/30/91	1000 - 1200	B22
	3173106	7/31/91	0600 - 0800	B23
	1173110	7/31/91	1000 - 1200	B24
	2080106	8/01/91	0600 - 0800	B25
	1180106	8/01/91	0600 - 0800	B26
LOS ANGELES	4082106	8/21/91	0600 - 0800	B27
	1182106	8/21/91	0600 - 0800	B28
	2082110	8/21/91	1000 - 1200	B29
	4082206	8/22/91	0600 - 0800	B30
	2082210	8/22/91	1000 - 1200	B31
	1182210	8/22/91	1000 - 1200	B32
	4082306	8/23/91	0600 - 0800	B33
	3182306	8/23/91	0600 - 0800	B34
	2082310	8/23/91	1000 - 1200	B35
	3182310	8/23/91	1000 - 1200	B36
	3182406	8/24/91	0600 - 0800	B37
	1182410	8/24/91	1000 - 1200	B38

Caldeco nnel -- Tenax Data -- 6/25/91 -- 1000-1200 hr -- page 1 TENAX:3162510F FLOW:41.6 L. Table B1

	RT	COMPOUND	C(NG/TENAX)	C(µg/m3)	Cppb	CppbC	N	MW
1	13.28	ETHYLBENZENE	204.487	4.92	1.13	9.07	8	106
2	13.61	m+p-XYLENE	782.904	18.82	4.34	34.73	8	106
3	13.83	4-METHYLOCTANE	63.164	1.52	0.29	2.61	9	128
4		5-METHYL-3-HEPTANONE		0.00	0.00	0.00	7	114
5	14.06	3-METHYLOCTANE	22.438	0.54	0.10	0.93	9	128
6	14.13	STYRENE	62.853	1.51	0.36	2.84	8	104
7	14.32	o-XYLENE	284.425	6.84	1.58	12.62	8	106
8	14.51	C9 OLEFIN	16.344	0.39	0.08	0.69	9	126
9	14.57	2-BUTOXYETHANOL	31.291	0.75	0.16	0.94	6	118
10	14.93	n-NONANE	31.675	0.76	0.15	1.31	9	128
11	15.33	ISOPROPYLBENZENE (CUMENE)	14.661	0.35	0.07	0.65	9	120
12	15.91	BENZALDEHYDE	89,007	2.14	0.49	3.45	7	106
13	16.12	DIMETHYLOCTANE	125.241	3.01	0.52	5.18	10	142
14	16.28	n-PROPYLBENZENE	58.333	1.40	0.29	2.57	9	120
15	16.54	m-ETHYLTOLUENE	218.46	5.25	1.07	9.63	9	120
16	16.60	p-ETHYLTOLUENE	83.362	2.00	0.41	3.67	9	120
17	16.77	1,3,5-TRIMETHYLBENZENE	107.755	2.59	0.53	4.75	9	120
18	16.92	PHENOL + C11 PARAFFIN		0.00	0.00	0.00	6	94
19	16.99	C10 PARAFFIN	123.779	2.98	0.51	5.12	10	142
20	17.08	o-ETHYLTOLUENE	87.926	2.11	0.43	3.88	9	120
21	17.23	C10 PARAFFIN	18.846	0.45	0.08	0.78	10	142
22	17.59	1,2,4-TRIMETHYLBENZENE	424.928	10.21	2.08	18.73	9	120
23	18.10	n-DECANE+secBUTYLBENZENE	118.191	2.84	0.49	4.89	10	142
24	18.40	1,2,3-TRIMETHYLBENZENE + C4-BENZENE	83.458	2.01	0.41	3.68	9	120
25	18.73	C4-BENZENE	90.49	2.18	0.40	3.97	10	134
26	18.82	PROPENYLBENZENE	41.484	1.00	0.21	1.86	9	118
27	18.99	INDENE	ART	0.00	0.00	0.00	9	116
28	19.23	C4-BENZENE + m-METHYLBENZALDEHYDE	27.48	0.66	0.12	1.21	10	134
29	19.46	DIETHYLBENZENE	30.05	0.72	0.13	1.32	10	134
30	19.55	2-ETHYL-1,4-DIMETHYLBENZENE	55.733	1.34	0.24	2.44	10	134
31	19.79	p-METHYLBENZALDEHYDE + C11 OLEFIN	19.41	0.47	0.10	0.76	8	120
32	19.94	o-PROPYLTOLUENE	41.95	1.01	0.18	1.84	10	134
33	20.18	ETHYLDIMETHYLBENZENE	10.39	0.25	0.05	0.46	10	134

Table B1 (Cont.)

Caldecott Tunnel -- Tenax Data -- 6/25/91 -- 1000-1200 hr -- page 2

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
34	20.34	TETRAMETHYLBENZENE	44.41	1.07	0.19	1.95	10	134
35	20.91	ETHYLDIMETHYLBENZENE	51.76	1.24	0.23	2.27	10	134
36	21.08	n-UNDECANE	26.44	0.64	0.10	1.10	11	156
37	21.28	1,2,4,5-TETRAMETHYLBENZENE	49.633	1.19	0.22	2.18	10	134
38	21.39	1,2,3,5-TETRAMETHYLBENZENE	22.6	0.54	0.10	0.99	10	134
39	21.89	2,3-DIHYDRO-2-METHYLINDENE	31.45	0.76	0.14	1.40	10	132
40	21.96	1,3-DIETHYL-5-METHYLBENZENE	10.657	0.26	0.04	0.47	11	148
41	22.16	C5-BENZENE+METHYLINDENE	13.3	0.32	0.05	0.58	11	148
42	22.27	2,3-DIHYDRO-1-METHYLINDENE	18.62	0.45	0.08	0.83	10	132
43		C5- + C4-BENZENE		0.00	0.00	0.00	11	148
44	22.39	C5-BENZENE	12.087	0.29	0.05	0.53	11	148
45	22.53	DIETHYLMETHYLBENZENE	21.794	0.52	0.09	0.95	11	148
46		DIETHYLMETHYLBENZENE		0.00	0.00	0.00	11	148
47	22.84	C5-BENZENE	7.87	0.19	0.03	0.34	11	148
48	23.02	NAPHTHALENE	101.973	2.45	0.47	4.68	10	128
49	23.17	DIMETHYLINDANE	2.01	0.05	0.01	0.09	11	146
50	23.53	DIMETHYLCUMENE	26.613	0.64	0.11	1.16	11	148
51	23.83	n-DODECANE + C5-BENZENE	11.75	0.28	0.04	0.49	12	170
52	24.26	DIPROPYLBENZENE + C13 PARAFFIN	4.29	0.10	0.02	0.19	12	162
53	24.93	2,3-DIHYDROETHYLINDENE + C6-BENZENE	2.83	0.07	0.01	0.13	11	146
54	25.16	2,3,-DIHYDRODIMETHYLINDENE	11.548	0.28	0.05	0.51	11	146
55	25.66	2,3-DIHYDRODIMETHYLINDENE	16.444	0.40	0.07	0.73	11	146
56	25.83	C6-BENZENE + C14 OLEFIN + 2,3-DIHYDRODIMETHYLINDENE		0.00	0.00	0.00	12	162
57	26.02	2-METHYLNAPHTHALENE	53.043	1.28	0.22	2.41	11	142
58	26.44	1-METHYLNAPHTHALENE + N-TRIDECANE	37.778	0.91	0.16	1.72	11	142
59		BIPHENYL		0.00	0.00	0.00	12	154
60	28.84	DIMETHYLNAPHTHALENE		0.00	0.00	0.00	12	156
61		n-TETRADECANE		0.00	0.00	0.00	14	198
62	29.25	DIMETHYLNAPHTHALENE	1.63	0.04	0.01	0.07	12	156
63	31.25	n-PENTADECANE	2	0.05	0.01	0.08	15	212
64	33.39	n-HEXADECANE	2.28	0.05	0.01	0.09	16	226
65	35.42	n-HEPTADECANE		0.00	0.00	0.00	17	240
66	36.21	PHENANTHRENE		0.00	0.00	0.00	14	178
67	37.64	n-OCTADECANE		0.00	0.00	0.00	18	256
		TOTAL			19.46	172.51		
					17.43	153.19		
		Total Aromatics			1.80	17.69		
		Total Paraffins			0.08	0.69		

Caldecc[illegible]nel -- Tenax Data -- 6/25/91 -- 1600-1800 -- page 1 TENAX:3162516 FLOW:41.7 L

Table B2

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
1	13.27	ETHYLBENZENE	108.293	2.60	0.60	4.79	8	106
2	13.58	m+p-XYLENE	415.59	9.97	2.30	18.39	8	106
3	13.83	4-METHYLOCTANE	39.051	0.94	0.18	1.61	9	128
4		5-METHYL-3-HEPTANONE		0.00	0.00	0.00	7	114
5	14.05	3-METHYLOCTANE	11.241	0.27	0.05	0.46	9	128
6	14.11	STYRENE	34.153	0.82	0.19	1.54	8	104
7	14.29	o-XYLENE	153.743	3.69	0.85	6.80	8	106
8	14.55	C9 OLEFIN	18.796	0.45	0.09	0.79	9	126
9		2-BUTOXYETHANOL		0.00	0.00	0.00	6	118
10	14.91	n-NONANE	16.538	0.40	0.08	0.68	9	128
11	15.31	ISOPROPYLBENZENE (CUMENE)	8.796	0.21	0.04	0.39	9	120
12	15.89	BENZALDEHYDE	54.905	1.32	0.30	2.13	7	106
13	16.09	DIMETHYLOCTANE	80.481	1.93	0.33	3.32	10	142
14	16.26	n-PROPYLBENZENE	30.294	0.73	0.15	1.33	9	120
15	16.51	m-ETHYLTOLUENE	113.509	2.72	0.55	4.99	9	120
16	16.57	p-ETHYLTOLUENE	44.125	1.06	0.22	1.94	9	120
17	16.75	1,3,5-TRIMETHYLBENZENE	57.759	1.39	0.28	2.54	9	120
18	16.93	PHENOL + C11 PARAFFIN	38.744	0.93	0.24	1.45	6	94
19	16.97	C10 PARAFFIN	55.952	1.34	0.23	2.31	10	142
20	17.05	o-ETHYLTOLUENE	59.908	1.44	0.29	2.63	9	120
21	17.38	C10 PARAFFIN	26.186	0.63	0.11	1.08	10	142
22	17.55	1,2,4-TRIMETHYLBENZENE	205.596	4.93	1.00	9.04	9	120
23	18.07	n-DECANE+secBUTYLBENZENE	82.162	1.97	0.34	3.39	10	142
24	18.38	1,2,3-TRIMETHYLBENZENE + C4-BENZENE	44.085	1.06	0.22	1.94	9	120
25	18.71	C4-BENZENE	ART	0.00	0.00	0.00	10	134
26	18.80	PROPENYLBENZENE	31.555	0.76	0.16	1.41	9	118
27	19.20	INDENE		0.00	0.00	0.00	9	116
28	19.35	C4-BENZENE + m-METHYLBENZALDEHYDE	ART	0.00	0.00	0.00	10	134
29	19.42	DIETHYLBENZENE	ART	0.00	0.00	0.00	10	134
30	19.52	2-ETHYL-1,4-DIMETHYLBENZENE		0.00	0.00	0.00	10	134
31	19.76	p-METHYLBENZALDEHYDE + C11 OLEFIN		0.00	0.00	0.00	8	120
32	19.98	o-PROPYLTOLUENE	ART	0.00	0.00	0.00	10	134
33	20.15	ETHYLDIMETHYLBENZENE	ART	0.00	0.00	0.00	10	134

Table B2 (Cont.)

Caldecott Tunnel -- Tenax Data -- 6/25/91 -- 1600-1800 -- page 2

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
34	20.31	TETRAMETHYLBENZENE	7.86	0.19	0.03	0.34	10	134
35	20.83	ETHYLDIMETHYLBENZENE		0.00	0.00	0.00	10	134
36	20.89	n-UNDECANE	ART	0.00	0.00	0.00	11	156
37	21.04	1,2,4,5-TETRAMETHYLBENZENE	ART	0.00	0.00	0.00	10	134
38	21.12	1,2,3,5-TETRAMETHYLBENZENE	ART	0.00	0.00	0.00	10	134
39	21.49	2,3-DIHYDRO-2-METHYLINDENE		0.00	0.00	0.00	10	132
40	21.58	1,3-DIETHYL-5-METHYLBENZENE		0.00	0.00	0.00	11	148
41	21.74	C5-BENZENE+METHYLINDENE		0.00	0.00	0.00	11	148
42	21.87	2,3-DIHYDRO-1-METHYLINDENE		0.00	0.00	0.00	10	132
43		C5- + C4-BENZENE		0.00	0.00	0.00	11	148
44	22.12	C5-BENZENE	6.31	0.15	0.02	0.27	11	148
45	22.25	DIETHYLMETHYLBENZENE	1.94	0.05	0.01	0.08	11	148
46	22.67	DIETHYLMETHYLBENZENE	11.611	0.28	0.05	0.51	11	148
47	22.83	C5-BENZENE		0.00	0.00	0.00	11	148
48	22.99	NAPHTHALENE	62.722	1.50	0.29	2.87	10	128
49	23.09	DIMETHYLINDANE		0.00	0.00	0.00	11	146
50	23.16	DIMETHYLCUMENE		0.00	0.00	0.00	11	148
51	23.55	n-DODECANE + C5-BENZENE	11.445	0.27	0.04	0.47	12	170
52	23.82	DIPROPYLBENZENE + C13 PARAFFIN	0.11	0.00	0.00	0.00	12	162
53	23.98	2,3-DIHYDROETHYLINDENE + C6-BENZENE	14.417	0.35	0.06	0.64	11	146
54	25.15	2,3,-DIHYDRODIMETHYLINDENE	9.331	0.22	0.04	0.41	11	146
55	25.82	2,3-DIHYDRODIMETHYLINDENE		0.00	0.00	0.00	11	146
56		C6-BENZENE + C14 OLEFIN + 2,3-DIHYDRODIMETHYLINDENE		0.00	0.00	0.00	12	162
57	25.99	2-METHYLNAPHTHALENE	19.82	0.48	0.08	0.90	11	142
58	26.44	1-METHYLNAPHTHALENE + N-TRIDECANE	10.22	0.25	0.04	0.46	11	142
59	28.83	DIMETHYLNAPHTHALENE	7.1	0.17	0.03	0.32	12	156
60		BIPHENYL		0.00	0.00	0.00	12	154
61		n-TETRADECANE		0.00	0.00	0.00	14	198
62	29.24	DIMETHYLNAPHTHALENE		0.00	0.00	0.00	12	156
63	31.23	n-PENTADECANE	ART	0.00	0.00	0.00	15	212
64	33.38	n-HEXADECANE	3.42	0.08	0.01	0.14	16	226
65	35.64	n-HEPTADECANE	0.69	0.02	0.00	0.03	17	240
66		PHENANTHRENE		0.00	0.00	0.00	14	178
67	37.64	n-OCTADECANE		0.00	0.00	0.00	18	256
		TOTAL			9.50	82.43		
		Total Aromatics			8.39	71.53		
		Total Paraffins			1.03	10.11		
		Total Olefins			0.09	0.79		

Caldeco nel -- Tenax Data -- 6/26/91 -- 0600-0800 -- page 1 TENAX:2062606F FLOW:41.7L

Table B3

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
1	13.31	ETHYLBENZENE	211.92	5.08	1.17	9.38	8	106
2	13.64	m+p-XYLENE	781.07	18.73	4.32	34.56	8	106
3	13.87	4-METHYLOCTANE	68.31	1.64	0.31	2.82	9	128
4	13.90	5-METHYL-3-HEPTANONE		0.00	0.00	0.00	7	114
5	14.08	3-METHYLOCTANE	24.47	0.59	0.11	1.01	9	128
6	14.15	STYRENE	59.23	1.42	0.33	2.67	8	104
7	14.34	o-XYLENE	286.19	6.86	1.58	12.66	8	106
8	14.51	C9 OLEFIN		0.00	0.00	0.00	9	126
9	14.59	2-BUTOXYETHANOL	35.33	0.85	0.18	1.05	6	118
10	14.95	n-NONANE	28.95	0.69	0.13	1.19	9	128
11	15.34	ISOPROPYLBENZENE (CUMENE)	16.31	0.39	0.08	0.72	9	120
12	15.92	BENZALDEHYDE	73.49	1.76	0.41	2.85	7	106
13	16.13	DIMETHYLOCTANE	114.28	2.74	0.47	4.72	10	142
14	16.30	n-PROPYLBENZENE	60.08	1.44	0.29	2.64	9	120
15	16.56	m-ETHYLTOLUENE	225.25	5.40	1.10	9.91	9	120
16	16.62	p-ETHYLTOLUENE	88.04	2.11	0.43	3.87	9	120
17	16.79	1,3,5-TRIMETHYLBENZENE	110.17	2.64	0.54	4.84	9	120
18	16.95	PHENOL + C11 PARAFFIN	44.94	1.08	0.28	1.68	6	94
19	17.01	C10 PARAFFIN	62.27	1.49	0.26	2.57	10	142
20	17.09	o-ETHYLTOLUENE	83.09	1.99	0.41	3.65	9	120
21	17.41	C10 PARAFFIN	26.42	0.63	0.11	1.09	10	142
22	17.60	1,2,4-TRIMETHYLBENZENE	396.20	9.50	1.94	17.42	9	120
23	18.10	n-DECANE+secBUTYLBENZENE	65.64	1.57	0.27	2.71	10	142
24	18.41	1,2,3-TRIMETHYLBENZENE + C4-BENZENE	86.09	2.06	0.42	3.79	9	120
25	18.73	C4-BENZENE	516.97	12.40	2.26	22.62	10	134
26	18.99	PROPENYLBENZENE	86.67	2.08	0.43	3.88	9	118
27	19.23	INDENE	10.00	0.24	0.05	0.45	9	116
28	19.37	C4-BENZENE + m-METHYLBENZALDEHYDE	155.82	3.74	0.68	6.82	10	134
29	19.46	DIETHYLBENZENE	54.59	1.31	0.24	2.39	10	134
30	19.55	2-ETHYL-1,4-DIMETHYLBENZENE	50.15	1.20	0.22	2.19	10	134
31	19.78	p-METHYLBENZALDEHYDE + C11 OLEFIN	37.81	0.91	0.18	1.48	8	120
32	19.94	o-PROPYLTOLUENE	116.60	2.80	0.51	5.10	10	134
33	20.17	ETHYLDIMETHYLBENZENE	265.70	6.37	1.16	11.63	10	134

Table B3 (Cont.)

Caldecott Tunnel -- Tenax Data -- 6/26/91 -- 0600-0800 -- page 2

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
34	20.34	TETRAMETHYLBENZENE	84.80	2.03	0.37	3.71	10	134
35	20.91	ETHYLDIMETHYLBENZENE	48.35	1.16	0.21	2.12	10	134
36	21.14	n-UNDECANE	40.75	0.98	0.15	1.68	11	156
37	21.28	1,2,4,5-TETRAMETHYLBENZENE	47.34	1.14	0.21	2.07	10	134
38	21.39	1,2,3,5-TETRAMETHYLBENZENE	43.24	1.04	0.19	1.89	10	134
39	21.89	2,3-DIHYDRO-2-METHYLINDENE	57.74	1.38	0.26	2.56	10	132
40	21.96	1,3-DIETHYL-5-METHYLBENZENE	10.74	0.26	0.04	0.47	11	148
41	22.16	C5-BENZENE+METHYLINDENE	54.88	1.32	0.22	2.39	11	148
42	22.27	2,3-DIHYDRO-1-METHYLINDENE	38.22	0.92	0.17	1.70	10	132
43	22.42	C5- + C4-BENZENE	9.81	0.24	0.04	0.43	11	148
44	22.53	C5-BENZENE	19.41	0.47	0.08	0.85	11	148
45	22.70	DIETHYLMETHYLBENZENE	14.24	0.34	0.06	0.62	11	148
46	22.85	DIETHYLMETHYLBENZENE	21.69	0.52	0.09	0.95	11	148
47	23.02	C5-BENZENE	63.44	1.52	0.25	2.76	11	148
48	23.11	NAPHTHALENE	44.52	1.07	0.20	2.04	10	128
49	23.18	DIMETHYLINDANE	12.51	0.30	0.05	0.55	11	146
50	23.53	DIMETHYLCUMENE	27.71	0.66	0.11	1.21	11	148
51	23.84	n-DODECANE + C5-BENZENE	21.82	0.52	0.08	0.90	12	170
52	24.27	DIPROPYLBENZENE + C13 PARAFFIN	17.10	0.41	0.06	0.74	12	162
53		2,3-DIHYDROETHYLINDENE + C6-BENZENE		0.00	0.00	0.00	11	146
54	24.94	2,3,-DIHYDRODIMETHYLINDENE	17.84	0.43	0.07	0.79	11	146
55	25.32	2,3-DIHYDRODIMETHYLINDENE	9.25	0.22	0.04	0.41	11	146
56	25.84	C6-BENZENE + C14 OLEFIN + 2,3-DIHYDRODIMETHYLINDENE	14.50	0.35	0.05	0.63	12	162
57	26.02	2-METHYLNAPHTHALENE	52.26	1.25	0.22	2.37	11	142
58	26.46	1-METHYLNAPHTHALENE + N-TRIDECANE	34.41	0.83	0.14	1.56	11	142
59		BIPHENYL		0.00	0.00	0.00	12	154
60	28.85	DIMETHYLNAPHTHALENE	14.74	0.35	0.06	0.66	12	156
61		n-TETRADECANE		0.00	0.00	0.00	14	198
62	29.26	DIMETHYLNAPHTHALENE	11.99	0.29	0.05	0.54	12	156
63	31.27	n-PENTADECANE	12.90	0.31	0.04	0.54	15	212
64	33.41	n-HEXADECANE	5.47	0.13	0.01	0.23	16	226
65	35.65	n-HEPTADECANE	19.74	0.47	0.05	0.82	17	240
66	36.91	PHENANTHRENE		0.00	0.00	0.00	14	178
67	36.38	n-OCTADECANE	9.40	0.23	0.02	0.39	18	256
		TOTAL			24.45	222.95		
		Total Aromatics			22.53	203.94		
		Total Paraffins			1.74	17.96		
		Total Olefins			0.00	0.00		

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	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
1	13.28	ETHYLBENZENE	209.063	5.03	1.16	9.27	8	106
2	13.61	m+p-XYLENE	783.819	18.84	4.35	34.77	8	106
3	13.84	4-METHYLOCTANE	73.543	1.77	0.34	3.04	9	128
4	13.90	5-METHYL-3-HEPTANONE		0.00	0.00	0.00	7	114
5	14.06	3-METHYLOCTANE	23.664	0.57	0.11	0.98	9	128
6	14.12	STYRENE	64.814	1.56	0.37	2.93	8	104
7	14.31	o-XYLENE	283.7	6.82	1.57	12.58	8	106
8	14.51	C9 OLEFIN	18.813	0.45	0.09	0.79	9	126
9	14.56	2-BUTOXYETHANOL	34.324	0.83	0.17	1.03	6	118
10	14.92	n-NONANE	29.51	0.71	0.14	1.22	9	128
11	15.32	ISOPROPYLBENZENE (CUMENE)	15.149	0.36	0.07	0.67	9	120
12	15.90	BENZALDEHYDE	75.627	1.82	0.42	2.94	7	106
13	16.12	DIMETHYLOCTANE	153.43	3.69	0.64	6.35	10	142
14	16.27	n-PROPYLBENZENE	62.882	1.51	0.31	2.77	9	120
15	16.53	m-ETHYLTOLUENE	243.608	5.86	1.19	10.74	9	120
16	16.59	p-ETHYLTOLUENE	89.059	2.14	0.44	3.93	9	120
17	16.76	1,3,5-TRIMETHYLBENZENE	111.388	2.68	0.55	4.91	9	120
18	16.96	PHENOL + C11 PARAFFIN		0.00	0.00	0.00	6	94
19	16.98	C10 PARAFFIN	118.499	2.85	0.49	4.90	10	142
20	17.06	o-ETHYLTOLUENE	84.561	2.03	0.41	3.73	9	120
21	17.39	C10 PARAFFIN	27.933	0.67	0.12	1.16	10	142
22	17.58	1,2,4-TRIMETHYLBENZENE	441.137	10.60	2.16	19.45	9	120
23	18.08	n-DECANE+secBUTYLBENZENE	90.84	2.18	0.38	3.76	10	142
24	18.39	1,2,3-TRIMETHYLBENZENE + C4-BENZENE	91.527	2.20	0.45	4.03	9	120
25	18.73	C4-BENZENE	737.4	17.73	3.23	32.34	10	134
26	18.97	PROPENYLBENZENE	120	2.88	0.60	5.38	9	118
27	19.22	INDENE	37.63	0.90	0.19	1.72	9	116
28	19.36	C4-BENZENE + m-METHYLBENZALDEHYDE	200.69	4.82	0.88	8.80	10	134
29	19.44	DIETHYLBENZENE	62.54	1.50	0.27	2.74	10	134
30	19.53	2-ETHYL-1,4-DIMETHYLBENZENE	51.2	1.23	0.22	2.25	10	134
31	19.77	p-METHYLBENZALDEHYDE + C11 OLEFIN	41.22	0.99	0.20	1.62	8	120
32	19.98	o-PROPYLTOLUENE	ART	0.00	0.00	0.00	10	134
33	20.16	ETHYLDIMETHYLBENZENE	244.63	5.88	1.07	10.73	10	134

Table B4 (Cont.)

Caldecott Tunnel -- Tenax Data -- 6/26/91 -- 0600-0800 -- page 2

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
34	20.327	TETRAMETHYLBENZENE	87.01	2.09	0.38	3.82	10	134
35	20.897	ETHYLDIMETHYLBENZENE	55.18	1.33	0.24	2.42	10	134
36	21.05	n-UNDECANE	36.94	0.89	0.14	1.53	11	156
37	21.267	1,2,4,5-TETRAMETHYLBENZENE	49.924	1.20	0.22	2.19	10	134
38	21.369	1,2,3,5-TETRAMETHYLBENZENE	39.42	0.95	0.17	1.73	10	134
39	21.87	2,3-DIHYDRO-2-METHYLINDENE	49.33	1.19	0.22	2.20	10	132
40	21.944	1,3-DIETHYL-5-METHYLBENZENE	11.521	0.28	0.05	0.50	11	148
41	22.14	C5-BENZENE+METHYLINDENE	28.84	0.69	0.11	1.26	11	148
42	22.254	2,3-DIHYDRO-1-METHYLINDENE	28.69	0.69	0.13	1.28	10	132
43	22.397	C5- + C4-BENZENE	11.183	0.27	0.04	0.49	11	148
44	22.509	C5-BENZENE	19.089	0.46	0.08	0.83	11	148
45	22.678	DIETHYLMETHYLBENZENE	14.267	0.34	0.06	0.62	11	148
46	22.829	DIETHYLMETHYLBENZENE	11.78	0.28	0.05	0.51	11	148
47	22.998	C5-BENZENE	52.78	1.27	0.21	2.31	11	148
48	23.094	NAPHTHALENE	58.143	1.40	0.27	2.67	10	128
49	23.16	DIMETHYLINDANE	11.33	0.27	0.05	0.50	11	146
50	23.513	DIMETHYLCUMENE	22.394	0.54	0.09	0.98	11	148
51	23.82	n-DODECANE + C5-BENZENE	15	0.36	0.05	0.62	12	170
52	24.248	DIPROPYLBENZENE + C13 PARAFFIN	17.829	0.43	0.06	0.78	12	162
53		2,3-DIHYDROETHYLINDENE + C6-BENZENE		0.00	0.00	0.00	11	146
54	24.92	2,3,-DIHYDRODIMETHYLINDENE	15.48	0.37	0.06	0.69	11	146
55	25.302	2,3-DIHYDRODIMETHYLINDENE	10.327	0.25	0.04	0.46	11	146
56	25.818	C6-BENZENE + C14 OLEFIN + 2,3-DIHYDRODIMETHYLINDENE	10.37	0.25	0.04	0.45	12	162
57	25.999	2-METHYLNAPHTHALENE	51.708	1.24	0.21	2.35	11	142
58	26.44	1-METHYLNAPHTHALENE + N-TRIDECANE	33.338	0.80	0.14	1.52	11	142
59		BIPHENYL		0.00	0.00	0.00	12	154
60	28.839	DIMETHYLNAPHTHALENE	15.06	0.36	0.06	0.68	12	156
61		n-TETRADECANE		0.00	0.00	0.00	14	198
62	29.237	DIMETHYLNAPHTHALENE	12.647	0.30	0.05	0.57	12	156
63	31.235	n-PENTADECANE	4.88	0.12	0.01	0.20	15	212
64	33.375	n-HEXADECANE	3.31	0.08	0.01	0.14	16	226
65	35.627	n-HEPTADECANE	14.66	0.35	0.04	0.61	17	240
66	36.91	PHENANTHRENE		0.00	0.00	0.00	14	178
67	37.215	n-OCTADECANE	9.264	0.22	0.02	0.38	18	256
		TOTAL			25.87	236.80		
		Total Aromatics			23.52	213.85		
		Total Paraffins			2.09	21.13		
		Total Olefins			0.09	0.79		

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
1	13.30	ETHYLBENZENE	307.034	7.36	1.70	13.59	8	106
2	13.64	m+p-XYLENE	1185.62	28.43	6.56	52.47	8	106
3	13.84	4-METHYLOCTANE	93.803	2.25	0.43	3.87	9	128
4	13.90	5-METHYL-3-HEPTANONE		0.00	0.00	0.00	7	114
5	14.07	3-METHYLOCTANE	32.234	0.77	0.15	1.33	9	128
6	14.14	STYRENE	90.993	2.18	0.51	4.10	8	104
7	14.34	o-XYLENE	426.364	10.22	2.36	18.87	8	106
8	14.52	C9 OLEFIN	16.042	0.38	0.07	0.67	9	126
9	14.58	2-BUTOXYETHANOL	43.46	1.04	0.22	1.30	6	118
10	14.93	n-NONANE	45.678	1.10	0.21	1.88	9	128
11	15.33	ISOPROPYLBENZENE (CUMENE)	23.655	0.57	0.12	1.04	9	120
12	15.92	BENZALDEHYDE	118.575	2.84	0.66	4.59	7	106
13	16.13	DIMETHYLOCTANE	171.344	4.11	0.71	7.07	10	142
14	16.28	n-PROPYLBENZENE	94.255	2.26	0.46	4.14	9	120
15	16.55	m-ETHYLTOLUENE	366.448	8.79	1.79	16.11	9	120
16	16.61	p-ETHYLTOLUENE	136.902	3.28	0.67	6.02	9	120
17	16.78	1,3,5-TRIMETHYLBENZENE	172.832	4.14	0.84	7.60	9	120
18	16.93	PHENOL + C11 PARAFFIN	19.858	0.48	0.12	0.74	6	94
19	17.00	C10 PARAFFIN	151.947	3.64	0.63	6.27	10	142
20	17.08	o-ETHYLTOLUENE	161.871	3.88	0.79	7.12	9	120
21	17.39	C10 PARAFFIN	40.377	0.97	0.17	1.67	10	142
22	17.60	1,2,4-TRIMETHYLBENZENE	660.423	15.84	3.23	29.04	9	120
23	18.10	n-DECANE+secBUTYLBENZENE	122.664	2.94	0.51	5.06	10	142
24	18.41	1,2,3-TRIMETHYLBENZENE + C4-BENZENE	121.92	2.92	0.60	5.36	9	120
25	18.79	C4-BENZENE	976	23.41	4.27	42.71	10	134
26	19.00	PROPENYLBENZENE	154.08	3.69	0.77	6.89	9	118
27	19.25	INDENE	173.36	4.16	0.88	7.89	9	116
28	19.39	C4-BENZENE + m-METHYLBENZALDEHYDE	550.52	13.20	2.41	24.09	10	134
29	19.45	DIETHYLBENZENE	106.52	2.55	0.47	4.66	10	134
30	19.56	2-ETHYL-1,4-DIMETHYLBENZENE	97.31	2.33	0.43	4.26	10	134
31	19.79	p-METHYLBENZALDEHYDE + C11 OLEFIN	96.022	2.30	0.47	3.75	8	120
32	19.95	o-PROPYLTOLUENE	330.33	7.92	1.45	14.45	10	134
33	20.19	ETHYLDIMETHYLBENZENE	277.36	6.65	1.21	12.14	10	134

Table B5 (Cont.)

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	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
34	20.35	TETRAMETHYLBENZENE	120.52	2.89	0.53	5.27	10	134
35	20.92	ETHYLDIMETHYLBENZENE	80.34	1.93	0.35	3.52	10	134
36	21.15	n-UNDECANE	56.42	1.35	0.21	2.33	11	156
37	21.29	1,2,4,5-TETRAMETHYLBENZENE	53.81	1.29	0.24	2.35	10	134
38	21.39	1,2,3,5-TETRAMETHYLBENZENE	64.09	1.54	0.28	2.80	10	134
39	21.88	2,3-DIHYDRO-2-METHYLINDENE	71.81	1.72	0.32	3.19	10	132
40	21.96	1,3-DIETHYL-5-METHYLBENZENE	15.291	0.37	0.06	0.67	11	148
41	22.16	C5-BENZENE+METHYLINDENE	42.24	1.01	0.17	1.84	11	148
42	22.27	2,3-DIHYDRO-1-METHYLINDENE	43.52	1.04	0.19	1.93	10	132
43	22.39	C5- + C4-BENZENE	19.25	0.46	0.08	0.84	11	148
44	22.53	C5-BENZENE	15.677	0.38	0.06	0.68	11	148
45	22.70	DIETHYLMETHYLBENZENE	20.692	0.50	0.08	0.90	11	148
46	22.84	DIETHYLMETHYLBENZENE	23.37	0.56	0.09	1.02	11	148
47		C5-BENZENE		0.00	0.00	0.00	11	148
48	23.02	NAPHTHALENE	135.19	3.24	0.62	6.19	10	128
49	23.17	DIMETHYLINDANE	13.98	0.34	0.06	0.62	11	146
50	23.38	DIMETHYLCUMENE	11.133	0.27	0.04	0.49	11	148
51	23.83	n-DODECANE + C5-BENZENE	30.14	0.72	0.10	1.25	12	170
52	24.26	DIPROPYLBENZENE + C13 PARAFFIN	23.116	0.55	0.08	1.00	12	162
53	24.65	2,3-DIHYDROETHYLINDENE + C6-BENZENE	9.597	0.23	0.04	0.42	11	146
54	24.93	2,3,-DIHYDRODIMETHYLINDENE	27.73	0.66	0.11	1.22	11	146
55	25.31	2,3-DIHYDRODIMETHYLINDENE	15.197	0.36	0.06	0.67	11	146
56	25.83	C6-BENZENE + C14 OLEFIN + 2,3-DIHYDRODIMETHYLINDENE	26.17	0.63	0.09	1.14	12	162
57	26.02	2-METHYLNAPHTHALENE	85.48	2.05	0.35	3.88	11	142
58	26.45	1-METHYLNAPHTHALENE + N-TRIDECANE	57.482	1.38	0.24	2.61	11	142
59		BIPHENYL		0.00	0.00	0.00	12	154
60	28.47	DIMETHYLNAPHTHALENE	19.92	0.48	0.07	0.90	12	156
61	28.90	n-TETRADECANE		0.00	0.00	0.00	14	198
62	29.26	DIMETHYLNAPHTHALENE	29.72	0.71	0.11	1.34	12	156
63	31.26	n-PENTADECANE	17.12	0.41	0.05	0.71	15	212
64	33.40	n-HEXADECANE	7.25	0.17	0.02	0.30	16	226
65	35.65	n-HEPTADECANE	21.33	0.51	0.05	0.89	17	240
66	36.23	PHENANTHRENE	16.08	0.39	0.05	0.74	14	178
67	37.36	n-OCTADECANE	11.33	0.27	0.03	0.47	18	256
		TOTAL			40.67	372.95		
		Total Aromatics			37.64	342.95		
		Total Paraffins			2.75	28.04		
		Total Olefins			0.07	0.67		

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
1	13.30	ETHYLBENZENE	287.977	6.91	1.59	12.74	8	106
2	13.64	m+p-XYLENE	1105.947	26.52	6.12	48.94	8	106
3	13.84	4-METHYLOCTANE	86.542	2.08	0.40	3.57	9	128
4		5-METHYL-3-HEPTANONE		0.00	0.00	0.00	7	114
5	14.07	3-METHYLOCTANE	36.227	0.87	0.17	1.49	9	128
6	14.14	STYRENE	92.103	2.21	0.52	4.15	8	104
7	14.34	o-XYLENE	406.336	9.74	2.25	17.98	8	106
8	14.52	C9 OLEFIN	16.154	0.39	0.08	0.68	9	126
9	14.58	2-BUTOXYETHANOL	38.663	0.93	0.19	1.15	6	118
10	14.93	n-NONANE	41.826	1.00	0.19	1.72	9	128
11	15.33	ISOPROPYLBENZENE (CUMENE)	21.34	0.51	0.10	0.94	9	120
12	15.91	BENZALDEHYDE	112.158	2.69	0.62	4.34	7	106
13	16.11	DIMETHYLOCTANE	83.64	2.01	0.35	3.45	10	142
14	16.28	n-PROPYLBENZENE	83.771	2.01	0.41	3.68	9	120
15	16.55	m-ETHYLTOLUENE	318.877	7.65	1.56	14.02	9	120
16	16.61	p-ETHYLTOLUENE	118.146	2.83	0.58	5.20	9	120
17	16.78	1,3,5-TRIMETHYLBENZENE	149.403	3.58	0.73	6.57	9	120
18	16.88	PHENOL + C11 PARAFFIN	66.786	1.60	0.42	2.50	6	94
19	16.99	C10 PARAFFIN	42.466	1.02	0.18	1.75	10	142
20	17.08	o-ETHYLTOLUENE	108.005	2.59	0.53	4.75	9	120
21	17.38	C10 PARAFFIN	20.126	0.48	0.08	0.83	10	142
22	17.60	1,2,4-TRIMETHYLBENZENE	555.551	13.32	2.71	24.43	9	120
23	18.09	n-DECANE+secBUTYLBENZENE	97.772	2.34	0.40	4.04	10	142
24	18.40	1,2,3-TRIMETHYLBENZENE + C4-BENZENE	117.286	2.81	0.57	5.16	9	120
25	18.63	C4-BENZENE	186.84	4.48	0.82	8.18	10	134
26	18.74	PROPENYLBENZENE	78.524	1.88	0.39	3.51	9	118
27	18.95	INDENE	36.42	0.87	0.18	1.66	9	116
28	19.33	C4-BENZENE + m-METHYLBENZALDEHYDE	107.31	2.57	0.47	4.70	10	134
29	19.44	DIETHYLBENZENE	51.4	1.23	0.22	2.25	10	134
30	19.52	2-ETHYL-1,4-DIMETHYLBENZENE	74.097	1.78	0.32	3.24	10	134
31	19.77	p-METHYLBENZALDEHYDE + C11 OLEFIN	40.41	0.97	0.20	1.58	8	120
32	19.99	o-PROPYLTOLUENE	134.659	3.23	0.59	5.89	10	134
33	20.13	ETHYLDIMETHYLBENZENE	137.79	3.30	0.60	6.03	10	134

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Table B6 (Cont.)

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
34	20.319	TETRAMETHYLBENZENE	87.02	2.09	0.38	3.81	10	134
35	20.883	ETHYLDIMETHYLBENZENE	50.526	1.21	0.22	2.21	10	134
36	21.047	n-UNDECANE	39.51	0.95	0.15	1.63	11	156
37	21.253	1,2,4,5-TETRAMETHYLBENZENE	49.71	1.19	0.22	2.18	10	134
38	21.36	1,2,3,5-TETRAMETHYLBENZENE	62.12	1.49	0.27	2.72	10	134
39	21.853	2,3-DIHYDRO-2-METHYLINDENE	50.24	1.20	0.22	2.23	10	132
40	21.939	1,3-DIETHYL-5-METHYLBENZENE	10.752	0.26	0.04	0.47	11	148
41	22.14	C5-BENZENE+METHYLINDENE	35.113	0.84	0.14	1.53	11	148
42	22.247	2,3-DIHYDRO-1-METHYLINDENE	38.497	0.92	0.17	1.71	10	132
43	22.369	C5- + C4-BENZENE	13.383	0.32	0.05	0.58	11	148
44	22.516	C5-BENZENE	29.28	0.70	0.12	1.28	11	148
45		DIETHYLMETHYLBENZENE		0.00	0.00	0.00	11	148
46		DIETHYLMETHYLBENZENE		0.00	0.00	0.00	11	148
47		C5-BENZENE		0.00	0.00	0.00	11	148
48	23.01	NAPHTHALENE	153.155	3.67	0.70	7.02	10	128
49	23.083	DIMETHYLINDANE	9.975	0.24	0.04	0.44	11	146
50	23.51	DIMETHYLCUMENE	10.025	0.24	0.04	0.44	11	148
51	23.816	n-DODECANE + C5-BENZENE	33.44	0.80	0.12	1.38	12	170
52	24.245	DIPROPYLBENZENE + C13 PARAFFIN	28.139	0.67	0.10	1.22	12	162
53		2,3-DIHYDROETHYLINDENE + C6-BENZENE		0.00	0.00	0.00	11	146
54	24.913	2,3,-DIHYDRODIMETHYLINDENE	27.332	0.66	0.11	1.21	11	146
55	25.143	2,3-DIHYDRODIMETHYLINDENE	10.183	0.24	0.04	0.45	11	146
56	25.645	C6-BENZENE + C14 OLEFIN + 2,3-DIHYDRODIMETHYLINDENE	11.438	0.27	0.04	0.50	12	162
57	26.004	2-METHYLNAPHTHALENE	77.864	1.87	0.32	3.54	11	142
58	26.424	1-METHYLNAPHTHALENE + N-TRIDECANE	51.382	1.23	0.21	2.33	11	142
59		BIPHENYL		0.00	0.00	0.00	12	154
60	28.827	DIMETHYLNAPHTHALENE	23.95	0.57	0.09	1.08	12	156
61	28.931	n-TETRADECANE	10.437	0.25	0.03	0.43	14	198
62	29.239	DIMETHYLNAPHTHALENE	22.53	0.54	0.08	1.02	12	156
63	31.254	n-PENTADECANE	28.43	0.68	0.08	1.18	15	212
64	33.397	n-HEXADECANE	18.599	0.45	0.05	0.77	16	226
65	35.64	n-HEPTADECANE	16.41	0.39	0.04	0.68	17	240
66	36.21	PHENANTHRENE		0.00	0.00	0.00	14	178
67	37.36	n-OCTADECANE	8.915	0.21	0.02	0.37	18	256
		TOTAL			28.64	255.53		
		Total Aromatics			26.53	234.42		
		Total Paraffins			1.84	19.27		
		Total Olefins			0.08	0.68		

Caldec nnel -- Tenax Data -- 6/26/91 -- 1600-1800 -- page 1 TENAX:2062616 FLOW:41.3 Table B7

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
1	13.35	ETHYLBENZENE	754.704	18.27	4.21	33.72	8	106
2	13.74	m+p-XYLENE	2985.85	72.30	16.68	133.41	8	106
3	13.87	4-METHYLOCTANE	137.132	3.32	0.63	5.71	9	128
4	13.94	5-METHYL-3-HEPTANONE	33.501	0.81	0.17	1.22	7	114
5	14.11	3-METHYLOCTANE	81.229	1.97	0.38	3.38	9	128
6	14.19	STYRENE	246.597	5.97	1.40	11.23	8	104
7	14.41	o-XYLENE	1090.183	26.40	6.09	48.71	8	106
8	14.50	C9 OLEFIN	16.029	0.39	0.08	0.68	9	126
9	14.56	2-BUTOXYETHANOL	39.157	0.95	0.20	1.18	6	118
10	14.95	n-NONANE	68.946	1.67	0.32	2.87	9	128
11	15.35	ISOPROPYLBENZENE (CUMENE)	54.411	1.32	0.27	2.42	9	120
12	15.97	BENZALDEHYDE	219.933	5.33	1.23	8.60	7	106
13	16.18	DIMETHYLOCTANE	245.601	5.95	1.02	10.24	10	142
14	16.31	n-PROPYLBENZENE	201.12	4.87	0.99	8.93	9	120
15	16.62	m-ETHYLTOLUENE	943.927	22.86	4.66	41.91	9	120
16	16.67	p-ETHYLTOLUENE	263.134	6.37	1.30	11.68	9	120
17	16.84	1,3,5-TRIMETHYLBENZENE	415.33	10.06	2.05	18.44	9	120
18	16.91	PHENOL + C11 PARAFFIN	16.236	0.39	0.10	0.61	6	94
19	17.03	C10 PARAFFIN	270.946	6.56	1.13	11.30	10	142
20	17.13	o-ETHYLTOLUENE	308.37	7.47	1.52	13.69	9	120
21	17.24	C10 PARAFFIN	54.684	1.32	0.23	2.28	10	142
22	17.68	1,2,4-TRIMETHYLBENZENE	1580.534	38.27	7.80	70.18	9	120
23	18.12	n-DECANE+secBUTYLBENZENE	92.464	2.24	0.39	3.85	10	142
24	18.45	1,2,3-TRIMETHYLBENZENE + C4-BENZENE	286.777	6.94	1.41	12.73	9	120
25	18.79	C4-BENZENE	221.5	5.36	0.98	9.79	10	134
26	18.98	PROPENYLBENZENE	72.05	1.74	0.36	3.25	9	118
27	19.26	INDENE	ART	0.00	0.00	0.00	9	116
28	19.40	C4-BENZENE + m-METHYLBENZALDEHYDE	346.34	8.39	1.53	15.30	10	134
29	19.47	DIETHYLBENZENE	121.86	2.95	0.54	5.38	10	134
30	19.59	2-ETHYL-1,4-DIMETHYLBENZENE	220.042	5.33	0.97	9.72	10	134
31	19.80	p-METHYLBENZALDEHYDE + C11 OLEFIN	105.69	2.56	0.52	4.17	8	120
32	19.96	o-PROPYLTOLUENE	ART	0.00	0.00	0.00	10	134
33	20.21	ETHYLDIMETHYLBENZENE	363.88	8.81	1.61	16.08	10	134

Table B7 (Cont.)

Caldecott Tunnel -- Tenax Data -- 6/26/91 -- 1600-1800 -- page 2

TENAX:2062616

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
34	20.39	TETRAMETHYLBENZENE	244.25	5.91	1.08	10.79	10	134
35	20.93	ETHYLDIMETHYLBENZENE	151.841	3.68	0.67	6.71	10	134
36	21.10	n-UNDECANE	83.348	2.02	0.32	3.48	11	156
37	21.31	1,2,4,5-TETRAMETHYLBENZENE	133.564	3.23	0.59	5.90	10	134
38	21.42	1,2,3,5-TETRAMETHYLBENZENE	180.39	4.37	0.80	7.97	10	134
39	21.79	2,3-DIHYDRO-2-METHYLINDENE	36.79	0.89	0.16	1.65	10	132
40	21.90	1,3-DIETHYL-5-METHYLBENZENE	97.12	2.35	0.39	4.27	11	148
41		C5-BENZENE+METHYLINDENE		0.00	0.00	0.00	11	148
42	21.98	2,3-DIHYDRO-1-METHYLINDENE	12.83	0.31	0.06	0.58	10	132
43	22.19	C5- + C4-BENZENE	60.16	1.46	0.24	2.65	11	148
44	22.29	C5-BENZENE	77.82	1.88	0.31	3.42	11	148
45	22.43	DIETHYLMETHYLBENZENE	36.928	0.89	0.15	1.62	11	148
46	22.57	DIETHYLMETHYLBENZENE	36.13	0.87	0.14	1.59	11	148
47	22.91	C5-BENZENE	42.221	1.02	0.17	1.86	11	148
48	23.09	NAPHTHALENE	511.805	12.39	2.37	23.67	10	128
49	23.26	DIMETHYLINDANE	13.124	0.32	0.05	0.59	11	146
50	23.55	DIMETHYLCUMENE	28.336	0.69	0.11	1.25	11	148
51	23.84	n-DODECANE + C5-BENZENE	41.46	1.00	0.14	1.73	12	170
52	24.27	DIPROPYLBENZENE + C13 PARAFFIN	42.66	1.03	0.16	1.87	12	162
53	24.66	2,3-DIHYDROETHYLINDENE + C6-BENZENE	10.057	0.24	0.04	0.45	11	146
54	24.94	2,3,-DIHYDRODIMETHYLINDENE	24.25	0.59	0.10	1.08	11	146
55	25.32	2,3-DIHYDRODIMETHYLINDENE	6.56	0.16	0.03	0.29	11	146
56	25.84	C6-BENZENE + C14 OLEFIN + 2,3-DIHYDRODIMETHYLINDENE	14.78	0.36	0.05	0.65	12	162
57	26.06	2-METHYLNAPHTHALENE	199.733	4.84	0.83	9.16	11	142
58	26.46	1-METHYLNAPHTHALENE + N-TRIDECANE	114.12	2.76	0.48	5.23	11	142
59		BIPHENYL		0.00	0.00	0.00	12	154
60	28.85	DIMETHYLNAPHTHALENE	4.98	0.12	0.02	0.23	12	156
61	28.95	n-TETRADECANE	11.871	0.29	0.04	0.50	14	198
62	29.18	DIMETHYLNAPHTHALENE	23.917	0.58	0.09	1.09	12	156
63	31.25	n-PENTADECANE	4.16	0.10	0.01	0.17	15	212
64	33.40	n-HEXADECANE	7.12	0.17	0.02	0.30	16	226
65	35.43	n-HEPTADECANE	13.602	0.33	0.03	0.57	17	240
66		PHENANTHRENE		0.00	0.00	0.00	14	178
67	37.36	n-OCTADECANE	13.045	0.32	0.03	0.54	18	256
		TOTAL			70.44	624.52		
		Total Aromatics			65.70	578.37		
		Total Paraffins			4.30	43.07		
		Total Olefins			0.08	0.68		
		Total from #49			2.23	25.70		

Caldec nnel -- Tenax Data -- 6/26/91 -- 1600-1800 -- page 1 TENAX 3162616 FLOW:41.3 Table B8

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
1	13.36	ETHYLBENZENE	846.126	20.49	4.73	37.80	8	106
2	13.76	m+p-XYLENE	3359.578	81.35	18.76	150.11	8	106
3	13.88	4-METHYLOCTANE	159.095	3.85	0.74	6.62	9	128
4	13.96	5-METHYL-3-HEPTANONE	27.733	0.67	0.14	1.01	7	114
5	14.12	3-METHYLOCTANE	96.053	2.33	0.44	4.00	9	128
6	14.20	STYRENE	280.35	6.79	1.60	12.77	8	104
7	14.44	o-XYLENE	1237.143	29.96	6.91	55.28	8	106
8	14.51	C9 OLEFIN	19.397	0.47	0.09	0.82	9	126
9	14.57	2-BUTOXYETHANOL	45.588	1.10	0.23	1.37	6	118
10	14.97	n-NONANE	79.312	1.92	0.37	3.30	9	128
11	15.37	ISOPROPYLBENZENE (CUMENE)	62.824	1.52	0.31	2.79	9	120
12	15.99	BENZALDEHYDE	255.566	6.19	1.43	9.99	7	106
13	16.19	DIMETHYLOCTANE	106.959	2.59	0.45	4.46	10	142
14	16.33	n-PROPYLBENZENE	234.39	5.68	1.16	10.41	9	120
15	16.64	m-ETHYLTOLUENE	1087.738	26.34	5.37	48.30	9	120
16	16.70	p-ETHYLTOLUENE	288.224	6.98	1.42	12.80	9	120
17	16.86	1,3,5-TRIMETHYLBENZENE	477.847	11.57	2.36	21.22	9	120
18	16.93	PHENOL + C11 PARAFFIN	16.748	0.41	0.11	0.63	6	94
19	17.04	C10 PARAFFIN	273.356	6.62	1.14	11.40	10	142
20	17.15	o-ETHYLTOLUENE	349.876	8.47	1.73	15.53	9	120
21	17.26	C10 PARAFFIN	62.839	1.52	0.26	2.62	10	142
22	17.71	1,2,4-TRIMETHYLBENZENE	1806.275	43.74	8.91	80.20	9	120
23	18.14	n-DECANE+secBUTYLBENZENE	128.852	3.12	0.54	5.37	10	142
24	18.47	1,2,3-TRIMETHYLBENZENE + C4-BENZENE	361.43	8.75	1.78	16.05	9	120
25	18.77	C4-BENZENE	347.91	8.42	1.54	15.37	10	134
26	18.81	PROPENYLBENZENE	176.985	4.29	0.89	7.99	9	118
27	18.99	INDENE	155.27	3.76	0.79	7.13	9	116
28	19.40	C4-BENZENE + m-METHYLBENZALDEHYDE	513.33	12.43	2.27	22.68	10	134
29	19.47	DIETHYLBENZENE	105.09	2.54	0.46	4.64	10	134
30	19.60	2-ETHYL-1,4-DIMETHYLBENZENE	224.68	5.44	0.99	9.93	10	134
31	19.84	p-METHYLBENZALDEHYDE + C11 OLEFIN	43.83	1.06	0.22	1.73	8	120
32	19.96	o-PROPYLTOLUENE	132.92	3.22	0.59	5.87	10	134
33	20.21	ETHYLDIMETHYLBENZENE	456.58	11.06	2.02	20.17	10	134

Table B8 (Cont.)

Caldecott Tunnel -- Tenax Data -- 6/26/91 -- 1600-1800 -- page 2

TENAX 3162616

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
34	20.4	TETRAMETHYLBENZENE	300.28	7.27	1.33	13.27	10	134
35	20.938	ETHYLDIMETHYLBENZENE	144.22	3.49	0.64	6.37	10	134
36	21.111	n-UNDECANE	45.22	1.09	0.17	1.89	11	156
37	21.319	1,2,4,5-TETRAMETHYLBENZENE	145.27	3.52	0.64	6.42	10	134
38	21.432	1,2,3,5-TETRAMETHYLBENZENE	173.13	4.19	0.76	7.65	10	134
39	21.909	2,3-DIHYDRO-2-METHYLINDENE	143.28	3.47	0.64	6.43	10	132
40	21.997	1,3-DIETHYL-5-METHYLBENZENE	26.03	0.63	0.10	1.15	11	148
41	22.096	C5-BENZENE+METHYLINDENE	29.139	0.71	0.12	1.28	11	148
42	22.2	2,3-DIHYDRO-1-METHYLINDENE	85.425	2.07	0.38	3.83	10	132
43	22.297	C5- + C4-BENZENE	94.48	2.29	0.38	4.16	11	148
44	22.442	C5-BENZENE	41.576	1.01	0.17	1.83	11	148
45	22.578	DIETHYLMETHYLBENZENE	48.19	1.17	0.19	2.12	11	148
46		DIETHYLMETHYLBENZENE		0.00	0.00	0.00	11	148
47	22.92	C5-BENZENE	49.363	1.20	0.20	2.17	11	148
48	23.102	NAPHTHALENE	540.861	13.10	2.50	25.02	10	128
49	23.271	DIMETHYLINDANE	16.191	0.39	0.07	0.72	11	146
50	23.556	DIMETHYLCUMENE	33.156	0.80	0.13	1.46	11	148
51	23.85	n-DODECANE + C5-BENZENE	54.13	1.31	0.19	2.26	12	170
52	24.28	DIPROPYLBENZENE + C13 PARAFFIN	42.58	1.03	0.16	1.87	12	162
53		2,3-DIHYDROETHYLINDENE + C6-BENZENE		0.00	0.00	0.00	11	146
54	24.954	2,3,-DIHYDRODIMETHYLINDENE	33.48	0.81	0.14	1.49	11	146
55	25.328	2,3-DIHYDRODIMETHYLINDENE	29.104	0.70	0.12	1.30	11	146
56	25.845	C6-BENZENE + C14 OLEFIN + 2,3-DIHYDRODIMETHYLINDENE	25.72	0.62	0.09	1.13	12	162
57	26.067	2-METHYLNAPHTHALENE	211.247	5.11	0.88	9.69	11	142
58	26.469	1-METHYLNAPHTHALENE + N-TRIDECANE	117.122	2.84	0.49	5.37	11	142
59		BIPHENYL		0.00	0.00	0.00	12	154
60	28.864	DIMETHYLNAPHTHALENE	17.36	0.42	0.07	0.79	12	156
61	28.96	n-TETRADECANE	12.3	0.30	0.04	0.51	14	198
62	29.184	DIMETHYLNAPHTHALENE	15.583	0.38	0.06	0.71	12	156
63	31.273	n-PENTADECANE	13.51	0.33	0.04	0.57	15	212
64	33.417	n-HEXADECANE	9.49	0.23	0.02	0.40	16	226
65	35.446	n-HEPTADECANE	19.211	0.47	0.05	0.81	17	240
66		PHENANTHRENE		0.00	0.00	0.00	14	178
67	37.38	n-OCTADECANE	12.954	0.31	0.03	0.54	18	256
		TOTAL			81.50	723.53		
		Total Aromatics			77.11	680.96		
		Total Paraffins			3.93	39.37		
		Total Olefins			0.09	0.82		
		Total from #49			2.56	29.61		

Caldeco nel -- Tenax Data -- 6/27/91 -- 0600-0800 -- page 1

TENAX:3162706F FLOW:41.8 L

Table B9

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
1	13.32	ETHYLBENZENE	594.75	14.23	3.28	26.26	8	106
2	13.69	m+p-XYLENE	2288.24	54.74	12.63	101.02	8	106
3	13.85	4-METHYLOCTANE	126.23	3.02	0.58	5.19	9	128
4	13.98	5-METHYL-3-HEPTANONE		0.00	0.00	0.00	7	114
5	14.08	3-METHYLOCTANE	70.99	1.70	0.32	2.92	9	128
6	14.16	STYRENE	176.43	4.22	0.99	7.94	8	104
7	14.38	o-XYLENE	828.55	19.82	4.57	36.58	8	106
8		C9 OLEFIN		0.00	0.00	0.00	9	126
9	14.68	2-BUTOXYETHANOL	363.96	8.71	1.80	10.82	6	118
10	14.94	n-NONANE	62.42	1.49	0.29	2.57	9	128
11	15.34	ISOPROPYLBENZENE (CUMENE)	44.34	1.06	0.22	1.95	9	120
12	15.94	BENZALDEHYDE	177.76	4.25	0.98	6.87	7	106
13	16.07	DIMETHYLOCTANE	22.76	0.54	0.09	0.94	10	142
14	16.29	n-PROPYLBENZENE	165.22	3.95	0.81	7.25	9	120
15	16.58	m-ETHYLTOLUENE	697.30	16.68	3.40	30.59	9	120
16	16.64	p-ETHYLTOLUENE	219.42	5.25	1.07	9.63	9	120
17	16.81	1,3,5-TRIMETHYLBENZENE	313.12	7.49	1.53	13.74	9	120
18	16.89	PHENOL + C11 PARAFFIN	15.20	0.36	0.09	0.57	6	94
19	17.00	C10 PARAFFIN	216.77	5.19	0.89	8.93	10	142
20	17.10	o-ETHYLTOLUENE	244.50	5.85	1.19	10.73	9	120
21	17.23	C10 PARAFFIN	23.25	0.56	0.10	0.96	10	142
22	17.64	1,2,4-TRIMETHYLBENZENE	1185.06	28.35	5.78	51.99	9	120
23	18.10	n-DECANE+secBUTYLBENZENE	102.46	2.45	0.42	4.22	10	142
24	18.42	1,2,3-TRIMETHYLBENZENE + C4-BENZENE	234.52	5.61	1.14	10.29	9	120
25	18.75	C4-BENZENE	ART	0.00	0.00	0.00	10	134
26	18.83	PROPENYLBENZENE	118.92	2.84	0.59	5.31	9	118
27	18.97	INDENE	10.85	0.26	0.05	0.49	9	116
28	19.38	C4-BENZENE + m-METHYLBENZALDEHYDE	182.30	4.36	0.80	7.96	10	134
29	19.48	DIETHYLBENZENE	51.26	1.23	0.22	2.24	10	134
30	19.56	2-ETHYL-1,4-DIMETHYLBENZENE	132.12	3.16	0.58	5.77	10	134
31	19.80	p-METHYLBENZALDEHYDE + C11 OLEFIN	51.42	1.23	0.25	2.01	8	120
32	19.94	o-PROPYLTOLUENE	ART	0.00	0.00	0.00	10	134
33	20.18	ETHYLDIMETHYLBENZENE	14.03	0.34	0.06	0.61	10	134

Table B9 (Cont.)

Caldecott Tunnel -- Tenax Data -- 6/27/91 -- 0600-0800 -- page 2

TENAX:3162706F

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
34	20.36	TETRAMETHYLBENZENE	141.32	3.38	0.62	6.17	10	134
35	20.91	ETHYLDIMETHYLBENZENE	ART	0.00	0.00	0.00	10	134
36	21.08	n-UNDECANE	ART	0.00	0.00	0.00	11	156
37	21.29	1,2,4,5-TETRAMETHYLBENZENE	97.64	2.34	0.43	4.26	10	134
38	21.40	1,2,3,5-TETRAMETHYLBENZENE	128.30	3.07	0.56	5.60	10	134
39	21.88	2,3-DIHYDRO-2-METHYLINDENE	50.79	1.22	0.23	2.25	10	132
40	21.96	1,3-DIETHYL-5-METHYLBENZENE	21.78	0.52	0.09	0.95	11	148
41	22.17	C5-BENZENE+METHYLINDENE	75.36	1.80	0.30	3.28	11	148
42	22.27	2,3-DIHYDRO-1-METHYLINDENE	76.52	1.83	0.34	3.39	10	132
43	22.40	C5- + C4-BENZENE	25.37	0.61	0.10	1.10	11	148
44	22.55	C5-BENZENE	51.72	1.24	0.20	2.25	11	148
45	22.88	DIETHYLMETHYLBENZENE	9.33	0.22	0.04	0.41	11	148
46	22.94	DIETHYLMETHYLBENZENE		0.00	0.00	0.00	11	148
47		C5-BENZENE	30	0.72	0.12	1.30	11	148
48	23.05	NAPHTHALENE	207.18	4.96	0.95	9.47	10	128
49	23.17	DIMETHYLINDANE	20.89	0.50	0.08	0.92	11	146
50	23.53	DIMETHYLCUMENE	21.35	0.51	0.08	0.93	11	148
51	23.83	n-DODECANE + C5-BENZENE	32.82	0.79	0.11	1.36	12	170
52	24.26	DIPROPYLBENZENE + C13 PARAFFIN	36.83	0.88	0.13	1.60	12	162
53	24.65	2,3-DIHYDROETHYLINDENE + C6-BENZENE	8.82	0.21	0.04	0.39	11	146
54	24.93	2,3,-DIHYDRODIMETHYLINDENE	16.61	0.40	0.07	0.73	11	146
55	25.30	2,3-DIHYDRODIMETHYLINDENE	1.85	0.04	0.01	0.08	11	146
56	25.83	C6-BENZENE + C14 OLEFIN + 2,3-DIHYDRODIMETHYLINDENE	6.96	0.17	0.03	0.30	12	162
57	26.03	2-METHYLNAPHTHALENE	132.25	3.16	0.54	5.99	11	142
58	26.44	1-METHYLNAPHTHALENE + N-TRIDECANE	86.84	2.08	0.36	3.93	11	142
59		BIPHENYL		0.00	0.00	0.00	12	154
60	28.85	DIMETHYLNAPHTHALENE	22.38	0.54	0.08	1.01	12	156
61	28.94	n-TETRADECANE	12.20	0.29	0.04	0.50	14	198
62	29.16	DIMETHYLNAPHTHALENE	13.68	0.33	0.05	0.62	12	156
63	31.26	n-PENTADECANE	ART	0.00	0.00	0.00	15	212
64	33.40	n-HEXADECANE	5.58	0.13	0.01	0.23	16	226
65	35.42	n-HEPTADECANE	12.78	0.31	0.03	0.53	17	240
66	36.94	PHENANTHRENE		0.00	0.00	0.00	14	178
67	37.36	n-OCTADECANE	10.54	0.25	0.02	0.43	18	256
		TOTAL			50.37	436.27		
		Total Aromatics			46.08	400.89		
		Total Paraffins			2.49	24.56		
		Total Olefins			0.00	0.00		
		Total from #49			1.69	19.55		

Caldecc ınel -- Tenax Data --6/27/91--0600-0800-- page 1 TENAX:2062706F FLOW:41.7 Table B10

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
1	13.349	ETHYLBENZENE	573.90	13.76	3.17	25.40	8	106
2	13.755	m+p-XYLENE	2276.05	54.58	12.59	100.72	8	106
3	13.878	4-METHYLOCTANE	109.46	2.62	0.50	4.51	9	128
4	13.956	5-METHYL-3-HEPTANONE	13.74	0.33	0.07	0.49	7	114
5	14.12	3-METHYLOCTANE	59.32	1.42	0.27	2.45	9	128
6	14.196	STYRENE	173.51	4.16	0.98	7.83	8	104
7	14.43	o-XYLENE	829.46	19.89	4.59	36.70	8	106
8	14.506	C9 OLEFIN	11.43	0.27	0.05	0.48	9	126
9	14.746	2-BUTOXYETHANOL	349.91	8.39	1.60	14.43	9	128
10	14.97	n-NONANE	62.11	1.49	0.28	2.56	9	128
11	15.369	ISOPROPYLBENZENE (CUMENE)	45.46	1.09	0.22	2.00	9	120
12	15.985	BENZALDEHYDE	148.42	3.56	0.82	5.75	7	106
13	16.095	DIMETHYLOCTANE	22.36	0.54	0.09	0.92	10	142
14	16.324	n-PROPYLBENZENE	162.94	3.91	0.80	7.17	9	120
15	16.64	m-ETHYLTOLUENE	722.48	17.33	3.53	31.77	9	120
16	16.693	p-ETHYLTOLUENE	198.31	4.76	0.97	8.72	9	120
17	16.861	1,3,5-TRIMETHYLBENZENE	337.81	8.10	1.65	14.86	9	120
18	16.982	PHENOL + C11 PARAFFIN	30.63	0.73	0.19	1.15	6	94
19	17.053	C11 PARAFFIN	109.80	2.63	0.41	4.54	11	156
20	17.15	o-ETHYLTOLUENE	301.57	7.23	1.47	13.26	9	120
21	17.26	C10 PARAFFIN	23.02	0.55	0.10	0.95	10	142
22	17.707	1,2,4-TRIMETHYLBENZENE	1261.37	30.25	6.16	55.47	9	120
23	18.144	n-DECANE+secBUTYLBENZENE	90.54	2.17	0.37	3.74	10	142
24	18.47	1,2,3-TRIMETHYLBENZENE + C4-BENZENE	240.35	5.76	1.17	10.57	9	120
25	18.582	C4-BENZENE	48.28	1.16	0.21	2.11	10	134
26	18.82	PROPENYLBENZENE	322.65	7.74	1.60	14.43	9	118
27	19.003	PROPYNYLBENZENE	88.96	2.13	0.45	4.05	9	116
28	19.43	C4-BENZENE + m-METHYLBENZALDEHYDE	306.27	7.34	1.34	13.40	10	134
29	19.498	DIETHYLBENZENE	187.71	4.50	0.82	8.21	10	134
30	19.618	2-ETHYL-1,4-DIMETHYLBENZENE	158.93	3.81	0.70	6.95	10	134
31	19.821	p-METHYLBENZALDEHYDE + C11 OLEFIN	87.56	2.10	0.43	3.42	8	120
32	19.986	o-PROPYLTOLUENE	30.09	0.72	0.13	1.32	10	134
33	20.236	ETHYLDIMETHYLBENZENE	99.20	2.38	0.43	4.34	10	134

TENAX:2062706F

Table B10 (Cont.)

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
34	20.419	TETRAMETHYLBENZENE	201.40	4.83	0.88	8.81	10	134
35	20.953	ETHYLDIMETHYLBENZENE	48.99	1.17	0.21	2.14	10	134
36	21.13	n-UNDECANE	79.48	1.91	0.28	3.11	11	165
37	21.337	1,2,4,5-TETRAMETHYLBENZENE	68.50	1.64	0.30	3.00	10	134
38	21.448	1,2,3,5-TETRAMETHYLBENZENE	142.21	3.41	0.62	6.22	10	134
39	21.922	2,3-DIHYDRO-2-METHYLINDENE	77.95	1.87	0.35	3.46	10	132
40	22.006	1,3-DIETHYL-5-METHYLBENZENE	20.09	0.48	0.08	0.88	11	148
41	22.106	C5-BENZENE+METHYLINDENE	7.50	0.18	0.03	0.33	11	148
42	22.213	2,3-DIHYDRO-1-METHYLINDENE	47.13	1.13	0.21	2.09	10	132
43	22.306	C5- + C4-BENZENE	56.36	1.35	0.22	2.46	11	148
44	22.45	C5-BENZENE	28.87	0.69	0.11	1.26	11	148
45	22.584	DIETHYLMETHYLBENZENE	14.45	0.35	0.06	0.63	11	148
46	22.855	DIETHYLMETHYLBENZENE	3.15	0.08	0.01	0.14	11	148
47	22.926	C5-BENZENE	8.92	0.21	0.04	0.39	11	148
48	23.108	NAPHTHALENE	295.46	7.09	1.35	13.53	10	128
49	23.277	DIMETHYLINDANE	9.57	0.23	0.04	0.42	11	146
50	23.565	DIMETHYLCUMENE	24.66	0.59	0.10	1.07	11	148
51	23.859	n-DODECANE + C5-BENZENE	40.17	0.96	0.14	1.66	12	170
52	24.286	DIPROPYLBENZENE + C13 PARAFFIN	33.06	0.79	0.12	1.44	12	162
53	24.676	2,3-DIHYDROETHYLINDENE + C6-BENZENE	7.13	0.17	0.03	0.32	11	146
54	24.96	2,3,-DIHYDRODIMETHYLINDENE	22.32	0.54	0.09	0.99	11	146
55	25.337	2,3-DIHYDRODIMETHYLINDENE	6.96	0.17	0.03	0.31	11	146
56	25.856	C6-BENZENE + C14 OLEFIN + 2,3-DIHYDRODIMETHYLINDENE	16.00	0.38	0.06	0.69	12	162
57	26.076	2-METHYLNAPHTHALENE	141.07	3.38	0.58	6.41	11	142
58	26.477	1-METHYLNAPHTHALENE + N-TRIDECANE	86.25	2.07	0.36	3.92	11	142
59		BIPHENYL						
60	28.878	DIMETHYLNAPHTHALENE	6.23	0.15	0.02	0.28	12	156
61	28.97	n-TETRADECANE	9.81	0.24	0.03	0.41	14	198
62	29.195	DIMETHYLNAPHTHALENE	10.39	0.25	0.04	0.47	12	156
63	31.277	n-PENTADECANE	5.08	0.12	0.01	0.21	15	212
64	33.418	n-HEXADECANE	5.93	0.14	0.02	0.25	16	226
65	35.445	n-HEPTADECANE	13.08	0.31	0.03	0.54	17	240
66	36.91	PHENANTHRENE	0.00	0.00	0.00	0.00	14	178
67	37.376	n-OCTADECANE	8.20	0.20	0.02	0.34	18	256
		TOTAL			54.66	482.81		
		Total Aromatics			50.75	444.97		
		Total Paraffins			2.19	22.45		
		Total Olefins			0.05	0.48		
		Total from #49			1.71	19.72		

Caldeco nel -- Tenax Data -- 6/27/91 -- 1000-1200 -- page 1 TENAX:2062710 F FLOW:41.4 L Table B11

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
1	13.36	ETHYLBENZENE	937.66	22.65	5.22	41.79	8	106
2	13.76	m+p-XYLENE	3751.47	90.62	20.90	167.21	8	106
3	13.88	4-METHYLOCTANE	187.90	4.54	0.87	7.80	9	128
4	13.97	5-METHYL-3-HEPTANONE		0.00	0.00	0.00	7	114
5	14.11	3-METHYLOCTANE	118.71	2.87	0.55	4.93	9	128
6	14.19	STYRENE	289.51	6.99	1.64	13.15	8	104
7	14.43	o-XYLENE	1372.00	33.14	7.64	61.15	8	106
8	14.64	C9 OLEFIN	192.82	4.66	0.90	8.13	9	126
9		2-BUTOXYETHANOL		0.00	0.00	0.00	6	118
10	14.96	n-NONANE	111.06	2.68	0.51	4.61	9	128
11	15.35	ISOPROPYLBENZENE (CUMENE)	71.53	1.73	0.35	3.17	9	120
12	15.97	BENZALDEHYDE	290.15	7.01	1.62	11.32	7	106
13	16.17	DIMETHYLOCTANE	83.26	2.01	0.35	3.46	10	142
14	16.31	n-PROPYLBENZENE	271.02	6.55	1.33	12.00	9	120
15	16.62	m-ETHYLTOLUENE	1170.23	28.27	5.76	51.83	9	120
16	16.68	p-ETHYLTOLUENE	316.21	7.64	1.56	14.01	9	120
17	16.85	1,3,5-TRIMETHYLBENZENE	530.51	12.81	2.61	23.50	9	120
18	16.96	PHENOL + C11 PARAFFIN	184.46	4.46	1.16	6.95	6	94
19	17.03	C10 PARAFFIN	108.84	2.63	0.45	4.53	10	142
20	17.14	o-ETHYLTOLUENE	382.36	9.24	1.88	16.94	9	120
21	17.24	C10 PARAFFIN	84.69	2.05	0.35	3.52	10	142
22	17.70	1,2,4-TRIMETHYLBENZENE	1962.08	47.39	9.66	86.91	9	120
23	18.13	n-DECANE+secBUTYLBENZENE	179.39	4.33	0.75	7.46	10	142
24	18.45	1,2,3-TRIMETHYLBENZENE + C4-BENZENE	415.50	10.04	2.04	18.40	9	120
25	18.68	C4-BENZENE	ART	0.00	0.00	0.00	10	134
26	18.79	PROPENYLBENZENE	277.32	6.70	1.39	12.49	9	118
27	18.96	INDENE	56.92	1.37	0.29	2.61	9	116
28	19.43	C4-BENZENE + m-METHYLBENZALDEHYDE	76.12	1.84	0.34	3.35	10	134
29	19.49	DIETHYLBENZENE	198.83	4.80	0.88	8.76	10	134
30	19.57	2-ETHYL-1,4-DIMETHYLBENZENE	240.65	5.81	1.06	10.61	10	134
31	19.81	p-METHYLBENZALDEHYDE + C11 OLEFIN	56.88	1.37	0.28	2.24	8	120
32	19.91	o-PROPYLTOLUENE	ART	0.00	0.00	0.00	10	134
33	20.18	ETHYLDIMETHYLBENZENE	375.00	9.06	1.65	16.53	10	134

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TENAX:2062710 F

Table B11 (Cont.)

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
34	20.37	TETRAMETHYLBENZENE	291.93	7.05	1.29	12.87	10	134
35	20.92	ETHYLDIMETHYLBENZENE	106.23	2.57	0.47	4.68	10	134
36	21.08	n-UNDECANE	58.28	1.41	0.22	2.43	11	156
37	21.29	1,2,4,5-TETRAMETHYLBENZENE	160.83	3.88	0.71	7.09	10	134
38	21.40	1,2,3,5-TETRAMETHYLBENZENE	249.71	6.03	1.10	11.01	10	134
39	21.88	2,3-DIHYDRO-2-METHYLINDENE	147.27	3.56	0.66	6.59	10	132
40	21.97	1,3-DIETHYL-5-METHYLBENZENE	28.61	0.69	0.11	1.26	11	148
41	22.07	C5-BENZENE+METHYLINDENE	38.16	0.92	0.15	1.67	11	148
42	22.18	2,3-DIHYDRO-1-METHYLINDENE	103.56	2.50	0.46	4.63	10	132
43	22.27	C5- + C4-BENZENE	95.50	2.31	0.38	4.19	11	148
44	22.42	C5-BENZENE	55.89	1.35	0.22	2.45	11	148
45	22.56	DIETHYLMETHYLBENZENE	53.82	1.30	0.21	2.36	11	148
46	22.75	DIETHYLMETHYLBENZENE	33.51	0.81	0.13	1.47	11	148
47	22.90	C5-BENZENE	55.27	1.33	0.22	2.43	11	148
48	23.08	NAPHTHALENE	555.39	13.42	2.56	25.62	10	128
49	23.25	DIMETHYLINDANE	17.36	0.42	0.07	0.77	11	146
50	23.53	DIMETHYLCUMENE	33.22	0.80	0.13	1.46	11	148
51	23.83	n-DODECANE + C5-BENZENE	61.40	1.48	0.21	2.56	12	170
52	24.26	DIPROPYLBENZENE + C13 PARAFFIN	33.44	0.81	0.12	1.46	12	162
53	24.75	2,3-DIHYDROETHYLINDENE + C6-BENZENE	10.53	0.25	0.04	0.47	11	146
54	24.93	2,3,-DIHYDRODIMETHYLINDENE	26.98	0.65	0.11	1.20	11	146
55	25.30	2,3-DIHYDRODIMETHYLINDENE	29.74	0.72	0.12	1.32	11	146
56	25.81	C6-BENZENE + C14 OLEFIN + 2,3-DIHYDRODIMETHYLINDENE	43.93	1.06	0.16	1.92	12	162
57	26.05	2-METHYLNAPHTHALENE	248.80	6.01	1.03	11.38	11	142
58	26.44	1-METHYLNAPHTHALENE + N-TRIDECANE	143.75	3.47	0.60	6.58	11	142
59	28.01	BIPHENYL	2.9	0.07	0.01	0.13	12	154
60	28.83	DIMETHYLNAPHTHALENE	8.96	0.22	0.03	0.41	12	156
61	28.92	n-TETRADECANE	17.70	0.43	0.05	0.74	14	198
62	29.15	DIMETHYLNAPHTHALENE	27.94	0.67	0.11	1.27	12	156
63	31.24	n-PENTADECANE	13.66	0.33	0.04	0.57	15	212
64	33.39	n-HEXADECANE	13.03	0.31	0.03	0.54	16	226
65	35.42	n-HEPTADECANE	19.40	0.47	0.05	0.81	17	240
66		PHENANTHRENE		0.00	0.00	0.00	14	178
67	37.36	n-OCTADECANE	12.96	0.31	0.03	0.54	18	256
		TOTAL			85.86	754.27		
		Total Aromatics			81.24	709.09		
		Total Paraffins			3.71	37.05		
		Total Olefins			0.90	8.13		
		Total from #49			2.96	34.14		

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
1	13.37	ETHYLBENZENE	903.07	22.03	5.08	40.64	8	106
2	13.77	m+p-XYLENE	3615.06	88.17	20.34	162.70	8	106
3	13.89	4-METHYLOCTANE	188.29	4.59	0.88	7.90	9	128
4	13.97	5-METHYL-3-HEPTANONE	40.21	0.98	0.21	1.47	7	114
5	14.13	3-METHYLOCTANE	110.36	2.69	0.51	4.63	9	128
6	14.21	STYRENE	276.33	6.74	1.58	12.68	8	104
7	14.45	o-XYLENE	1332.19	32.49	7.49	59.96	8	106
8	14.66	C9 OLEFIN	187.28	4.57	0.89	7.98	9	126
9		2-BUTOXYETHANOL		0.00	0.00	0.00	6	118
10	14.98	n-NONANE	101.43	2.47	0.47	4.25	9	128
11	15.37	ISOPROPYLBENZENE (CUMENE)	66.46	1.62	0.33	2.97	9	120
12	16.00	BENZALDEHYDE	260.81	6.36	1.47	10.27	7	106
13	16.10	DIMETHYLOCTANE	36.98	0.90	0.16	1.55	10	142
14	16.33	n-PROPYLBENZENE	249.47	6.08	1.24	11.16	9	120
15	16.65	m-ETHYLTOLUENE	1144.80	27.92	5.69	51.20	9	120
16	16.70	p-ETHYLTOLUENE	301.45	7.35	1.50	13.48	9	120
17	16.87	1,3,5-TRIMETHYLBENZENE	516.65	12.60	2.57	23.11	9	120
18	16.99	PHENOL + C11 PARAFFIN	169.48	4.13	1.08	6.45	6	94
19	17.05	C10 PARAFFIN	119.41	2.91	0.50	5.01	10	142
20	17.16	o-ETHYLTOLUENE	372.68	9.09	1.85	16.67	9	120
21	17.27	C10 PARAFFIN	74.97	1.83	0.31	3.15	10	142
22	17.72	1,2,4-TRIMETHYLBENZENE	1963.84	47.90	9.76	87.83	9	120
23	18.15	n-DECANE+secBUTYLBENZENE	166.01	4.05	0.70	6.97	10	142
24	18.48	1,2,3-TRIMETHYLBENZENE + C4-BENZENE	416.00	10.15	2.07	18.61	9	120
25	18.73	C4-BENZENE	ART	0.00	0.00	0.00	10	134
26	18.82	PROPENYLBENZENE	244.88	5.97	1.24	11.14	9	118
27	18.99	INDENE	53.24	1.30	0.27	2.46	9	116
28	19.40	C4-BENZENE + m-METHYLBENZALDEHYDE	395.87	9.66	1.76	17.62	10	134
29	19.47	DIETHYLBENZENE	84.54	2.06	0.38	3.76	10	134
30	19.60	2-ETHYL-1,4-DIMETHYLBENZENE	243.04	5.93	1.08	10.82	10	134
31	19.84	p-METHYLBENZALDEHYDE + C11 OLEFIN	50.95	1.24	0.25	2.03	8	120
32	19.95	o-PROPYLTOLUENE	ART	0.00	0.00	0.00	10	134
33	20.21	ETHYLDIMETHYLBENZENE	472.56	11.53	2.10	21.03	10	134

Table B12 (Cont.)

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TENAX:1162710F

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
34	20.40	TETRAMETHYLBENZENE	333.64	8.14	1.48	14.85	10	134
35	20.94	ETHYLDIMETHYLBENZENE	120.11	2.93	0.53	5.35	10	134
36	21.11	n-UNDECANE	140.04	3.42	0.54	5.89	11	156
37	21.32	1,2,4,5-TETRAMETHYLBENZENE	162.80	3.97	0.72	7.24	10	134
38	21.43	1,2,3,5-TETRAMETHYLBENZENE	238.94	5.83	1.06	10.63	10	134
39	21.91	2,3-DIHYDRO-2-METHYLINDENE	189.24	4.62	0.85	8.55	10	132
40	22.00	1,3-DIETHYL-5-METHYLBENZENE	29.61	0.72	0.12	1.31	11	148
41	22.10	C5-BENZENE+METHYLINDENE	35.44	0.86	0.14	1.57	11	148
42	22.20	2,3-DIHYDRO-1-METHYLINDENE	99.88	2.44	0.45	4.51	10	132
43	22.30	C5- + C4-BENZENE	110.58	2.70	0.45	4.90	11	148
44	22.44	C5-BENZENE	55.64	1.36	0.22	2.47	11	148
45	22.58	DIETHYLMETHYLBENZENE	33.61	0.82	0.14	1.49	11	148
46	22.76	DIETHYLMETHYLBENZENE	16.70	0.41	0.07	0.74	11	148
47	22.92	C5-BENZENE	50.40	1.23	0.20	2.23	11	148
48	23.10	NAPHTHALENE	555.75	13.55	2.59	25.89	10	128
49	23.27	DIMETHYLINDANE	15.19	0.37	0.06	0.68	11	146
50	23.56	DIMETHYLCUMENE	31.55	0.77	0.13	1.40	11	148
51	23.85	n-DODECANE + C5-BENZENE	62.56	1.53	0.22	2.63	12	170
52	24.28	DIPROPYLBENZENE + C13 PARAFFIN	36.28	0.88	0.13	1.60	12	162
53	24.67	2,3-DIHYDROETHYLINDENE + C6-BENZENE		0.00	0.00	0.00	11	146
54	24.95	2,3,-DIHYDRODIMETHYLINDENE	25.63	0.63	0.10	1.15	11	146
55	25.32	2,3-DIHYDRODIMETHYLINDENE	30.58	0.75	0.12	1.37	11	146
56	25.84	C6-BENZENE + C14 OLEFIN + 2,3-DIHYDRODIMETHYLINDENE	45.79	1.12	0.17	2.02	12	162
57	26.07	2-METHYLNAPHTHALENE	240.26	5.86	1.01	11.10	11	142
58	26.46	1-METHYLNAPHTHALENE + N-TRIDECANE	141.09	3.44	0.59	6.52	11	142
59	28.04	BIPHENYL	3.30	0.08	0.01	0.15	12	154
60	28.85	DIMETHYLNAPHTHALENE	5.13	0.13	0.02	0.24	12	156
61	28.94	n-TETRADECANE	15.51	0.38	0.05	0.65	14	198
62	29.17	DIMETHYLNAPHTHALENE	26.72	0.65	0.10	1.23	12	156
63	31.25	n-PENTADECANE	10.54	0.26	0.03	0.44	15	212
64	33.39	n-HEXADECANE	11.91	0.29	0.03	0.50	16	226
65	35.43	n-HEPTADECANE	19.91	0.49	0.05	0.84	17	240
66	36.91	PHENANTHRENE		0.00	0.00	0.00	14	178
67	37.37	n-OCTADECANE	12.59	0.31	0.03	0.53	18	256
		TOTAL			86.20	760.19		
		Total Aromatics			81.32	712.76		
		Total Paraffins			3.78	37.98		
		Total Olefins			0.89	7.98		
		Total from #49			2.86	33.07		

TENAX:2062716F FLOW:41.4 L

Table B13

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
1	13.36	ETHYLBENZENE	1094.40	26.43	6.10	48.78	8	106
2	13.79	m+p-XYLENE	4452.95	107.56	24.81	198.48	8	106
3	13.89	4-METHYLOCTANE	175.45	4.24	0.81	7.29	9	128
4	13.98	5-METHYL-3-HEPTANONE	33.83	0.82	0.18	1.23	7	114
5	14.12	3-METHYLOCTANE	104.81	2.53	0.48	4.35	9	128
6	14.21	STYRENE	323.49	7.81	1.84	14.70	8	104
7	14.45	o-XYLENE	1574.47	38.03	8.77	70.18	8	106
8	14.58	C9 OLEFIN	49.51	1.20	0.23	2.09	9	126
9		2-BUTOXYETHANOL		0.00	0.00	0.00	6	118
10	14.96	n-NONANE	97.79	2.36	0.45	4.06	9	128
11	15.36	ISOPROPYLBENZENE (CUMENE)	76.27	1.84	0.38	3.38	9	120
12	15.98	BENZALDEHYDE	296.61	7.16	1.65	11.57	7	106
13	16.08	DIMETHYLOCTANE	33.37	0.81	0.14	1.39	10	142
14	16.32	n-PROPYLBENZENE	283.12	6.84	1.39	12.54	9	120
15	16.65	m-ETHYLTOLUENE	1423.62	34.39	7.01	63.06	9	120
16	16.70	p-ETHYLTOLUENE	352.47	8.51	1.73	15.61	9	120
17	16.87	1,3,5-TRIMETHYLBENZENE	621.11	15.00	3.06	27.51	9	120
18	16.98	PHENOL + C11 PARAFFIN	49.13	1.19	0.31	1.85	6	94
19	17.05	C10 PARAFFIN	158.87	3.84	0.66	6.61	10	142
20	17.15	o-ETHYLTOLUENE	577.79	13.96	2.84	25.59	9	120
21	17.25	C10 PARAFFIN	37.64	0.91	0.16	1.57	10	142
22	17.72	1,2,4-TRIMETHYLBENZENE	2274.47	54.94	11.19	100.74	9	120
23	18.14	n-DECANE+secBUTYLBENZENE	128.21	3.10	0.53	5.33	10	142
24	18.47	1,2,3-TRIMETHYLBENZENE + C4-BENZENE	452.31	10.93	2.23	20.03	9	120
25	18.66	C4-BENZENE	350.12	8.46	1.54	15.43	10	134
26	18.81	PROPENYLBENZENE	402.60	9.72	2.01	18.13	9	118
27	18.99	INDENE	158.60	3.83	0.81	7.27	9	116
28	19.41	C4-BENZENE + m-METHYLBENZALDEHYDE	548.20	13.24	2.42	24.16	10	134
29	19.49	DIETHYLBENZENE	194.20	4.69	0.86	8.56	10	134
30	19.61	2-ETHYL-1,4-DIMETHYLBENZENE	327.50	7.91	1.44	14.43	10	134
31	19.84	p-METHYLBENZALDEHYDE + C11 OLEFIN	197.96	4.78	0.97	7.79	8	120
32	19.97	o-PROPYLTOLUENE	66.03	1.59	0.29	2.91	10	134
33	20.23	ETHYLDIMETHYLBENZENE	342.47	8.27	1.51	15.09	10	134

Table B13 (Cont.)

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TENAX:2062716F

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
34	20.41	TETRAMETHYLBENZENE	435.31	10.51	1.92	19.19	10	134
35	20.94	ETHYLDIMETHYLBENZENE	112.10	2.71	0.49	4.94	10	134
36	21.12	n-UNDECANE	39.48	0.95	0.15	1.64	11	156
37	21.33	1,2,4,5-TETRAMETHYLBENZENE	193.34	4.67	0.85	8.52	10	134
38	21.44	1,2,3,5-TETRAMETHYLBENZENE	278.74	6.73	1.23	12.28	10	134
39	21.92	2,3-DIHYDRO-2-METHYLINDENE	176.05	4.25	0.79	7.88	10	132
40	22.01	1,3-DIETHYL-5-METHYLBENZENE	34.13	0.82	0.14	1.50	11	148
41	22.10	C5-BENZENE+METHYLINDENE	17.89	0.43	0.07	0.79	11	148
42	22.21	2,3-DIHYDRO-1-METHYLINDENE	73.08	1.77	0.33	3.27	10	132
43	22.30	C5- + C4-BENZENE	129.56	3.13	0.52	5.69	11	148
44	22.46	C5-BENZENE	48.59	1.17	0.19	2.13	11	148
45	22.59	DIETHYLMETHYLBENZENE	26.71	0.65	0.11	1.17	11	148
46	22.78	DIETHYLMETHYLBENZENE	14.58	0.35	0.06	0.64	11	148
47	22.94	C5-BENZENE	47.23	1.14	0.19	2.07	11	148
48	23.12	NAPHTHALENE	618.85	14.95	2.86	28.55	10	128
49	23.28	DIMETHYLINDANE	22.43	0.54	0.09	1.00	11	146
50	23.56	DIMETHYLCUMENE	43.37	1.05	0.17	1.90	11	148
51	23.85	n-DODECANE + C5-BENZENE	112.08	2.71	0.39	4.67	12	170
52	24.28	DIPROPYLBENZENE + C13 PARAFFIN	56.48	1.36	0.21	2.47	12	162
53	24.67	2,3-DIHYDROETHYLINDENE + C6-BENZENE	11.74	0.28	0.05	0.52	11	146
54	24.95	2,3,-DIHYDRODIMETHYLINDENE	79.32	1.92	0.32	3.53	11	146
55	25.33	2,3-DIHYDRODIMETHYLINDENE	39.26	0.95	0.16	1.75	11	146
56	25.85	C6-BENZENE + C14 OLEFIN + 2,3-DIHYDRODIMETHYLINDENE	67.75	1.64	0.25	2.96	12	162
57	26.08	2-METHYLNAPHTHALENE	303.09	7.32	1.26	13.87	11	142
58	26.47	1-METHYLNAPHTHALENE + N-TRIDECANE	171.79	4.15	0.71	7.86	11	142
59	28.05	BIPHENYL	6.5	0.16	0.02	0.30	12	154
60	28.86	DIMETHYLNAPHTHALENE	9.95	0.24	0.04	0.45	12	156
61	28.95	n-TETRADECANE	16.74	0.40	0.05	0.70	14	198
62	29.18	DIMETHYLNAPHTHALENE	24.17	0.58	0.09	1.10	12	156
63	31.25	n-PENTADECANE	16.61	0.40	0.05	0.69	15	212
64	33.40	n-HEXADECANE	31.55	0.76	0.08	1.32	16	226
65	35.43	n-HEPTADECANE	22.63	0.55	0.06	0.95	17	240
66	36.91	PHENANTHRENE	11.34	0.27	0.04	0.53	14	178
67	37.36	n-OCTADECANE	17.58	0.42	0.04	0.73	18	256
		TOTAL			102.76	909.27		
		Total Aromatics			98.84	869.99		
		Total Paraffins			3.51	35.97		
		Total Olefins			0.23	2.09		
		Total from #49			4.07	47.30		

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
1	13.35	ETHYLBENZENE	1138.31	26.85	6.19	49.54	8	106
2	13.78	m+p-XYLENE	4540.71	107.09	24.70	197.61	8	106
3	13.89	4-METHYLOCTANE	185.16	4.37	0.83	7.51	9	128
4	13.98	5-METHYL-3-HEPTANONE		0.00	0.00	0.00	7	114
5	14.12	3-METHYLOCTANE	24.27	0.57	0.11	0.98	9	128
6	14.21	STYRENE	438.06	10.33	2.43	19.43	8	104
7	14.45	o-XYLENE	1595.06	37.62	8.68	69.42	8	106
8	14.58	C9 OLEFIN	53.41	1.26	0.24	2.20	9	126
9		2-BUTOXYETHANOL		0.00	0.00	0.00	6	118
10	14.96	n-NONANE	102.53	2.42	0.46	4.16	9	128
11	15.36	ISOPROPYLBENZENE (CUMENE)	77.94	1.84	0.37	3.37	9	120
12	15.98	BENZALDEHYDE	300.65	7.09	1.64	11.45	7	106
13	16.09	DIMETHYLOCTANE	33.31	0.79	0.14	1.35	10	142
14	16.32	n-PROPYLBENZENE	286.37	6.75	1.38	12.38	9	120
15	16.65	m-ETHYLTOLUENE	1424.95	33.61	6.85	61.63	9	120
16	16.70	p-ETHYLTOLUENE	351.84	8.30	1.69	15.22	9	120
17	16.87	1,3,5-TRIMETHYLBENZENE	612.96	14.46	2.95	26.51	9	120
18	16.98	PHENOL + C11 PARAFFIN	50.18	1.18	0.31	1.85	6	94
19	17.05	C10 PARAFFIN	193.79	4.57	0.79	7.87	10	142
20	17.16	o-ETHYLTOLUENE	541.65	12.77	2.60	23.43	9	120
21	17.26	C10 PARAFFIN	29.97	0.71	0.12	1.22	10	142
22	17.72	1,2,4-TRIMETHYLBENZENE	2270.32	53.55	10.91	98.19	9	120
23	18.14	n-DECANE+secBUTYLBENZENE	121.55	2.87	0.49	4.94	10	142
24	18.47	1,2,3-TRIMETHYLBENZENE + C4-BENZENE	449.83	10.61	2.16	19.45	9	120
25	18.66	C4-BENZENE	386.79	9.12	1.66	16.64	10	134
26	18.82	PROPENYLBENZENE	ART	0.00	0.00	0.00	9	118
27	18.99	INDENE	111.95	2.64	0.56	5.01	9	116
28	19.42	C4-BENZENE + m-METHYLBENZALDEHYDE	422.44	9.96	1.82	18.18	10	134
29	19.49	DIETHYLBENZENE	155.72	3.67	0.67	6.70	10	134
30	19.61	2-ETHYL-1,4-DIMETHYLBENZENE	290.98	6.86	1.25	12.52	10	134
31	19.81	p-METHYLBENZALDEHYDE + C11 OLEFIN	179.48	4.23	0.86	6.90	8	120
32	19.98	o-PROPYLTOLUENE	ART	0.00	0.00	0.00	10	134
33	20.23	ETHYLDIMETHYLBENZENE	193.10	4.55	0.83	8.31	10	134

Table B14 (Cont.)

Caldecott Tunnel -- Tenax Data -- 6/27/91 -- 1600-1800 -- page 2

TENAX:3162716

	RT	COMPOUND		C(μg/m3)	Cppb	CppbC	N	MW
34	20.42	TETRAMETHYLBENZENE	445.31	10.50	1.92	19.16	10	134
35	20.95	ETHYLDIMETHYLBENZENE	145.91	3.44	0.63	6.28	10	134
36	21.13	n-UNDECANE	1.69	0.04	0.01	0.07	11	156
37	21.33	1,2,4,5-TETRAMETHYLBENZENE	195.02	4.60	0.84	8.39	10	134
38	21.44	1,2,3,5-TETRAMETHYLBENZENE	230.20	5.43	0.99	9.91	10	134
39	21.92	2,3-DIHYDRO-2-METHYLINDENE	156.23	3.68	0.68	6.82	10	132
40	22.01	1,3-DIETHYL-5-METHYLBENZENE	34.28	0.81	0.13	1.47	11	148
41	22.11	C5-BENZENE+METHYLINDENE	14.51	0.34	0.06	0.62	11	148
42	22.21	2,3-DIHYDRO-1-METHYLINDENE	68.34	1.61	0.30	2.99	10	132
43	22.30	C5- + C4-BENZENE	133.04	3.14	0.52	5.70	11	148
44	22.46	C5-BENZENE	46.71	1.10	0.18	2.00	11	148
45	22.59	DIETHYLMETHYLBENZENE	26.64	0.63	0.10	1.14	11	148
46	22.78	DIETHYLMETHYLBENZENE	15.23	0.36	0.06	0.65	11	148
47	22.94	C5-BENZENE	38.56	0.91	0.15	1.65	11	148
48	23.12	NAPHTHALENE	681.74	16.08	3.07	30.71	10	128
49	23.28	DIMETHYLINDANE	22.95	0.54	0.09	1.00	11	146
50	23.56	DIMETHYLCUMENE	48.60	1.15	0.19	2.08	11	148
51	23.85	n-DODECANE + C5-BENZENE	70.21	1.66	0.24	2.86	12	170
52	24.28	DIPROPYLBENZENE + C13 PARAFFIN	58.01	1.37	0.21	2.48	12	162
53	24.67	2,3-DIHYDROETHYLINDENE + C6-BENZENE	12.62	0.30	0.05	0.55	11	146
54	24.95	2,3,-DIHYDRODIMETHYLINDENE	79.20	1.87	0.31	3.44	11	146
55	25.33	2,3-DIHYDRODIMETHYLINDENE	24.73	0.58	0.10	1.07	11	146
56	25.85	C6-BENZENE + C14 OLEFIN + 2,3-DIHYDRODIMETHYLINDENE	70.67	1.67	0.25	3.02	12	162
57	26.08	2-METHYLNAPHTHALENE	300.55	7.09	1.22	13.43	11	142
58	26.47	1-METHYLNAPHTHALENE + N-TRIDECANE	169.91	4.01	0.69	7.59	11	142
59	28.05	BIPHENYL	1.2	0.03	0.00	0.05	12	154
60	28.87	DIMETHYLNAPHTHALENE	33.03	0.78	0.12	1.47	12	156
61	28.95	n-TETRADECANE	16.67	0.39	0.05	0.68	14	198
62	29.18	DIMETHYLNAPHTHALENE	23.38	0.55	0.09	1.04	12	156
63	31.26	n-PENTADECANE	70.00	1.65	0.19	2.86	15	212
64	33.40	n-HEXADECANE	15.97	0.38	0.04	0.65	16	226
65	35.43	n-HEPTADECANE	26.57	0.63	0.06	1.09	17	240
66	36.91	PHENANTHRENE	10.85	0.26	0.04	0.49	14	178
67	37.37	n-OCTADECANE	9.98	0.24	0.02	0.40	18	256
		TOTAL			97.29	857.78		
		Total Aromatics			93.99	823.89		
		Total Paraffins			3.06	31.69		
		Total Olefins			0.24	2.20		
		Total from #49			3.96	46.24		

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
1	13.33	ETHYLBENZENE	481.16	11.48	2.65	21.19	8	106
2	13.69	m+p-XYLENE	1848.33	44.11	10.18	81.40	8	106
3	13.85	4-METHYLOCTANE	124.50	2.97	0.57	5.11	9	128
4	13.98	5-METHYL-3-HEPTANONE		0.00	0.00	0.00	7	114
5	14.08	3-METHYLOCTANE	59.13	1.41	0.27	2.43	9	128
6	14.16	STYRENE	158.68	3.79	0.89	7.12	8	104
7	14.37	o-XYLENE	673.07	16.06	3.71	29.64	8	106
8	14.47	C9 OLEFIN	13.31	0.32	0.06	0.55	9	126
9	14.74	2-BUTOXYETHANOL	577.05	13.77	2.85	17.12	6	118
10	14.95	n-NONANE	56.48	1.35	0.26	2.32	9	128
11	15.34	ISOPROPYLBENZENE (CUMENE)	35.97	0.86	0.17	1.57	9	120
12	15.93	BENZALDEHYDE	126.09	3.01	0.69	4.86	7	106
13	16.07	DIMETHYLOCTANE	16.63	0.40	0.07	0.68	10	142
14	16.29	n-PROPYLBENZENE	128.59	3.07	0.63	5.63	9	120
15	16.57	m-ETHYLTOLUENE	530.34	12.66	2.58	23.21	9	120
16	16.63	p-ETHYLTOLUENE	183.59	4.38	0.89	8.03	9	120
17	16.80	1,3,5-TRIMETHYLBENZENE	249.69	5.96	1.21	10.93	9	120
18	16.93	PHENOL + C11 PARAFFIN	100.21	2.39	0.62	3.73	6	94
19	17.00	C10 PARAFFIN	72.23	1.72	0.30	2.97	10	142
20	17.10	o-ETHYLTOLUENE	190.31	4.54	0.93	8.33	9	120
21	17.22	C10 PARAFFIN	23.31	0.56	0.10	0.96	10	142
22	17.63	1,2,4-TRIMETHYLBENZENE	967.46	23.09	4.70	42.34	9	120
23	18.09	n-DECANE+secBUTYLBENZENE	106.43	2.54	0.44	4.37	10	142
24	18.41	1,2,3-TRIMETHYLBENZENE + C4-BENZENE	196.67	4.69	0.96	8.61	9	120
25	18.76	C4-BENZENE	101.88	2.43	0.44	4.44	10	134
26	18.82	PROPENYLBENZENE	109.61	2.62	0.54	4.88	9	118
27	18.95	INDENE	89.30	2.13	0.45	4.04	9	116
28	19.36	C4-BENZENE + m-METHYLBENZALDEHYDE	267.71	6.39	1.17	11.66	10	134
29	19.46	DIETHYLBENZENE	88.78	2.12	0.39	3.87	10	134
30	19.54	2-ETHYL-1,4-DIMETHYLBENZENE	121.25	2.89	0.53	5.28	10	134
31	19.78	p-METHYLBENZALDEHYDE + C11 OLEFIN	57.62	1.38	0.28	2.24	8	120
32	19.92	o-PROPYLTOLUENE	98.82	2.36	0.43	4.30	10	134
33	20.16	ETHYLDIMETHYLBENZENE	305.49	7.29	1.33	13.30	10	134

Table B15 (Cont.)

TENAX:4062806F

Caldecott Tunnel -- Tenax Data -- 6/28/91 -- 0600-0800 -- page 2

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
34	20.34	TETRAMETHYLBENZENE	152.59	3.64	0.66	6.64	10	134
35	20.90	ETHYLDIMETHYLBENZENE	60.73	1.45	0.26	2.64	10	134
36	21.07	n-UNDECANE	55.81	1.33	0.21	2.30	11	156
37	21.27	1,2,4,5-TETRAMETHYLBENZENE	89.82	2.14	0.39	3.91	10	134
38	21.38	1,2,3,5-TETRAMETHYLBENZENE	119.42	2.85	0.52	5.20	10	134
39	21.87	2,3-DIHYDRO-2-METHYLINDENE	93.70	2.24	0.41	4.14	10	132
40	21.95	1,3-DIETHYL-5-METHYLBENZENE	21.02	0.50	0.08	0.91	11	148
41	22.08	C5-BENZENE+METHYLINDENE	14.46	0.35	0.06	0.63	11	148
42	22.16	2,3-DIHYDRO-1-METHYLINDENE	42.92	1.02	0.19	1.90	10	132
43	22.26	C5- + C4-BENZENE	61.09	1.46	0.24	2.65	11	148
44	22.38	C5-BENZENE	18.13	0.43	0.07	0.79	11	148
45	22.55	DIETHYLMETHYLBENZENE	30.10	0.72	0.12	1.31	11	148
46	22.71	DIETHYLMETHYLBENZENE	40.50	0.97	0.16	1.76	11	148
47	22.87	C5-BENZENE	30.93	0.74	0.12	1.34	11	148
48	23.04	NAPHTHALENE	206.72	4.93	0.94	9.42	10	128
49	23.16	DIMETHYLINDANE	13.84	0.33	0.06	0.61	11	146
50	23.52	DIMETHYLCUMENE	20.23	0.48	0.08	0.88	11	148
51	23.82	n-DODECANE + C5-BENZENE	32.34	0.77	0.11	1.33	12	170
52	23.99	DIPROPYLBENZENE + C13 PARAFFIN	14.26	0.34	0.05	0.62	12	162
53	24.26	2,3-DIHYDROETHYLINDENE + C6-BENZENE	44.30	1.06	0.18	1.95	11	146
54	24.92	2,3,-DIHYDRODIMETHYLINDENE	23.28	0.56	0.09	1.02	11	146
55	25.30	2,3-DIHYDRODIMETHYLINDENE	19.56	0.47	0.08	0.86	11	146
56	25.65	C6-BENZENE + C14 OLEFIN + 2,3-DIHYDRODIMETHYLINDENE	15.91	0.38	0.06	0.69	12	162
57	26.02	2-METHYLNAPHTHALENE	119.59	2.85	0.49	5.41	11	142
58	26.43	1-METHYLNAPHTHALENE + N-TRIDECANE	75.65	1.81	0.31	3.42	11	142
59		BIPHENYL		0.00	0.00	0.00	12	154
60	28.84	DIMETHYLNAPHTHALENE	22.18	0.53	0.08	1.00	12	156
61	28.93	n-TETRADECANE	11.14	0.27	0.03	0.46	14	198
62	29.15	DIMETHYLNAPHTHALENE	22.54	0.54	0.08	1.01	12	156
63	31.25	n-PENTADECANE	6.51	0.16	0.02	0.27	15	212
64	33.39	n-HEXADECANE	7.14	0.17	0.02	0.29	16	226
65	35.43	n-HEPTADECANE	13.31	0.32	0.03	0.55	17	240
66	36.91	PHENANTHRENE		0.00	0.00	0.00	14	178
67	37.23	n-OCTADECANE	12.68	0.30	0.03	0.52	18	256
		TOTAL			47.52	413.54		
		Total Aromatics			42.60	375.68		
		Total Paraffins			2.01	20.18		
		Total Olefins			0.06	0.55		
		Total from #49			1.80	20.88		

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
1	13.32	ETHYLBENZENE	481.80	11.64	2.68	21.47	8	106
2	13.69	m+p-XYLENE	1838.64	44.41	10.24	81.95	8	106
3	13.85	4-METHYLOCTANE	121.17	2.93	0.56	5.03	9	128
4	13.98	5-METHYL-3-HEPTANONE		0.00	0.00	0.00	7	114
5	14.10	3-METHYLOCTANE	48.27	1.17	0.22	2.00	9	128
6	14.17	STYRENE	165.00	3.99	0.94	7.50	8	104
7	14.37	o-XYLENE	672.61	16.25	3.75	29.98	8	106
8		C9 OLEFIN		0.00	0.00	0.00	9	126
9	14.76	2-BUTOXYETHANOL	567.90	13.72	2.84	17.05	6	118
10	14.95	n-NONANE	50.07	1.21	0.23	2.08	9	128
11	15.35	ISOPROPYLBENZENE (CUMENE)	34.71	0.84	0.17	1.54	9	120
12	15.95	BENZALDEHYDE	169.26	4.09	0.94	6.60	7	106
13	16.15	DIMETHYLOCTANE	98.57	2.38	0.41	4.10	10	142
14	16.30	n-PROPYLBENZENE	134.89	3.26	0.66	5.97	9	120
15	16.59	m-ETHYLTOLUENE	548.89	13.26	2.70	24.31	9	120
16	16.64	p-ETHYLTOLUENE	182.10	4.40	0.90	8.07	9	120
17	16.81	1,3,5-TRIMETHYLBENZENE	253.18	6.12	1.25	11.21	9	120
18	16.96	PHENOL + C11 PARAFFIN	97.25	2.35	0.61	3.67	6	94
19	17.01	C10 PARAFFIN	80.12	1.94	0.33	3.33	10	142
20	17.11	o-ETHYLTOLUENE	194.84	4.71	0.96	8.63	9	120
21	17.29	C10 PARAFFIN	64.53	1.56	0.27	2.68	10	142
22	17.64	1,2,4-TRIMETHYLBENZENE	958.11	23.14	4.72	42.44	9	120
23	18.11	n-DECANE+secBUTYLBENZENE	126.63	3.06	0.53	5.27	10	142
24	18.43	1,2,3-TRIMETHYLBENZENE + C4-BENZENE	190.73	4.61	0.94	8.45	9	120
25	18.71	C4-BENZENE	504.86	12.19	2.23	22.25	10	134
26	18.77	PROPENYLBENZENE	105.28	2.54	0.53	4.74	9	118
27	18.97	INDENE	109.93	2.66	0.56	5.04	9	116
28	19.37	C4-BENZENE + m-METHYLBENZALDEHYDE	314.04	7.59	1.38	13.84	10	134
29	19.47	DIETHYLBENZENE	103.71	2.51	0.46	4.57	10	134
30	19.55	2-ETHYL-1,4-DIMETHYLBENZENE	128.89	3.11	0.57	5.68	10	134
31	19.76	p-METHYLBENZALDEHYDE + C11 OLEFIN	45.14	1.09	0.22	1.78	8	120
32	19.93	o-PROPYLTOLUENE	141.10	3.41	0.62	6.22	10	134
33	20.17	ETHYLDIMETHYLBENZENE	311.58	7.53	1.37	13.73	10	134

Table B16 (Cont.)

Caldecott Tunnel -- Tenax Data -- 6/28/91 -- 0600-0800 -- page 2

TENAX:1162806F

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
34	20.35	TETRAMETHYLBENZENE	169.23	4.09	0.75	7.46	10	134
35	20.91	ETHYLDIMETHYLBENZENE	70.82	1.71	0.31	3.12	10	134
36	21.08	n-UNDECANE	77.06	1.86	0.29	3.21	11	156
37	21.28	1,2,4,5-TETRAMETHYLBENZENE	59.52	1.44	0.26	2.62	10	134
38	21.39	1,2,3,5-TETRAMETHYLBENZENE	106.22	2.57	0.47	4.68	10	134
39	21.88	2,3-DIHYDRO-2-METHYLINDENE	105.86	2.56	0.47	4.74	10	132
40	21.96	1,3-DIETHYL-5-METHYLBENZENE	5.13	0.12	0.02	0.23	11	148
41	22.09	C5-BENZENE+METHYLINDENE	15.79	0.38	0.06	0.69	11	148
42	22.17	2,3-DIHYDRO-1-METHYLINDENE	50.30	1.21	0.23	2.25	10	132
43	22.27	C5- + C4-BENZENE	59.05	1.43	0.24	2.59	11	148
44	22.39	C5-BENZENE	13.91	0.34	0.06	0.61	11	148
45	22.55	DIETHYLMETHYLBENZENE	38.42	0.93	0.15	1.69	11	148
46	22.71	DIETHYLMETHYLBENZENE	17.79	0.43	0.07	0.78	11	148
47	22.88	C5-BENZENE	41.69	1.01	0.17	1.83	11	148
48	23.04	NAPHTHALENE	207.30	5.01	0.96	9.56	10	128
49	23.24	DIMETHYLINDANE	15.46	0.37	0.06	0.69	11	146
50	23.53	DIMETHYLCUMENE	20.24	0.49	0.08	0.89	11	148
51	23.83	n-DODECANE + C5-BENZENE	47.55	1.15	0.17	1.98	12	170
52	24.26	DIPROPYLBENZENE + C13 PARAFFIN	40.76	0.98	0.15	1.78	12	162
53	24.67	2,3-DIHYDROETHYLINDENE + C6-BENZENE		0.00	0.00	0.00	11	146
54	24.93	2,3,-DIHYDRODIMETHYLINDENE	40.00	0.97	0.16	1.78	11	146
55	25.31	2,3-DIHYDRODIMETHYLINDENE	12.05	0.29	0.05	0.54	11	146
56	25.82	C6-BENZENE + C14 OLEFIN + 2,3-DIHYDRODIMETHYLINDENE	24.30	0.59	0.09	1.06	12	162
57	26.03	2-METHYLNAPHTHALENE	111.85	2.70	0.47	5.12	11	142
58	26.44	1-METHYLNAPHTHALENE + N-TRIDECANE	74.40	1.80	0.31	3.40	11	142
59		BIPHENYL		0.00	0.00	0.00	12	154
60	28.84	DIMETHYLNAPHTHALENE	37.20	0.90	0.14	1.69	12	156
61	28.94	n-TETRADECANE	12.47	0.30	0.04	0.52	14	198
62	29.16	DIMETHYLNAPHTHALENE	11.11	0.27	0.04	0.50	12	156
63	31.26	n-PENTADECANE	33.47	0.81	0.09	1.40	15	212
64	33.40	n-HEXADECANE	21.84	0.53	0.06	0.91	16	226
65	35.42	n-HEPTADECANE	14.65	0.35	0.04	0.61	17	240
66	36.91	PHENANTHRENE		0.00	0.00	0.00	14	178
67	37.36	n-OCTADECANE	10.68	0.26	0.02	0.44	18	256
		TOTAL			51.25	450.58		
		Total Aromatics			45.68	405.21		
		Total Paraffins			2.73	28.31		
		Total Olefins			0.00	0.00		
		Total from #49			1.96	23.33		

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
1	13.35	ETHYLBENZENE	622.48	15.00	3.46	27.68	8	106
2	13.73	m+p-XYLENE	2436.77	58.72	13.54	108.35	8	106
3	13.87	4-METHYLOCTANE	143.40	3.46	0.66	5.94	9	128
4	13.93	5-METHYL-3-HEPTANONE		0.00	0.00	0.00	7	114
5	14.10	3-METHYLOCTANE		0.00	0.00	0.00	9	128
6	14.18	STYRENE	262.11	6.32	1.48	11.88	8	104
7	14.40	o-XYLENE	874.70	21.08	4.86	38.89	8	106
8	14.50	C9 OLEFIN	12.03	0.29	0.06	0.51	9	126
9	14.73	2-BUTOXYETHANOL	436.40	10.52	2.18	13.07	6	118
10	14.96	n-NONANE	63.03	1.52	0.29	2.61	9	128
11	15.36	ISOPROPYLBENZENE (CUMENE)	47.79	1.15	0.23	2.11	9	120
12	15.96	BENZALDEHYDE	176.52	4.25	0.98	6.87	7	106
13	16.18	DIMETHYLOCTANE	266.01	6.41	1.10	11.04	10	142
14	16.31	n-PROPYLBENZENE	170.18	4.10	0.84	7.52	9	120
15	16.60	m-ETHYLTOLUENE	758.72	18.28	3.73	33.53	9	120
16	16.66	p-ETHYLTOLUENE	219.39	5.29	1.08	9.69	9	120
17	16.83	1,3,5-TRIMETHYLBENZENE	332.48	8.01	1.63	14.69	9	120
18	16.96	PHENOL + C11 PARAFFIN	35.89	0.86	0.22	1.35	6	94
19	17.02	C10 PARAFFIN	200.16	4.82	0.83	8.30	10	142
20	17.12	o-ETHYLTOLUENE	255.33	6.15	1.25	11.28	9	120
21	17.41	C10 PARAFFIN	44.46	1.07	0.18	1.84	10	142
22	17.66	1,2,4-TRIMETHYLBENZENE	1265.98	30.51	6.22	55.94	9	120
23	18.11	n-DECANE+secBUTYLBENZENE	87.72	2.11	0.36	3.64	10	142
24	18.44	1,2,3-TRIMETHYLBENZENE + C4-BENZENE	252.79	6.09	1.24	11.17	9	120
25	18.79	C4-BENZENE	ART	0.00	0.00	0.00	10	134
26	19.00	PROPENYLBENZENE	82.05	1.98	0.41	3.69	9	118
27	19.26	INDENE	28.65	0.69	0.15	1.31	9	116
28	19.40	C4-BENZENE + m-METHYLBENZALDEHYDE	295.41	7.12	1.30	12.99	10	134
29	19.46	DIETHYLBENZENE	43.48	1.05	0.19	1.91	10	134
30	19.59	2-ETHYL-1,4-DIMETHYLBENZENE	158.92	3.83	0.70	6.99	10	134
31	19.82	p-METHYLBENZALDEHYDE + C11 OLEFIN	142.33	3.43	0.70	5.59	8	120
32	20.02	o-PROPYLTOLUENE	149.10	3.59	0.66	6.56	10	134
33	20.21	ETHYLDIMETHYLBENZENE	130.55	3.15	0.57	5.74	10	134

Table B17 (Cont.)

Caldecott Tunnel -- Tenax Data -- 6/28/91 -- 1000-1200 -- page 2

TENAX:2062810F

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
34	20.39	TETRAMETHYLBENZENE	193.69	4.67	0.85	8.52	10	134
35	20.93	ETHYLDIMETHYLBENZENE	94.50	2.28	0.42	4.15	10	134
36	21.11	n-UNDECANE	35.70	0.86	0.13	1.48	11	156
37	21.32	1,2,4,5-TETRAMETHYLBENZENE	53.17	1.28	0.23	2.34	10	134
38	21.43	1,2,3,5-TETRAMETHYLBENZENE	156.18	3.76	0.69	6.87	10	134
39	21.91	2,3-DIHYDRO-2-METHYLINDENE	172.75	4.16	0.77	7.71	10	132
40	22.19	1,3-DIETHYL-5-METHYLBENZENE	47.84	1.15	0.19	2.09	11	148
41	22.30	C5-BENZENE+METHYLINDENE	65.56	1.58	0.26	2.87	11	148
42	22.43	2,3-DIHYDRO-1-METHYLINDENE	22.66	0.55	0.10	1.01	10	132
43	22.57	C5- + C4-BENZENE	45.94	1.11	0.18	2.01	11	148
44	22.73	C5-BENZENE		0.00	0.00	0.00	11	148
45	22.80	DIETHYLMETHYLBENZENE	11.28	0.27	0.04	0.49	11	148
46	22.90	DIETHYLMETHYLBENZENE	20.18	0.49	0.08	0.88	11	148
47		C5-BENZENE		0.00	0.00	0.00	11	148
48	23.08	NAPHTHALENE	230.72	5.56	1.06	10.62	10	128
49	23.19	DIMETHYLINDANE	2.67	0.06	0.01	0.12	11	146
50		DIMETHYLCUMENE		0.00	0.00	0.00	11	148
51	23.85	n-DODECANE + C5-BENZENE	36.12	0.87	0.13	1.50	12	170
52	24.28	DIPROPYLBENZENE + C13 PARAFFIN	49.78	1.20	0.18	2.17	12	162
53	24.95	2,3-DIHYDROETHYLINDENE + C6-BENZENE	21.05	0.51	0.08	0.93	11	146
54	25.33	2,3,-DIHYDRODIMETHYLINDENE	3.06	0.07	0.01	0.14	11	146
55	25.85	2,3-DIHYDRODIMETHYLINDENE	8.09	0.19	0.03	0.36	11	146
56		C6-BENZENE + C14 OLEFIN + 2,3-DIHYDRODIMETHYLINDENE		0.00	0.00	0.00	12	162
57	26.05	2-METHYLNAPHTHALENE	153.16	3.69	0.64	6.99	11	142
58	26.46	1-METHYLNAPHTHALENE + N-TRIDECANE	102.60	2.47	0.43	4.68	11	142
59		BIPHENYL		0.00	0.00	0.00	12	154
60	28.87	DIMETHYLNAPHTHALENE	20.74	0.50	0.08	0.94	12	156
61	28.96	n-TETRADECANE	4.18	0.10	0.01	0.17	14	198
62	29.18	DIMETHYLNAPHTHALENE	15.96	0.38	0.06	0.72	12	156
63	31.27	n-PENTADECANE	0.88	0.02	0.00	0.04	15	212
64	33.41	n-HEXADECANE	7.62	0.18	0.02	0.32	16	226
65	35.44	n-HEPTADECANE	18.64	0.45	0.05	0.78	17	240
66	36.92	PHENANTHRENE	4.60	0.11	0.02	0.21	14	178
67	37.37	n-OCTADECANE	15.42	0.37	0.04	0.64	18	256
		TOTAL			57.90	504.45		
		Total Aromatics			52.22	456.20		
		Total Paraffins			3.44	34.67		
		Total Olefins			0.06	0.51		
		Total from #49			1.78	20.72		

Caldecot el -- Tenax Data -- 6/28/91 -- 1000-1200 -- page 1 TENAX:1162810F FLOW:41.5 L Table B18

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
1	13.35	ETHYLBENZENE	621.07	14.97	3.45	27.62	8	106
2	13.73	m+p-XYLENE	2414.13	58.17	13.42	107.34	8	106
3	13.87	4-METHYLOCTANE	129.87	3.13	0.60	5.38	9	128
4	13.93	5-METHYL-3-HEPTANONE	28.73	0.69	0.15	1.04	7	114
5	14.10	3-METHYLOCTANE	76.57	1.85	0.35	3.17	9	128
6	14.18	STYRENE	208.92	5.03	1.18	9.47	8	104
7	14.40	o-XYLENE	870.68	20.98	4.84	38.71	8	106
8	14.50	C9 OLEFIN	15.63	0.38	0.07	0.66	9	126
9	14.73	2-BUTOXYETHANOL	461.26	11.11	2.30	13.82	6	118
10	14.96	n-NONANE	78.72	1.90	0.36	3.26	9	128
11	15.36	ISOPROPYLBENZENE (CUMENE)	54.41	1.31	0.27	2.40	9	120
12	15.96	BENZALDEHYDE	206.27	4.97	1.15	8.03	7	106
13	16.18	DIMETHYLOCTANE	0.50	0.01	0.00	0.02	10	142
14	16.31	n-PROPYLBENZENE	173.27	4.18	0.85	7.66	9	120
15	16.60	m-ETHYLTOLUENE	737.05	17.76	3.62	32.57	9	120
16	16.66	p-ETHYLTOLUENE	230.00	5.54	1.13	10.16	9	120
17	16.83	1,3,5-TRIMETHYLBENZENE	335.07	8.07	1.65	14.81	9	120
18	16.96	PHENOL + C11 PARAFFIN	34.19	0.82	0.21	1.29	6	94
19	17.02	C10 PARAFFIN	65.55	1.58	0.27	2.72	10	142
20	17.12	o-ETHYLTOLUENE	273.23	6.58	1.34	12.07	9	120
21	17.41	C10 PARAFFIN	47.88	1.15	0.20	1.99	10	142
22	17.66	1,2,4-TRIMETHYLBENZENE	1308.37	31.53	6.42	57.81	9	120
23	18.11	n-DECANE+secBUTYLBENZENE	91.33	2.20	0.38	3.79	10	142
24	18.44	1,2,3-TRIMETHYLBENZENE + C4-BENZENE	252.90	6.09	1.24	11.17	9	120
25	18.79	C4-BENZENE	259.16	6.24	1.14	11.39	10	134
26	19.00	PROPENYLBENZENE	50.47	1.22	0.25	2.27	9	118
27	19.26	INDENE	ART	0.00	0.00	0.00	9	116
28	19.40	C4-BENZENE + m-METHYLBENZALDEHYDE	268.96	6.48	1.18	11.83	10	134
29	19.46	DIETHYLBENZENE	38.84	0.94	0.17	1.71	10	134
30	19.58	2-ETHYL-1,4-DIMETHYLBENZENE	160.71	3.87	0.71	7.07	10	134
31	19.81	p-METHYLBENZALDEHYDE + C11 OLEFIN	93.06	2.24	0.46	3.66	8	120
32	20.01	o-PROPYLTOLUENE	ART	0.00	0.00	0.00	10	134
33	20.21	ETHYLDIMETHYLBENZENE	63.58	1.53	0.28	2.80	10	134

Table B18 (Cont.)

Caldecott Tunnel -- Tenax Data -- 6/28/91 -- 1000-1200 -- page 2

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
34	20.39	TETRAMETHYLBENZENE	192.29	4.63	0.85	8.45	10	134
35	20.94	ETHYLDIMETHYLBENZENE	23.18	0.56	0.10	1.02	10	134
36	21.11	n-UNDECANE	43.81	1.06	0.17	1.82	11	156
37	21.31	1,2,4,5-TETRAMETHYLBENZENE	51.42	1.24	0.23	2.26	10	134
38	21.42	1,2,3,5-TETRAMETHYLBENZENE	147.80	3.56	0.65	6.50	10	134
39	21.91	2,3-DIHYDRO-2-METHYLINDENE	66.91	1.61	0.30	2.99	10	132
40	21.99	1,3-DIETHYL-5-METHYLBENZENE	24.12	0.58	0.10	1.06	11	148
41	22.19	C5-BENZENE+METHYLINDENE	81.52	1.96	0.32	3.57	11	148
42	22.29	2,3-DIHYDRO-1-METHYLINDENE	63.69	1.53	0.28	2.84	10	132
43	22.43	C5- + C4-BENZENE	26.44	0.64	0.11	1.16	11	148
44	22.56	C5-BENZENE	25.95	0.63	0.10	1.14	11	148
45	22.74	DIETHYLMETHYLBENZENE	13.51	0.33	0.05	0.59	11	148
46	22.79	DIETHYLMETHYLBENZENE	6.21	0.15	0.02	0.27	11	148
47	22.89	C5-BENZENE	36.39	0.88	0.14	1.59	11	148
48	23.08	NAPHTHALENE	230.62	5.56	1.06	10.62	10	128
49	23.19	DIMETHYLINDANE	26.25	0.63	0.11	1.17	11	146
50	23.55	DIMETHYLCUMENE	27.87	0.67	0.11	1.22	11	148
51	23.85	n-DODECANE + C5-BENZENE	45.85	1.10	0.16	1.91	12	170
52	24.28	DIPROPYLBENZENE + C13 PARAFFIN	49.84	1.20	0.18	2.18	12	162
53	24.67	2,3-DIHYDROETHYLINDENE + C6-BENZENE	11.12	0.27	0.04	0.49	11	146
54	24.95	2,3,-DIHYDRODIMETHYLINDENE	26.19	0.63	0.11	1.16	11	146
55	25.33	2,3-DIHYDRODIMETHYLINDENE	18.66	0.45	0.08	0.83	11	146
56	25.85	C6-BENZENE + C14 OLEFIN + 2,3-DIHYDRODIMETHYLINDENE	9.58	0.23	0.03	0.42	12	162
57	26.06	2-METHYLNAPHTHALENE	155.55	3.75	0.65	7.10	11	142
58	26.47	1-METHYLNAPHTHALENE + N-TRIDECANE	103.88	2.50	0.43	4.74	11	142
59		BIPHENYL		0.00	0.00	0.00	12	154
60	28.87	DIMETHYLNAPHTHALENE	2.97	0.07	0.01	0.13	12	156
61	28.96	n-TETRADECANE	14.64	0.35	0.04	0.61	14	198
62	29.18	DIMETHYLNAPHTHALENE	14.14	0.34	0.05	0.64	12	156
63	31.27	n-PENTADECANE	4.85	0.12	0.01	0.20	15	212
64	33.41	n-HEXADECANE	11.21	0.27	0.03	0.47	16	226
65	35.44	n-HEPTADECANE	16.25	0.39	0.04	0.68	17	240
66	36.91	PHENANTHRENE	7.28	0.18	0.02	0.34	14	178
67	37.37	n-OCTADECANE	6.75	0.16	0.02	0.28	18	256
		TOTAL			56.26	488.10		
		Total Aromatics			51.48	450.08		
		Total Paraffins			2.25	22.50		
		Total Olefins			0.07	0.66		

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
1	13.14	ETHYLBENZENE+AMYL ACETATE ?	385.52	9.61	2.22	17.74	8	106
2	13.23	1,3,5-TRIMETHYLCYCLOHEXANE	26.05	0.65	0.13	1.13	9	126
3	13.46	m+p-XYLENE	707.67	17.65	4.07	32.56	8	106
4	13.67	4-METHYLOCTANE	66.81	1.67	0.32	2.86	9	128
5		5-METHYL-3-HEPTANONE	0.00	0.00	0.00	0.00	7	114
6	13.90	3-METHYLOCTANE	19.85	0.50	0.09	0.85	9	128
7	13.97	STYRENE	29.52	0.74	0.17	1.38	8	104
8	14.16	o-XYLENE	262.76	6.55	1.51	12.09	8	106
9	14.42	C9-OLEFIN+C3-CYCLOHEXANE	30.43	0.76	0.15	1.33	9	126
10		2-BUTOXYETHANOL	0.00	0.00	0.00	0.00	6	118
11	14.78	n-NONANE	66.48	1.66	0.32	2.85	9	128
12	15.17	ISOPROPYLBENZENE (CUMENE)	20.36	0.51	0.10	0.93	9	120
13	15.36	2,3-DIMETHYLOCTANE	30.66	0.76	0.13	1.30	10	144
14		4-ME-3-HEPTEN-2-ONE+C10 PARAFFIN	0.00	0.00	0.00	0.00	8	126
15	15.76	BENZALDEHYDE	148.62	3.71	0.85	5.98	7	106
16	15.89	a-PINENE	37.87	0.94	0.16	1.63	10	142
17	16.11	n-PROPYLBENZENE	81.17	2.02	0.41	3.71	9	120
18	16.36	m-ETHYLTOLUENE	190.38	4.75	0.97	8.71	9	120
19	16.43	p-ETHYLTOLUENE	84.16	2.10	0.43	3.85	9	120
20	16.60	1,3,5-TRIMETHYLBENZENE	104.06	2.60	0.53	4.76	9	120
21	16.70	PHENOL	60.88	1.52	0.39	2.37	6	94
22	16.76	C10 PARAFFIN	30.42	0.76	0.13	1.31	10	142
23	16.91	o-ETHYLTOLUENE	75.93	1.89	0.39	3.47	9	120
24	17.08	MENTHOL?	100.48	2.51	0.39	3.93	10	156
25	17.20	C5-CYCLOPENTANE	36.85	0.92	0.16	1.60	10	140
26	17.41	1,2,4-TRIMETHYLBENZENE	372.04	9.28	1.89	17.01	9	120
27	17.52	C5-CYCLOPENTANE	26.09	0.65	0.11	1.14	10	140
28	17.71	P-DICHLOROBENZENE	23.59	0.59	0.10	0.59	6	146
29	17.92	n-DECANE	85.45	2.13	0.37	3.67	10	142
30	18.23	1,2,3-TRIMETHYLBENZENE	108.37	2.70	0.55	4.96	9	120
31	18.57	PROPENYLBENZENE	38.53	0.96	0.20	1.79	9	118
32	18.66	C10-OLEFIN	56.76	1.42	0.25	2.47	10	140
33	19.06	C4-BENZENE + ACETOPHENONE (ART?)	100.49	2.51	0.46	4.57	10	134
34	19.15	DIETHYLBENZENE	91.88	2.29	0.42	4.18	10	134
35	19.27	DIETHYLBENZENE	41.44	1.03	0.19	1.89	10	134
36	19.34	ISOPROPYLTOLUENE	52.90	1.32	0.24	2.41	10	134
37	19.60	C4-BENZENE	55.35	1.38	0.25	2.52	10	134
38	19.76	C11 PARAFFIN	21.69	0.54	0.08	0.93	11	156
39	19.90	C4-BENZENE	70.55	1.76	0.32	3.21	10	134
40	19.96	C4-BENZENE	41.25	1.03	0.19	1.88	10	134
41	20.14	TETRAMETHYLBENZENE	63.81	1.59	0.29	2.90	10	134

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Table B19 cont

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
42	20.40	UNKNOWN	17.57	0.44	0.08	0.80	10	134
43	20.49	UNKNOWN	19.00	0.47	0.07	0.82	12	170
44	20.72	C4 BENZENE	52.78	1.32	0.24	2.40	10	134
45	20.90	n-UNDECANE	85.32	2.13	0.33	3.67	11	156
46	21.09	1,2,4,5- TETRAMETHYLBENZENE	42.55	1.06	0.19	1.94	10	134
47	21.19	1,2,3,5- TETRAMETHYLBENZENE	53.61	1.34	0.24	2.44	10	134
48	21.29	CAMPHOR?	30.52	0.76	0.12	1.22	10	152
49	21.69	2,3-DIHYDROMETHYLINDENE	43.74	1.09	0.18	1.98	11	148
50	21.79	BIOGENIC HYDR	44.32	1.11	0.18	2.01	11	148
51	21.89	BIOGENIC HYDR	36.29	0.90	0.15	1.64	11	148
52	21.97	2,3-DIHYDRO-1-METHYLINDENE	33.20	0.83	0.15	1.53	10	132
53	22.09	C5- + C4- BENZENE	34.41	0.86	0.14	1.56	11	148
54		C5-BENZENE	0.00	0.00	0.00	0.00	11	148
55	22.51	DIETHYLMETHYLBENZENE	17.27	0.43	0.07	0.78	11	148
56	22.71	DIETHYLMETHYLBENZENE	27.66	0.69	0.11	1.25	11	148
57	22.83	NAPHTHALENE	60.63	1.51	0.29	2.89	10	128
58	22.90	C5-BENZENE	23.12	0.58	0.10	1.05	11	148
59	23.37	C5-BENZENE	18.25	0.46	0.08	0.83	11	148
60	23.69	n-DODECANE	88.64	2.21	0.32	3.81	12	170
61	24.01	BIOGENIC HYDROCARBON	21.17	0.53	0.07	0.93	13	180
62	24.11	C13 PARAFFIN	32.12	0.80	0.11	1.38	13	184
63		BIOGENIC HYDROCARBON	0.00	0.00	0.00	0.00	13	180
64	24.78	BIOGENIC HYDROCARBON	31.19	0.78	0.11	1.37	13	180
65	25.66	C14 PARAFFIN	48.69	1.21	0.15	2.10	14	198
66	25.84	2-METHYLNAPHTHALENE	48.98	1.22	0.21	2.31	11	142
67	26.27	1-METHYLNAPHTHALENE + N-TRIDECANE	48.22	1.20	0.21	2.28	11	142
68		BIOGENIC HYDROCARBON	0.00	0.00	0.00	0.00	14	194
69	27.72	HYDROCARBON	23.54	0.59	0.07	1.04	14	194
70		DIMETHYLNAPHTHALENE	0.00	0.00	0.00	0.00	12	156
71		n-TETRADECANE	0.00	0.00	0.00	0.00	14	198
72		DIMETHYLNAPHTHALENE	0.00	0.00	0.00	0.00	12	156
73		DIMETHYLNAPHTHALENE	0.00	0.00	0.00	0.00	12	156
74		n-PENTADECANE	0.00	0.00	0.00	0.00	15	212
75	31.01	C15 PARAFFIN	21.38	0.53	0.06	0.92	15	212
76		n-HEXADECANE	0.00	0.00	0.00	0.00	16	226
77		C16 PARAFFIN	0.00	0.00	0.00	0.00	16	226
78		n-HEPTADECANE	0.00	0.00	0.00	0.00	17	240
79		PHENANTHRENE	0.00	0.00	0.00	0.00	14	178
80		n-OCTADECANE	0.00	0.00	0.00	0.00	18	256
		TOTAL			23.97	217.43		
					18.90	164.14		
		Total Aromatics			2.41	25.66		
		Total Paraffins			0.39	3.80		
		Total Olefins			2.27	23.84		
		Other			1.47	18.03		

	RT	COMPOUND	C(NG/TENAX)	C(µg/m3)	Cppb	CppbC	N	MW
1	13.14	ETHYLBENZENE+AMYL ACETATE ?	457.171	11.21	2.58	20.68	8	106
2	13.23	1,3,5-TRIMETHYLCYCLOHEXANE	30.271	0.74	0.14	1.30	9	126
3	13.46	m+p-XYLENE	785.268	19.25	4.44	35.52	8	106
4	13.67	4-METHYLOCTANE	75.781	1.86	0.35	3.19	9	128
5	13.80	5-METHYL-3-HEPTANONE	10.814	0.27	0.06	0.40	7	114
6	13.90	3-METHYLOCTANE	22.717	0.56	0.11	0.96	9	128
7	13.98	STYRENE	30.416	0.75	0.18	1.40	8	104
8	14.16	o-XYLENE	289.682	7.10	1.64	13.10	8	106
9	14.43	C9-OLEFIN+C3-CYCLOHEXANE	38.407	0.94	0.18	1.64	9	126
10	14.55	2-BUTOXYETHANOL	8.538	0.21	0.04	0.26	6	118
11	14.78	n-NONANE	72.508	1.78	0.34	3.06	9	128
12	15.17	ISOPROPYLBENZENE (CUMENE)	21.276	0.52	0.11	0.96	9	120
13	15.36	2,3-DIMETHYLOCTANE	32.558	0.80	0.14	1.35	10	144
14	15.70	4-ME-3-HEPTEN-2-ONE+C10 PARAFFIN	30.042	0.74	0.14	1.14	8	126
15	15.77	BENZALDEHYDE	172.745	4.23	0.98	6.84	7	106
16	15.90	a-PINENE	37.553	0.92	0.16	1.58	10	142
17	16.13	n-PROPYLBENZENE	80.734	1.98	0.40	3.63	9	120
18	16.37	m-ETHYLTOLUENE	200.551	4.92	1.00	9.01	9	120
19	16.43	p-ETHYLTOLUENE	88.653	2.17	0.44	3.98	9	120
20	16.61	1,3,5-TRIMETHYLBENZENE	109.232	2.68	0.55	4.91	9	120
21	16.69	PHENOL	58.074	1.42	0.37	2.22	6	94
22	16.76	C10-PARAFFIN	32.945	0.81	0.14	1.39	10	142
23	16.91	o-ETHYLTOLUENE	81.171	1.99	0.41	3.65	9	120
24	17.08	MENTHOL?	106.192	2.60	0.41	4.08	10	156
25	17.21	C5-CYCLOPENTANE	37.68	0.92	0.16	1.61	10	140
26	17.41	1,2,4-TRIMETHYLBENZENE	386.81	9.48	1.93	17.39	9	120
27	17.52	C5-CYCLOPENTANE	26.116	0.64	0.11	1.12	10	140
28	17.71	P-DICHLOROBENZENE	22.176	0.54	0.09	0.55	6	146
29	17.93	n-DECANE	92.221	2.26	0.39	3.89	10	142
30	18.23	1,2,3-TRIMETHYLBENZENE	124.887	3.06	0.62	5.61	9	120
31	18.57	PROPENYLBENZENE	43.831	1.07	0.22	2.00	9	118
32	18.67	C10-OLEFIN	70.246	1.72	0.30	3.01	10	140
33	19.06	C4-BENZENE + ACETOPHENONE (ART?)	166.609	4.08	0.75	7.45	10	134
34	19.15	DIETHYLBENZENE	97.586	2.39	0.44	4.36	10	134
35	19.27	DIETHYLBENZENE	47.034	1.15	0.21	2.10	10	134
36	19.35	ISOPROPYLTOLUENE	60.939	1.49	0.27	2.73	10	134
37	19.60	C4-BENZENE	32.202	0.79	0.14	1.44	10	134
38	19.77	C11 PARAFFIN	22.93	0.56	0.09	0.97	11	156
39	19.90	C4-BENZENE	75.446	1.85	0.34	3.37	10	134
40	19.96	C4-BENZENE	42.181	1.03	0.19	1.89	10	134
41	20.15	TETRAMETHYLBENZENE	72.194	1.77	0.32	3.23	10	134

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TENAX:3173006F

Table B20 cont

	RT	COMPOUND	C(NG/TENAX)	C(µg/m3)	Cppb	CppbC	N	MW
42	20.40	UNKNOWN	17.26	0.42	0.08	0.77	10	134
43	20.50	UNKNOWN	24.77	0.61	0.09	1.05	12	170
44	20.72	C4 BENZENE	63.511	1.56	0.28	2.84	10	134
45	20.90	n-UNDECANE	74.11	1.82	0.28	3.13	11	156
46	21.10	1,2,4,5-TETRAMETHYLBENZENE	46.078	1.13	0.21	2.06	10	134
47	21.19	1,2,3,5-TETRAMETHYLBENZENE	43.97	1.08	0.20	1.97	10	134
48	21.29	CAMPHOR?	37.227	0.91	0.15	1.47	10	152
49	21.69	2,3-DIHYDROMETHYLINDENE	32.85	0.81	0.13	1.46	11	148
50	21.80	BIOGENIC HYDR	53.284	1.31	0.22	2.37	11	148
51	21.89	BIOGENIC HYDR	37.224	0.91	0.15	1.66	11	148
52	21.97	2,3-DIHYDRO-1-METHYLINDENE	35.834	0.88	0.16	1.63	10	132
53	22.09	C5- + C4-BENZENE	37.263	0.91	0.15	1.66	11	148
54	22.35	C5-BENZENE	9.812	0.24	0.04	0.44	11	148
55	22.52	DIETHYLMETHYLBENZENE	18.161	0.45	0.07	0.81	11	148
56	22.72	DIETHYLMETHYLBENZENE	29.402	0.72	0.12	1.31	11	148
57	22.83	NAPHTHALENE	62.94	1.54	0.29	2.95	10	128
58	23.28	C5-BENZENE	15.586	0.38	0.06	0.69	11	148
59	23.36	C5-BENZENE	16.674	0.41	0.07	0.74	11	148
60	23.69	n-DODECANE	74.41	1.82	0.26	3.15	12	170
61	24.01	BIOGENIC HYDROCARBON	15.35	0.38	0.05	0.66	13	180
62	24.11	C13 PARAFFIN	33.271	0.82	0.11	1.41	13	184
63	24.34	BIOGENIC HYDROCARBON	14.82	0.36	0.05	0.64	13	180
64	24.78	BIOGENIC HYDROCARBON	27.606	0.68	0.09	1.19	13	180
65	25.66	C14 PARAFFIN	51.956	1.27	0.16	2.20	14	198
66	25.84	2-METHYLNAPHTHALENE	51.362	1.26	0.22	2.38	11	142
67	26.27	1-METHYLNAPHTHALENE + N-TRIDECANE	51.067	1.25	0.22	2.37	11	142
68	27.55	BIOGENIC HYDROCARBON	16.335	0.40	0.05	0.71	14	194
69	27.72	BIOGENIC HYDROCARBON?	23.499	0.58	0.07	1.02	14	194
70	28.23	DIMETHYLNAPHTHALENE	14.38	0.35	0.06	0.66	12	156
71	28.71	n-TETRADECANE	12.706	0.31	0.04	0.54	14	198
72	29.03	DIMETHYLNAPHTHALENE	12.47	0.31	0.05	0.57	12	156
73	29.66	DIMETHYLNAPHTHALENE	6.441	0.16	0.02	0.30	12	156
74	30.64	n-PENTADECANE	20.539	0.50	0.06	0.87	15	212
75	31.90	C15 PARAFFIN	12.037	0.30	0.03	0.51	15	212
76	33.17	n-HEXADECANE	8.184	0.20	0.02	0.35	16	226
77	33.25	C16 PARAFFIN	5.666	0.14	0.02	0.24	16	226
78	35.23	n-HEPTADECANE	11.838	0.29	0.03	0.50	17	240
79		PHENANTHRENE	0	0.00	0.00	0.00	14	178
80	37.18	n-OCTADECANE	7.086	0.17	0.02	0.30	18	256
		TOTAL	0		26.25	238.55		
		Total Aromatics			20.22	175.41		
		Total Paraffins			2.58	28.01		
		Total Olefins			0.48	4.65		
					2.96	30.48		

	RT	COMPOUND	C(NG/TENAX)	C(µg/m3)	Cppb	CppbC	N	MW
1	13.11	ETHYLBENZENE+AMYL ACETATE ?	102.20	2.61	0.60	4.82	8	106
2		1,3,5-TRIMETHYLCYCLOHEXANE		0.00	0.00	0.00	9	126
3	13.40	m+p-XYLENE	176.40	4.50	1.04	8.31	8	106
4	13.52	4-METHYLOCTANE	23.92	0.61	0.12	1.05	9	128
5		5-METHYL-3-HEPTANONE		0.00	0.00	0.00	7	114
6	13.67	BUTYROLACTONE	29.13	0.74	0.21	0.85	4	86
7		STYRENE		0.00	0.00	0.00	8	104
8	14.12	o-XYLENE	76.12	1.94	0.45	3.59	8	106
9	14.37	C9-OLEFIN+C3-CYCLOHEXANE	21.88	0.56	0.11	0.98	9	126
10		2-BUTOXYETHANOL		0.00	0.00	0.00	6	118
11	14.76	n-NONANE	33.21	0.85	0.16	1.46	9	128
12	15.15	ISOPROPYLBENZENE (CUMENE)	3.83	0.10	0.02	0.18	9	120
13		2,3-DIMETHYLOCTANE		0.00	0.00	0.00	10	144
14		4-ME-3-HEPTEN-2-ONE+C10 PARAFFIN		0.00	0.00	0.00	8	126
15	15.80	BENZALDEHYDE	365.03	9.32	2.15	15.05	7	106
16	15.93	ETHYLHEXANAL	41.93	1.07	0.18	1.84	10	142
17	16.09	n-PROPYLBENZENE	31.54	0.81	0.16	1.48	9	120
18	16.34	m-ETHYLTOLUENE	38.49	0.98	0.20	1.80	9	120
19	16.40	p-ETHYLTOLUENE	19.16	0.49	0.10	0.90	9	120
20	16.57	1,3,5-TRIMETHYLBENZENE	10.20	0.26	0.05	0.48	9	120
21	16.72	PHENOL	152.15	3.89	1.01	6.06	6	94
22		C10 PARAFFIN		0.00	0.00	0.00	10	142
23	16.88	o-ETHYLTOLUENE	21.74	0.56	0.11	1.02	9	120
24		MENTHOL?		0.00	0.00	0.00	10	156
25		C5-CYCLOPENTANE		0.00	0.00	0.00	10	140
26	17.36	1,2,4-TRIMETHYLBENZENE	73.95	1.89	0.38	3.46	9	120
27	17.49	C5-CYCLOPENTANE	19.64	0.50	0.09	0.88	10	140
28		P-DICHLOROBENZENE		0.00	0.00	0.00	6	146
29	17.90	n-DECANE	36.56	0.93	0.16	1.61	10	142
30	18.20	1,2,3-TRIMETHYLBENZENE	22.54	0.58	0.12	1.06	9	120
31	18.42	2-ETHYL-1-HEXANOL	109.67	2.80	0.53	4.21	8	130
32	18.55	PROPENYLBENZENE	15.30	0.39	0.08	0.73	9	118
33	18.63	C10-OLEFIN	17.00	0.43	0.08	0.76	10	140
34	19.10	C4-BENZENE + ACETOPHENONE (ART?)	379.75	9.70	1.77	17.69	10	134
35	19.25	DIETHYLBENZENE	14.45	0.37	0.07	0.67	10	134
36		DIETHYLBENZENE		0.00	0.00	0.00	10	134
37		ISOPROPYLTOLUENE		0.00	0.00	0.00	10	134
38	19.53	C4-BENZENE	20.61	0.53	0.10	0.96	10	134
39	19.70	C11 PARAFFIN	29.96	0.77	0.12	1.32	11	156

TENAX:4073010F

Table B21 (Cont.)

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
40	19.76	UNKNOWN	29.52	0.75	0.14	1.36	10	136
41	19.85	C4-BENZENE	19.37	0.49	0.09	0.90	10	134
42	19.93	C4-BENZENE	28.97	0.74	0.13	1.35	10	134
43		UNKNOWN		0.00	0.00	0.00	10	134
44		UNKNOWN		0.00	0.00	0.00	12	170
45	20.31	UNKNOWN	22.81	0.58				
46	20.69	C4 BENZENE	14.46	0.37	0.07	0.67	10	134
47	20.86	n-UNDECANE	30.30	0.77	0.12	1.33	11	156
48		1,2,4,5-TETRAMETHYLBENZENE		0.00	0.00	0.00	10	134
49		1,2,3,5-TETRAMETHYLBENZENE		0.00	0.00	0.00	10	134
50		CAMPHOR?		0.00	0.00	0.00	10	152
51		2,3-DIHYDROMETHYLINDENE		0.00	0.00	0.00	11	148
52		BIOGENIC HYDROCARBON		0.00	0.00	0.00	11	148
53		BIOGENIC HYDROCARBON		0.00	0.00	0.00	11	148
54	21.92	2,3-DIHYDRO-1-METHYLINDENE	15.11	0.39	0.07	0.71	10	132
55		C5- + C4-BENZENE		0.00	0.00	0.00	11	148
56		C5-BENZENE		0.00	0.00	0.00	11	148
57		DIETHYLMETHYLBENZENE		0.00	0.00	0.00	11	148
58		DIETHYLMETHYLBENZENE		0.00	0.00	0.00	11	148
59	22.79	NAPHTHALENE	16.15	0.41	0.08	0.79	10	128
60		C5-BENZENE		0.00	0.00	0.00	11	148
61		C5-BENZENE		0.00	0.00	0.00	11	148
62	23.64	n-DODECANE	15.97	0.41	0.06	0.70	12	170
63	23.92	BENZOIC ACID (ART)	50.88	1.30	0.18	2.29	13	180
64	25.35	C13 PARAFFIN	21.48	0.55	0.07	0.95	13	184
65		BIOGENIC HYDROCARBON		0.00	0.00	0.00	13	180
66		BIOGENIC HYDROCARBON		0.00	0.00	0.00	13	180
67		C14 PARAFFIN		0.00	0.00	0.00	14	198
68		2-METHYLNAPHTHALENE		0.00	0.00	0.00	11	142
69	26.25	1-METHYLNAPHTHALENE + N-TRIDECANE	30.13	0.77	0.13	1.46	11	142
70	27.53	BIOGENIC HYDROCARBON	28.93	0.74	0.09	1.30	14	194
71	27.88	UNKNOWN	94.19	2.41	0.30	4.24	14	194
72	30.72	UNKNOWN	110.29	2.82	0.44	5.30	12	156
73	31.01	UNKNOWN	16.15	0.41	0.05	0.71	14	198
74	33.26	UNKNOWN	17.39	0.44	0.07	0.84	12	156
75	35.26	UNKNOWN	15.89	0.41	0.06	0.76	12	156
76	36.03	UNKNOWN	26.31	0.67	0.08	1.16	15	212
77	36.82	UNKNOWN	14.73	0.38	0.04	0.65	15	212
78	37.93	UNKNOWN	14.95	0.38	0.04	0.66	16	226
		TOTAL			12.49	111.35		
		Total Aromatics			7.22	56.45		
		Total Paraffins			0.81	8.42		
		Total Olefins			0.18	1.73		
		Other			4.28	44.75		
					1.62	21.03		

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
1	13.11	ETHYLBENZENE+AMYL ACETATE ?	116.66	2.89	0.67	5.33	8	106
2		1,3,5-TRIMETHYLCYCLOHEXANE		0.00	0.00	0.00	9	126
3	13.40	m+p-XYLENE	180.06	4.45	1.03	8.22	8	106
4	13.55	4-METHYLOCTANE	24.47	0.61	0.12	1.04	9	128
5		5-METHYL-3-HEPTANONE		0.00	0.00	0.00	7	114
6	13.68	BUTYROLACTONE	31.53	0.78	0.22	0.89	4	86
7		STYRENE		0.00	0.00	0.00	8	104
8	14.12	o-XYLENE	80.93	2.00	0.46	3.69	8	106
9	14.39	C9-OLEFIN+C3-CYCLOHEXANE	16.28	0.40	0.08	0.70	9	126
10		2-BUTOXYETHANOL		0.00	0.00	0.00	6	118
11	14.76	n-NONANE	43.47	1.08	0.21	1.85	9	128
12	15.15	ISOPROPYLBENZENE (CUMENE)	4.34	0.11	0.02	0.20	9	120
13		2,3-DIMETHYLOCTANE		0.00	0.00	0.00	10	144
14		4-ME-3-HEPTEN-2-ONE+C10 PARAFFIN		0.00	0.00	0.00	8	126
15	15.80	BENZALDEHYDE	355.66	8.80	2.03	14.21	7	106
16	15.94	ETHYLHEXANAL	55.48	1.37	0.24	2.36	10	142
17	16.10	n-PROPYLBENZENE	32.68	0.81	0.16	1.48	9	120
18	16.34	m-ETHYLTOLUENE	39.98	0.99	0.20	1.81	9	120
19	16.40	p-ETHYLTOLUENE	20.17	0.50	0.10	0.92	9	120
20	16.58	1,3,5-TRIMETHYLBENZENE	11.90	0.29	0.06	0.54	9	120
21	16.73	PHENOL	144.08	3.56	0.93	5.56	6	94
22		C10 PARAFFIN		0.00	0.00	0.00	10	156
23	16.88	o-ETHYLTOLUENE	17.66	0.44	0.09	0.80	9	120
24		MENTHOL?		0.00	0.00	0.00	10	156
25		C5-CYCLOPENTANE		0.00	0.00	0.00	10	140
26	17.36	1,2,4-TRIMETHYLBENZENE	74.47	1.84	0.38	3.38	9	120
27	17.50	C5-CYCLOPENTANE	18.50	0.46	0.08	0.80	10	140
28		P-DICHLOROBENZENE		0.00	0.00	0.00	6	146
29	17.90	n-DECANE	42.35	1.05	0.18	1.80	10	142
30	18.21	1,2,3-TRIMETHYLBENZENE	34.64	0.86	0.17	1.57	9	120
31	18.43	2-ETHYL-1-HEXANOL	181.51	4.49	0.84	6.76	8	130
32	18.55	PROPENYLBENZENE	17.37	0.43	0.09	0.80	9	118
33	18.64	C10-OLEFIN	18.84	0.47	0.08	0.81	10	140
34	19.10	C4-BENZENE + ACETOPHENONE (ART?)	380.05	9.40	1.72	17.16	10	134
35	19.26	DIETHYLBENZENE	15.30	0.38	0.07	0.69	10	134
36		DIETHYLBENZENE		0.00	0.00	0.00	10	134
37		ISOPROPYLTOLUENE		0.00	0.00	0.00	10	134
38	19.54	C4-BENZENE	23.05	0.57	0.10	1.04	10	134
39	19.71	C11 PARAFFIN	23.05	0.57	0.09	0.98	11	156
40	19.78	UNKNOWN	35.62	0.88				
41	19.86	C4-BENZENE + PARAFFIN	5.73	0.14	0.03	0.26	10	134
42	19.94	C4-BENZENE + PARAFFIN	22.21	0.55	0.10	1.00	10	134
43	20.04	UNKNOWN	15.28	0.38	0.07	0.69	10	134
44	20.12	C4-BENZENE	14.20	0.35	0.06	0.64	10	134

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TENAX:3173010F FLOW:40.42 L

Table B22 (Cont.)

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
45	20.32	PARAFFIN	18.75	0.46				
46	20.40	UNKNOWN	25.39	0.63				
47	20.87	n-UNDECANE	31.23	0.77	0.12	1.33	11	156
48		1,2,4,5-TETRAMETHYLBENZENE		0.00	0.00	0.00	10	134
49		1,2,3,5-TETRAMETHYLBENZENE		0.00	0.00	0.00	10	134
50		CAMPHOR?		0.00	0.00	0.00	10	152
51	21.68	2,3-DIHYDROMETHYLINDENE	16.93	0.42	0.07	0.76	11	148
52		BIOGENIC HYDROCARBON		0.00	0.00	0.00	11	148
53		BIOGENIC HYDROCARBON		0.00	0.00	0.00	11	148
54	21.92	2,3-DIHYDRO-1-METHYLINDENE	26.30	0.65	0.12	1.21	10	132
55		C5- + C4-BENZENE		0.00	0.00	0.00	11	148
56		C5-BENZENE		0.00	0.00	0.00	11	148
57		DIETHYLMETHYLBENZENE		0.00	0.00	0.00	11	148
58		DIETHYLMETHYLBENZENE		0.00	0.00	0.00	11	148
59	22.79	NAPHTHALENE	16.34	0.40	0.08	0.77	10	128
60		C5-BENZENE		0.00	0.00	0.00	11	148
61		C5-BENZENE		0.00	0.00	0.00	11	148
62	23.65	n-DODECANE	25.80	0.64	0.09	1.10	12	170
63	23.81	BENZOIC ACID (ART?)	143.07	3.54	0.71	4.97	7	122
64	25.35	C13 PARAFFIN	27.84	0.69	0.09	1.19	13	184
65		BIOGENIC HYDROCARBON		0.00	0.00	0.00	13	180
66		BIOGENIC HYDROCARBON		0.00	0.00	0.00	13	180
67		C14 PARAFFIN		0.00	0.00	0.00	14	198
68		2-METHYLNAPHTHALENE		0.00	0.00	0.00	11	142
69	26.26	1-METHYLNAPHTHALENE + N-TRIDECANE	24.47	0.61	0.10	1.15	11	142
70	27.55	BIOGENIC HYDROCARBON	28.75	0.71	0.09	1.25	14	194
71	27.85	HYDROCARBON	62.91	1.56	0.20	2.75	14	194
72	29.68	UNKNOWN	4.93	0.12				
73	30.52	UNKNOWN	24.16	0.60				
74	30.72	UNKNOWN	111.92	2.77				
75	31.03	UNKNOWN	20.63	0.51				
76	32.01	UNKNOWN	58.74	1.45				
77	35.26	UNKNOWN	14.87	0.37				
78	36.06	UNKNOWN	42.96	1.06				
79	38.47	UNKNOWN	15.69	0.39				
80	39.40	UNKNOWN	28.31	0.70				
		TOTAL			12.34	104.47		
		Total Aromatics			8.84	73.19		
		Total Paraffins			0.98	10.56		
		Total Olefins			0.16	1.52		
		Other			2.36	19.21		
					1.28	12.40		

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
1	13.26	AMYL ACETATE?	16.77	0.42	0.08	0.55	7	130
2	13.33	ETHYLBENZENE	26.03	0.65	0.15	1.20	8	106
3	13.61	m+p-XYLENE	98.60	2.46	0.57	4.54	8	106
4	13.88	4-METHYLOCTANE	9.80	0.24	0.05	0.42	9	128
5	14.10	5-METHYL-3-HEPTANONE	5.00	0.12	0.03	0.19	7	114
6		BUTYROLACTONE		0.00	0.00	0.00	4	86
7	14.17	STYRENE	4.50	0.11	0.03	0.21	8	104
8	14.34	o-XYLENE	35.44	0.88	0.20	1.63	8	106
9		C9-OLEFIN+C3-CYCLOHEXANE		0.00	0.00	0.00	9	126
10		2-BUTOXYETHANOL		0.00	0.00	0.00	6	118
11	14.99	n-NONANE	10.30	0.26	0.05	0.44	9	128
12	15.39	ISOPROPYLBENZENE (CUMENE)	2.00	0.05	0.01	0.09	9	120
13		2,3-DIMETHYLOCTANE		0.00	0.00	0.00	10	144
14		4-ME-3-HEPTEN-2-ONE+C10 PARAFFIN		0.00	0.00	0.00	8	126
15	15.96	BENZALDEHYDE	38.16	0.95	0.22	1.54	7	106
16	16.15	ETHYLHEXANAL	14.00	0.35	0.06	0.60	10	142
17	16.34	n-PROPYLBENZENE	5.00	0.12	0.03	0.23	9	120
18	16.58	m-ETHYLTOLUENE	20.63	0.51	0.10	0.94	9	120
19	16.64	p-ETHYLTOLUENE	10.00	0.25	0.05	0.46	9	120
20	16.82	1,3,5-TRIMETHYLBENZENE	10.00	0.25	0.05	0.46	9	120
21	16.99	PHENOL	5.00	0.12	0.03	0.19	6	94
22		C10-PARAFFIN		0.00	0.00	0.00	10	142
23	17.13	o-ETHYLTOLUENE	18.70	0.47	0.10	0.86	9	120
24		MENTHOL?		0.00	0.00	0.00	10	156
25		C5-CYCLOPENTANE		0.00	0.00	0.00	10	140
26	17.61	1,2,4-TRIMETHYLBENZENE	44.76	1.12	0.23	2.05	9	120
27		C5-CYCLOPENTANE		0.00	0.00	0.00	10	140
28		P-DICHLOROBENZENE		0.00	0.00	0.00	6	146
29	18.15	n-DECANE	15.00	0.37	0.06	0.64	10	142
30	18.39	1,2,3-TRIMETHYLBENZENE	15.00	0.37	0.08	0.69	9	120
31	18.60	2-ETHYL-1-HEXANOL	52.47	1.31	0.25	1.97	8	130
32		PROPENYLBENZENE		0.00	0.00	0.00	9	118
33		C10-OLEFIN		0.00	0.00	0.00	10	140
34	19.28	C4-BENZENE + ACETOPHENONE (ART?)	42.29	1.05	0.19	1.92	10	134
35	19.39	DIETHYLBENZENE	19.46	0.49	0.09	0.89	10	134
36	19.51	DIETHYLBENZENE	7.50	0.19	0.03	0.34	10	134
37	19.59	ISOPROPYLTOLUENE	7.00	0.17	0.03	0.32	10	134
38		C4-BENZENE		0.00	0.00	0.00	10	134
39		C11 PARAFFIN						

Table B23 (Cont.)

OILDALE -- TENAX DATA -- 7/31/91 -- 0600-0800 -- page 2

TENAX:3173106F

	RT	COMPOUND	C(NG/TENAX)	C(µg/m3)	Cppb	CppbC	N	MW
40	20.00	C4-BENZENE	23.04	0.57	0.10	1.05	10	134
41		C4-BENZENE		0.00	0.00	0.00	10	134
42	20.20	TETRAMETHYLBENZENE	6.00	0.15	0.03	0.27	10	134
43		UNKNOWN		0.00	0.00	0.00	10	134
44		UNKNOWN		0.00	0.00	0.00	12	170
45		UNKNOWN		0.00				
46	20.97	C4 BENZENE	3.00	0.07	0.01	0.14	10	134
47	21.15	n-UNDECANE	21.12	0.53	0.08	0.91	11	156
48		1,2,4,5-TETRAMETHYLBENZENE		0.00	0.00	0.00	10	134
49		1,2,3,5-TETRAMETHYLBENZENE		0.00	0.00	0.00	10	134
50		CAMPHOR?		0.00	0.00	0.00	10	152
51		2,3-DIHYDROMETHYLINDENE		0.00	0.00	0.00	11	148
52		BIOGENIC HYDROCARBON		0.00	0.00	0.00	11	148
53		BIOGENIC HYDROCARBON		0.00	0.00	0.00	11	148
54		2,3-DIHYDRO-1-METHYLINDENE		0.00	0.00	0.00	10	132
55		C5- + C4-BENZENE		0.00	0.00	0.00	11	148
56		C5-BENZENE		0.00	0.00	0.00	11	148
57		DIETHYLMETHYLBENZENE		0.00	0.00	0.00	11	148
58		DIETHYLMETHYLBENZENE		0.00	0.00	0.00	11	148
59		NAPHTHALENE		0.00	0.00	0.00	10	128
60		C5-BENZENE		0.00	0.00	0.00	11	148
61		C5-BENZENE		0.00	0.00	0.00	11	148
62	22.94	n-DODECANE	7.00	0.17	0.03	0.30	12	170
63		BIOGENIC HYDROCARBON		0.00	0.00	0.00	13	180
64		C13 PARAFFIN		0.00	0.00	0.00	13	184
65		BIOGENIC HYDROCARBON		0.00	0.00	0.00	13	180
66		BIOGENIC HYDROCARBON		0.00	0.00	0.00	13	180
67		C14 PARAFFIN		0.00	0.00	0.00	14	198
68		2-METHYLNAPHTHALENE		0.00	0.00	0.00	11	142
69		1-METHYLNAPHTHALENE + N-TRIDECANE		0.00	0.00	0.00	11	142
70		BIOGENIC HYDROCARBON		0.00	0.00	0.00	14	194
71		HYDROCARBON		0.00	0.00	0.00	14	194
72		UNKNOWN		0.00	0.00	0.00	12	156
73		UNKNOWN		0.00	0.00	0.00	14	198
74		UNKNOWN		0.00	0.00	0.00	12	156
75		UNKNOWN		0.00	0.00	0.00	12	156
76		UNKNOWN		0.00	0.00	0.00	15	212
77		UNKNOWN		0.00	0.00	0.00	15	212
78		UNKNOWN		0.00	0.00	0.00	16	226
79		UNKNOWN		0.00	0.00	0.00	16	226
		TOTAL			3.01	26.02		
		Total Aromatics			2.14	18.08		
		Total Paraffins			0.27	2.71		
		Total Olefins			0.00	0.00		
		Other			0.60	5.23		
					0.03	0.30		

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
1	13.07	AMYL ACETATE?	46.87	1.24	0.23	1.63	7	130
2	13.11	ETHYLBENZENE	24.66	0.65	0.15	1.20	8	106
3	13.40	m+p-XYLENE	86.51	2.29	0.53	4.22	8	106
4	13.67	4-METHYLOCTANE	7.22	0.19	0.04	0.33	9	128
5	13.77	5-METHYL-3-HEPTANONE	5.78	0.15	0.03	0.23	7	114
6	13.88	BUTYROLACTONE	5.50	0.15	0.04	0.17	4	86
7	13.96	STYRENE	10.11	0.27	0.06	0.50	8	104
8	14.11	o-XYLENE	50.33	1.33	0.31	2.46	8	106
9	14.41	C9-OLEFIN+C3-CYCLOHEXANE	10.93	0.29	0.06	0.50	9	126
10		2-BUTOXYETHANOL		0.00	0.00	0.00	6	118
11	14.77	n-NONANE	13.58	0.36	0.07	0.62	9	128
12	15.16	ISOPROPYLBENZENE (CUMENE)	2.00	0.05	0.01	0.10	9	120
13		2,3-DIMETHYLOCTANE		0.00	0.00	0.00	10	144
14		4-ME-3-HEPTEN-2-ONE+C10 PARAFFIN		0.00	0.00	0.00	8	126
15	15.76	BENZALDEHYDE	118.44	3.13	0.72	5.06	7	106
16		ETHYLHEXANAL		0.00	0.00	0.00	10	142
17	16.10	n-PROPYLBENZENE	6.79	0.18	0.04	0.33	9	120
18	16.34	m-ETHYLTOLUENE	18.21	0.48	0.10	0.88	9	120
19	16.40	p-ETHYLTOLUENE	8.17	0.22	0.04	0.40	9	120
20	16.58	1,3,5-TRIMETHYLBENZENE	8.40	0.22	0.05	0.41	9	120
21	16.66	PHENOL	59.29	1.57	0.41	2.45	6	94
22	16.78	C10-PARAFFIN	17.59	0.47	0.08	0.80	10	142
23	16.88	o-ETHYLTOLUENE	21.06	0.56	0.11	1.02	9	120
24	16.97	MENTHOL?	6.13	0.16	0.03	0.25	10	156
25	17.04	C5-CYCLOPENTANE	12.03	0.32	0.06	0.56	10	140
26	17.36	1,2,4-TRIMETHYLBENZENE	43.72	1.16	0.24	2.12	9	120
27	17.49	C5-CYCLOPENTANE	4.07	0.11	0.02	0.19	10	140
28		P-DICHLOROBENZENE		0.00	0.00	0.00	6	146
29	17.91	n-DECANE	16.18	0.43	0.07	0.74	10	142
30	18.22	1,2,3-TRIMETHYLBENZENE	21.09	0.56	0.11	1.02	9	120
31		2-ETHYL-1-HEXANOL		0.00			8	130
32	18.56	PROPENYLBENZENE	5.46	0.14	0.03	0.27	9	118
33	18.64	C10-OLEFIN	8.07	0.21	0.04	0.37	10	140
34	19.05	C4-BENZENE + ACETOPHENONE (ART?)	137.87	3.65	0.67	6.66	10	134
35	19.13	DIETHYLBENZENE	10.65	0.28	0.05	0.51	10	134
36	19.25	DIETHYLBENZENE	4.57	0.12	0.02	0.22	10	134
37	19.32	ISOPROPYLTOLUENE	3.32	0.09	0.02	0.16	10	134
38	19.59	C4-BENZENE	5.43	0.14	0.03	0.26	10	134
39	19.70	C11 PARAFFIN	8.91	0.24	0.04	0.41	11	156
40	19.88	UNKNOWN	4.29	0.11	0.02	0.20	10	136
41	19.94	C4-BENZENE	5.27	0.14	0.03	0.25	10	134
42	20.04	TETRAMETHYLBENZENE	4.24	0.11	0.02	0.20	10	134
43	20.12	UNKNOWN	6.03	0.16	0.03	0.29	10	134
44	20.40	UNKNOWN	16.12	0.43	0.06	0.74	12	170
45	20.71	UNKNOWN	3.74	0.10	0.02	0.18	10	134

Table B24 (Cont.)

OILDALE -- TENAX DATA -- 7/31/91 -- 1000-1200 -- page 2

TENAX:1173110F

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
46		C4 BENZENE		0.00	0.00	0.00	10	134
47	20.87	n-UNDECANE	17.50	0.46	0.07	0.80	11	156
48		1,2,4,5-TETRAMETHYLBENZENE		0.00	0.00	0.00	10	134
49	21.17	1,2,3,5-TETRAMETHYLBENZENE	4.17	0.11	0.02	0.20	10	134
50		CAMPHOR?		0.00	0.00	0.00	10	152
51	21.65	2,3-DIHYDROMETHYLINDENE	3.57	0.09	0.02	0.17	11	148
52		BIOGENIC HYDROCARBON		0.00	0.00	0.00	11	148
53	21.90	BIOGENIC HYDROCARBON	10.35	0.27	0.05	0.50	11	148
54		2,3-DIHYDRO-1-METHYLINDENE		0.00	0.00	0.00	10	132
55		C5- + C4-BENZENE		0.00	0.00	0.00	11	148
56		C5-BENZENE		0.00	0.00	0.00	11	148
57		DIETHYLMETHYLBENZENE		0.00	0.00	0.00	11	148
58	22.69	SILOXAN-ART	6.71	0.18	0.03	0.32	11	148
59	22.79	NAPHTHALENE	6.18	0.16	0.03	0.31	10	128
60		C5-BENZENE		0.00	0.00	0.00	11	148
61		C5-BENZENE		0.00	0.00	0.00	11	148
62	23.38	n-DODECANE	31.73	0.84	0.12	1.45	12	170
63	23.65	BENZOIC ACID	24.32	0.64	0.13	0.90	7	122
64	24.48	C13PARAFFIN	5.37	0.14	0.02	0.25	13	184
65	25.18	BIOGENIC HYDROCARBON	13.90	0.37	0.05	0.65	13	180
66		BIOGENIC HYDROCARBON		0.00	0.00	0.00	13	180
67	25.34	C14PARAFFIN	8.17	0.22	0.03	0.37	14	198
68	26.07	UNKNOWN	10.23	0.27	0.05	0.51	11	142
69	26.25	1-METHYLNAPHTHALENE + N-TRIDECANE	6.21	0.16	0.03	0.31	11	142
70	27.32	UNKNOWN	7.47	0.20	0.02	0.35	14	194
71	27.44	UNKNOWN	8.00	0.21	0.03	0.37	14	194
72	27.76	BENZENEBUTANOIC ACID	41.07	1.09	0.15	1.64	11	178
73	28.70	UNKNOWN	4.48	0.12	0.01	0.21	14	198
74	29.03	UNKNOWN	3.67	0.10	0.02	0.18	12	156
75	30.67	UNKNOWN	63.86	1.69	0.26	3.18	12	156
76	30.99	UNKNOWN	9.91	0.26	0.03	0.45	15	212
77	31.41	UNKNOWN	5.22	0.14	0.02	0.24	15	212
78	31.90	UNKNOWN	7.25	0.19	0.02	0.33	16	226
79	32.00	UNKNOWN	8.02	0.21	0.02	0.37	16	226
80	32.89	UNKNOWN	3.92	0.10	0.01	0.18	17	240
81	33.25	BENZOPHENON	10.78	0.29	0.04	0.50	13	182
82	33.87	UNKNOWN	3.67	0.10	0.01	0.17	18	256
83	35.25	UNKNOWN	11.62	0.31				
84	36.00	UNKNOWN	13.63	0.36				
85	36.83	UNKNOWN	6.32	0.17				
86	37.18	UNKNOWN	4.49	0.12				
		TOTAL			5.94	53.83		
		Total Aromatics			3.16	25.05		
		Total Paraffins			0.53	5.76		
		Total Olefins			0.09	0.88		
		Other			2.15	22.14		
					1.06	12.61		

OILDA - TENAX DATA -- 8/01/91 -- 0600-0800 -- page 1 X:2080106F FLOW:40.5 Table B25

	RT	COMPOUND	C(NG/TENAX)	C(µg/m3)	Cppb	CppbC	N	MW
1	13.11	ETHYLBENZENE+PROPYL ACETATE	109.41	2.70	0.62	4.98	8	106
2	13.21	1,3,5-TRIMETHYLCYCLOHEXANE	3.30	0.08	0.02	0.14	9	126
3	13.41	m+p-XYLENE	272.69	6.73	1.55	12.42	8	106
4	13.54	4-METHYLOCTANE	16.34	0.40	0.08	0.69	9	128
5	13.65	BUTYROLACTONE	18.72	0.46	0.13	0.53	4	86
6	13.89	3-METHYLOCTANE	9.89	0.24	0.05	0.42	9	128
7	13.99	STYRENE	371.35	9.17	2.16	17.24	8	104
8	14.13	o-XYLENE	113.24	2.80	0.64	5.16	8	106
9	14.40	C9-OLEFIN+C3-CYCLOHEXANE	25.60	0.63	0.12	1.10	9	126
10		2-BUTOXYETHANOL		0.00	0.00	0.00	6	118
11	14.76	n-NONANE	24.83	0.61	0.12	1.05	9	128
12	15.15	ISOPROPYLBENZENE (CUMENE)	9.34	0.23	0.05	0.42	9	120
13	15.31	2,3-DIMETHYLOCTANE	4.21	0.10	0.02	0.18	10	144
14	15.62	4-ME-3-HEPTEN-2-ONE+C10 PARAFFIN	7.02	0.17	0.03	0.27	8	126
15	15.81	BENZALDEHYDE (ART?)	461.54	11.40	2.63	18.40	7	106
16	15.88	ETHYLHEXANAL	3.60	0.09	0.02	0.14	8	128
17	16.10	n-PROPYLBENZENE	36.63	0.90	0.18	1.66	9	120
18	16.34	m-ETHYLTOLUENE	74.08	1.83	0.37	3.35	9	120
19	16.41	p-ETHYLTOLUENE	34.06	0.84	0.17	1.54	9	120
20	16.58	1,3,5-TRIMETHYLBENZENE	46.71	1.15	0.23	2.11	9	120
21	16.67	PHENOL	38.00	0.94	0.24	1.46	6	94
22	16.78	C11-OLEFIN	12.33	0.30	0.05	0.53	11	154
23	16.88	o-ETHYLTOLUENE	45.78	1.13	0.23	2.07	9	120
24	17.03	MENTHOL?	23.51	0.58	0.09	0.91	10	156
25	17.16	C5-CYCLOPENTANE	17.42	0.43	0.08	0.75	10	140
26	17.37	1,2,4-TRIMETHYLBENZENE	120.65	2.98	0.61	5.46	9	120
27	17.49	C5-CYCLOPENTANE	5.23	0.13	0.02	0.23	10	140
28	17.68	P-DICHLOROBENZENE	8.06	0.20	0.03	0.20	6	146
29	17.90	n-DECANE	32.90	0.81	0.14	1.40	10	142
30	18.21	1,2,3-TRIMETHYLBENZENE	42.73	1.06	0.21	1.93	9	120
31	18.55	PROPENYLBENZENE	17.15	0.42	0.09	0.79	9	118
32	18.63	C10-OLEFIN	13.23	0.33	0.06	0.57	10	140
33	19.04	C4-BENZENE + ACETOPHENONE (ART?)	98.19	2.42	0.44	4.42	10	134
34	19.13	DIETHYLBENZENE	42.18	1.04	0.19	1.90	10	134
35	19.24	DIETHYLBENZENE	16.56	0.41	0.07	0.75	10	134
36	19.32	ISOPROPYLTOLUENE	21.46	0.53	0.10	0.97	10	134
37	19.57	C4-BENZENE	8.09	0.20	0.04	0.36	10	134
38	19.73	C11 PARAFFIN	14.23	0.35	0.06	0.61	11	156

TENAX:2080106F

Table B25 (Cont.)

	RT	COMPOUND	C(NG/TENAX)	C(µg/m3)	Cppb	CppbC	N	MW
39	19.88	C4-BENZENE	20.50	0.51	0.09	0.92	10	134
40	19.93	C4-BENZENE	12.99	0.32	0.06	0.59	10	134
41	20.11	TETRAMETHYLBENZENE	23.92	0.59	0.11	1.08	10	134
42	20.25	UNKNOWN	3.86	0.10	0.02	0.17	10	134
43	20.38	UNKNOWN	3.18	0.08	0.01	0.14	12	170
44	20.70	C4 BENZENE	14.50	0.36	0.07	0.65	10	134
45	20.86	n-UNDECANE	17.12	0.42	0.06	0.69	11	165
46	21.06	1,2,4,5-TETRAMETHYLBENZENE	10.30	0.25	0.05	0.46	10	134
47	21.16	1,2,3,5-TETRAMETHYLBENZENE	16.27	0.40	0.07	0.73	10	134
48	21.25	CAMPHOR?	6.48	0.16	0.03	0.26	10	152
49	21.65	2,3-DIHYDROMETHYLINDENE	11.08	0.27	0.05	0.50	11	148
50	21.76	BIOGENIC HYDR	5.74	0.14	0.02	0.26	11	148
51		BIOGENIC HYDR		0.00	0.00	0.00	11	148
52	21.93	2,3-DIHYDRO-1-METHYLINDENE	17.28	0.43	0.08	0.79	10	132
53	22.06	C5- + C4-BENZENE	7.36	0.18	0.03	0.33	11	148
54	22.35	C5-BENZENE	5.64	0.14	0.02	0.25	11	148
55		DIETHYLMETHYLBENZENE		0.00	0.00	0.00	11	148
56	22.65	SILOXANE (ART)	ART	0.00				
57	22.79	NAPHTHALENE	20.40	0.50	0.10	0.96	10	128
58	23.20	BENZOIC ACID	169.93	4.20	0.84	5.89	7	122
59	23.46	C5-BENZENE	3.51	0.09	0.01	0.16	11	148
60	23.64	n-DODECANE	5.76	0.14	0.02	0.25	12	170
61		BIOGENIC HYDROCARBON		0.00	0.00	0.00	13	180
62	24.07	C13 PARAFFIN	1.77	0.04	0.01	0.08	13	184
63	24.39	BIOGENIC HYDROCARBON	3.52	0.09	0.01	0.15	13	180
64	25.11	BIOGENIC HYDROCARBON	17.09	0.42	0.06	0.75	13	180
65	25.62	C14 PARAFFIN	0.86	0.02	0.00	0.04	14	198
66	25.80	2-METHYLNAPHTHALENE	12.96	0.32	0.06	0.61	11	142
67	26.24	1-METHYLNAPHTHALENE + N-TRIDECANE	11.75	0.29	0.05	0.55	11	142
68	27.40	BIOGENIC HYDROCARBON	0.38	0.01	0.00	0.02	14	194
69	27.72	HYDROCARBON	28.18	0.70	0.09	1.23	14	194
70		DIMETHYLNAPHTHALENE		0.00	0.00	0.00	12	156
71	28.68	n-TETRADECANE	2.69	0.07	0.01	0.11	14	198
72	29.01	DIMETHYLNAPHTHALENE	0.50	0.01	0.00	0.02	12	156
73	29.64	DIMETHYLNAPHTHALENE	4.75	0.12	0.02	0.22	12	156
74	30.64	n-PENTADECANE	16.00	0.40	0.05	0.68	15	212
75		C15 PARAFFIN		0.00	0.00	0.00	15	212
76	33.16	n-HEXADECANE	3.32	0.08	0.01	0.14	16	226
77	33.24	C16 PARAFFIN		0.00	0.00	0.00	16	226
78	35.22	n-HEPTADECANE	0.20	0.00	0.00	0.01	17	240
79	36.81	PHENANTHRENE	0.53	0.01	0.00	0.03	14	178
80	37.17	n-OCTADECANE	3.39	0.08	0.01	0.14	18	256
		TOTAL			14.04	116.99		
		Total Aromatics			8.66	73.66		
		Total Paraffins			0.66	7.02		
		Total Olefins			0.18	1.67		
		Other			4.53	34.64		
					1.24	11.06		

	RT	COMPOUND	C(NG/TENAX)	C(µg/m3)	Cppb	CppbC	N	MW
1	13.15	ETHYLBENZENE+AMYL ACETATE ?	103.67	2.57	0.59	4.74	8	106
2	13.24	1,3,5-TRIMETHYLCYCLOHEXANE	9.52	0.24	0.05	0.41	9	126
3	13.45	m+p-XYLENE	264.22	6.54	1.51	12.07	8	106
4	13.68	4-METHYLOCTANE	8.42	0.21	0.04	0.36	9	128
5	13.82	BUTYROLACTONE	8.11	0.20	0.06	0.23	4	86
6	13.92	3-METHYLOCTANE	18.89	0.47	0.09	0.80	9	128
7	14.02	STYRENE	338.16	8.37	1.97	15.74	8	104
8	14.16	o-XYLENE	124.77	3.09	0.71	5.70	8	106
9	14.36	C9-OLEFIN+C3-CYCLOHEXANE	12.71	0.31	0.06	0.55	9	126
10	14.43	2-BUTOXYETHANOL		0.00	0.00	0.00	6	118
11	14.78	n-NONANE	10.14	0.25	0.05	0.43	9	128
12	14.96	ISOPROPYLBENZENE (CUMENE)	13.15	0.33	0.07	0.60	9	120
13	15.17	2,3-DIMETHYLOCTANE	5.81	0.14	0.02	0.24	10	144
14	15.64	4-ME-3-HEPTEN-2-ONE+C10PARAFFIN	6.86	0.17	0.03	0.26	8	126
15	15.82	BENZALDEHYDE (ART?)	477.57	11.82	2.73	19.09	7	106
16	15.89	ETHYLHEXANAL	1.38	0.03	0.01	0.05	8	128
17	16.11	n-PROPYLBENZENE	25.97	0.64	0.13	1.18	9	120
18	16.35	m-ETHYLTOLUENE	67.89	1.68	0.34	3.08	9	120
19	16.41	p-ETHYLTOLUENE	30.27	0.75	0.15	1.37	9	120
20	16.59	1,3,5-TRIMETHYLBENZENE	40.64	1.01	0.20	1.84	9	120
21	16.67	PHENOL	45.27	1.12	0.29	1.75	6	94
22	16.75	C10-PARAFFIN	11.78	0.29	0.05	0.50	10	142
23	16.89	o-ETHYLTOLUENE	66.39	1.64	0.33	3.01	9	120
24	17.04	MENTHOL?	14.84	0.37	0.06	0.58	10	156
25	17.20	C5-CYCLOPENTANE	20.66	0.51	0.09	0.89	10	140
26	17.38	1,2,4-TRIMETHYLBENZENE	124.20	3.07	0.63	5.64	9	120
27	17.50	C5-CYCLOPENTANE	3.84	0.09	0.02	0.17	10	140
28	17.69	P-DICHLOROBENZENE	5.34	0.13	0.02	0.13	6	146
29	17.90	n-DECANE	39.84	0.99	0.17	1.70	10	142
30	18.21	1,2,3-TRIMETHYLBENZENE	36.62	0.91	0.18	1.66	9	120
31	18.55	PROPENYLBENZENE	14.84	0.37	0.08	0.68	9	118
32	18.63	C10-OLEFIN	30.83	0.76	0.13	1.33	10	140
33	19.04	C4-BENZENE + ACETOPHENONE (ART)	116.56	2.89	0.53	5.26	10	134
34	19.13	DIETHYLBENZENE	47.25	1.17	0.21	2.13	10	134
35	19.24	DIETHYLBENZENE	16.54	0.41	0.07	0.75	10	134
36	19.32	ISOPROPYLTOLUENE	19.50	0.48	0.09	0.88	10	134
37	19.57	C4-BENZENE	4.92	0.12	0.02	0.22	10	134
38	19.70	C11-PARAFFIN	29.11	0.72	0.11	1.24	11	156

TENAX:1180106F

Table B26 (Cont.)

	RT	COMPOUND	C(NG/TENAX)	C(µg/m3)	Cppb	CppbC	N	MW
39	19.88	C4-BENZENE	16.79	0.42	0.08	0.76	10	134
40	19.93	C4-BENZENE	10.19	0.25	0.05	0.46	10	134
41	20.12	TETRAMETHYLBENZENE	24.73	0.61	0.11	1.12	10	134
42	20.31	UNKNOWN	1.49	0.04	0.01	0.07	10	134
43	20.39	UNKNOWN	1.90	0.05	0.01	0.08	12	170
44	20.70	C4 BENZENE	15.16	0.38	0.07	0.68	10	134
45	20.87	n-UNDECANE	15.53	0.38	0.06	0.66	11	156
46	21.06	1,2,4,5-TETRAMETHYLBENZENE	9.30	0.23	0.04	0.42	10	134
47	21.16	1,2,3,5-TETRAMETHYLBENZENE	17.33	0.43	0.08	0.78	10	134
48	21.26	CAMPHOR?	6.14	0.15	0.02	0.24	10	152
49	21.66	2,3-DIHYDROMETHYLINDENE	12.79	0.32	0.05	0.58	11	148
50	21.76	BIOGENIC HYDROCARBON	5.51	0.14	0.02	0.25	11	148
51		BIOGENIC HYDROCARBON		0.00	0.00	0.00	11	148
52	21.93	2,3-DIHYDRO-1-METHYLINDENE	28.53	0.71	0.13	1.31	10	132
53	22.06	C5- + C4-BENZENE	7.50	0.19	0.03	0.34	11	148
54	22.36	C5-BENZENE	8.42	0.21	0.03	0.38	11	148
55	22.50	DIETHYLMETHYLBENZENE	3.94	0.10	0.02	0.18	11	148
56	22.66	SILOXANE (ART)	ART	0.00				
57	22.80	NAPHTHALENE	26.43	0.65	0.12	1.25	10	128
58	23.21	BENZOIC ACID (ART)	146.61	3.63	0.73	5.09	7	122
59	23.34	C5-BENZENE	5.01	0.12	0.02	0.23	11	148
60	23.65	n-DODECANE	3.33	0.08	0.01	0.14	12	170
61		BIOGENIC HYDROCARBON		0.00	0.00	0.00	13	180
62	24.07	C13 PARAFFIN	1.96	0.05	0.01	0.08	13	184
63	24.65	BIOGENIC HYDROCARBON	4.11	0.10	0.01	0.18	13	180
64	25.13	BIOGENIC HYDROCARBON	28.87	0.71	0.10	1.26	13	180
65	25.63	C14 PARAFFIN	6.26	0.15	0.02	0.27	14	198
66	25.80	2-METHYLNAPHTHALENE	14.97	0.37	0.06	0.70	11	142
67	26.25	1-METHYLNAPHTHALENE + N-TRIDECANE	11.53	0.29	0.05	0.54	11	142
68	27.42	BIOGENIC HYDROCARBON	9.84	0.24	0.03	0.43	14	194
69	27.73	HYDROCARBON	33.84	0.84	0.11	1.48	14	194
70	28.53	DIMETHYLNAPHTHALENE		0.00	0.00	0.00	12	156
71	28.69	n-TETRADECANE	6.03	0.15	0.02	0.26	14	198
72	28.93	DIMETHYLNAPHTHALENE		0.00	0.00	0.00	12	156
73	29.65	DIMETHYLNAPHTHALENE	4.01	0.10	0.02	0.19	12	156
74	30.66	n-PENTADECANE	48.84	1.21	0.14	2.09	15	212
75	30.99	C15 PARAFFIN	4.19	0.10	0.01	0.18	15	212
76	33.25	n-HEXADECANE	13.61	0.34	0.04	0.58	16	226
77		C16 PARAFFIN		0.00	0.00	0.00	16	226
78	35.23	n-HEPTADECANE	3.26	0.08	0.01	0.14	17	240
79	36.82	PHENANTHRENE	4.03	0.10	0.01	0.19	14	178
80	37.18	n-OCTADECANE	3.74	0.09	0.01	0.16	18	256
		TOTAL			14.23	121.03		
		Total Aromatics			8.59	73.28		
		Total Paraffins			0.86	9.85		
		Total Olefins			0.19	1.88		
		Other			4.59	36.02		
					1.40	14.19		

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
1	13.35	ETHYLBENZENE	619.42	16.86	3.89	31.10	8	106
2	13.73	m+p-XYLENE	2599.23	70.73	16.31	130.51	8	106
3	13.87	4-METHYLOCTANE	153.36	4.17	0.80	7.17	9	128
4	14.06	5-METHYL-3-HEPTANONE	34.98	0.95	0.20	1.43	7	114
5	14.10	3-METHYLOCTANE	66.94	1.82	0.35	3.13	9	128
6	14.19	STYRENE	185.23	5.04	1.18	9.48	8	104
7	14.41	o-XYLENE	950.30	25.86	5.96	47.72	8	106
8	14.57	C9 OLEFIN	82.54	2.25	0.44	3.92	9	126
9	14.70	2-BUTOXYETHANOL	140.90	3.83	0.79	4.77	6	118
10	14.96	n-NONANE	691.29	18.81	3.59	32.34	9	128
11	15.39	ISOPROPYLBENZENE (CUMENE)	189.95	5.17	1.05	9.48	9	120
12	15.55	2,3-DIMETHYLOCTANE	423.77	11.53	1.96	19.58	10	144
13	15.81	4-ME-3-HEPTEN-2-ONE+C10 PARAFFIN	336.84	9.17	1.78	14.23	8	126
14	16.02	BENZALDEHYDE	247.22	6.73	1.55	10.86	7	106
15	16.12	DIMETHYLOCTANE	311.51	8.48	1.46	14.59	10	142
16	16.34	n-PROPYLBENZENE	230.16	6.26	1.28	11.48	9	120
17	16.62	m-ETHYLTOLUENE	672.93	18.31	3.73	33.58	9	120
18	16.68	p-ETHYLTOLUENE	220.60	6.00	1.22	11.01	9	120
19	16.80	C10 PARAFFIN	265.92	7.24	1.25	12.46	10	142
20	16.87	1,3,5-TRIMETHYLBENZENE	376.51	10.25	2.09	18.79	9	120
21		PHENOL						
22		C10-PARAFFIN						
23	17.17	o-ETHYLTOLUENE	374.07	10.18	2.07	18.67	9	120
24	17.60	C10 PARAFFIN	557.91	15.18	2.61	26.14	10	142
25	17.72	1,2,4-TRIMETHYLBENZENE	1634.68	44.48	9.06	81.57	9	120
26	18.04	P-DICHLOROBENZENE	506.76	13.79	2.31	13.86	6	146
27	18.15	n-DECANE	341.29	9.29	1.60	15.99	10	142
28	18.51	1,2,3-TRIMETHYLBENZENE + C4-BENZENE	257.80	7.02	1.43	12.86	9	120
29	18.72	C4-BENZENE	549.00	14.94	2.73	27.26	10	134
30	18.83	PROPENYLBENZENE	455.45	12.39	2.57	23.11	9	118
31	18.91	METHYLISOPROPENYLCYCLOHEXENE	177.23	4.82	0.87	8.67	10	136
32	19.21	C4-BENZENE	146.78	3.99	0.73	7.29	10	134
33	19.33	DIETHYLBENZENE	521.87	14.20	2.59	25.91	10	134
34	19.47	ETHYLDIMETHYLBENZENE	798.94	21.74	3.97	39.67	10	134
35	19.53	ISOPROPYLTOLUENE	292.30	7.95	1.45	14.51	10	134
36	19.65	ETHYLDIMETHYLBENZENE	297.63	8.10	1.48	14.78	10	134

Table B27 (Cont.)

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TENAX:4082106F

	RT	COMPOUND	C(NG/TENAX)	C(µg/m3)	Cppb	CppbC	N	MW
37	20.22	TETRAMETHYLBENZENE	576.59	15.69	2.86	28.63	10	134
38	20.42	ETHYLDIMETHYLBENZENE	235.11	6.40	1.17	11.67	10	134
39	20.54	C12 PARAFFIN	219.90	5.98	0.86	10.33	12	170
40	20.90	C4 BENZENE	209.87	5.71	1.04	10.42	10	134
41	21.14	n-UNDECANE	263.17	7.16	1.12	12.35	11	156
42	21.35	1,2,4,5-TETRAMETHYLBENZENE	146.89	4.00	0.73	7.29	10	134
43	21.46	1,2,3,5-TETRAMETHYLBENZENE	200.18	5.45	0.99	9.94	10	134
44	21.63	2,3-DIHYDRO-2-METHYLINDENE	71.20	1.94	0.36	3.59	10	132
45	21.94	1,3-DIETHYL-5-METHYLBENZENE	159.58	4.34	0.72	7.89	11	148
46	22.14	C5-BENZENE+METHYLINDENE	30.85	0.84	0.14	1.53	11	148
47	22.23	2,3-DIHYDRO-1-METHYLINDENE	51.02	1.39	0.26	2.57	10	132
48	22.32	C5- + C4-BENZENE	36.52	0.99	0.16	1.81	11	148
49	22.59	C5-BENZENE	21.45	0.58	0.10	1.06	11	148
50	22.72	DIETHYLMETHYLBENZENE	60.95	1.66	0.27	3.01	11	148
51	23.00	DIETHYLMETHYLBENZENE	44.29	1.21	0.20	2.19	11	148
52		C5-BENZENE		0.00	0.00	0.00	11	148
53	23.11	NAPHTHALENE	217.22	5.91	1.13	11.29	10	128
54	23.21	DIMETHYLINDANE	49.39	1.34	0.23	2.48	11	146
55	23.57	DIMETHYLCUMENE	37.03	1.01	0.17	1.83	11	148
56	23.87	n-DODECANE	107.31	2.92	0.42	5.04	12	170
57	24.29	DIPROPYLBENZENE + C13 PARAFFIN	34.93	0.95	0.14	1.72	12	162
58	24.65	2,3-DIHYDROETHYLINDENE + C6-BENZENE	13.18	0.36	0.06	0.66	11	146
59	24.97	2,3,-DIHYDRODIMETHYLINDENE	47.68	1.30	0.22	2.39	11	146
60	25.33	2,3-DIHYDRODIMETHYLINDENE	15.38	0.42	0.07	0.77	11	146
61	25.84	C6-BENZENE+C14 OLEFFIN	33.81	0.92	0.14	1.67	12	162
62	26.07	2-METHYLNAPHTHALENE	122.06	3.32	0.57	6.29	11	142
63	26.47	1-METHYLNAPHTHALENE + N-TRIDECANE	92.73	2.52	0.43	4.78	11	142
64	28.03	BIPHENYL	20.62	0.56	0.09	1.07	12	154
65	28.82	DIMETHYLNAPHTHALENE	14.13	0.38	0.06	0.72	12	156
66	28.92	n-TETRADECANE	15.06	0.41	0.05	0.71	14	198
67	29.17	DIMETHYLNAPHTHALENE	16.36	0.45	0.07	0.84	12	156
68	29.25	DIMETHYLNAPHTHALENE	23.79	0.65	0.10	1.22	12	156
69	31.22	n-PENTADECANE	38.57	1.05	0.12	1.82	15	212
70	33.37	n-HEXADECANE	11.61	0.32	0.03	0.55	16	226
71	35.42	n-HEPTADECANE	9.26	0.25	0.03	0.44	17	240
72		PHENANTHRENE		0.00	0.00	0.00	14	178
73		n-OCTADECANE		0.00	0.00	0.00	18	256
		TOTAL			101.46	918.44		
		Total Aromatics			81.14	722.80		
		Total Paraffins			16.25	162.62		
		Total Olefins			0.44	3.92		
		Other			3.64	29.09		
					3.00	34.98		

LOS AN ES -- TENAX DATA -- 8/21/91 -- 0600-0800 -- page 1 TENAX:1182106F FLOW:37.9L

Table B28

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
1	13.36	ETHYLBENZENE	640.07	16.89	3.90	31.16	8	106
2	13.75	m+p-XYLENE	2800.39	73.89	17.04	136.35	8	106
3	13.89	4-METHYLOCTANE	176.76	4.66	0.89	8.02	9	128
4		5-METHYL-3-HEPTANONE		0.00	0.00	0.00	7	114
5	14.10	3-METHYLOCTANE	107.61	2.84	0.54	4.88	9	128
6	14.20	STYRENE	112.36	2.96	0.70	5.58	8	104
7	14.39	o-XYLENE	1006.84	26.57	6.13	49.02	8	106
8	14.58	C9 OLEFIN	96.93	2.56	0.50	4.47	9	126
9	14.75	2-BUTOXYETHANOL	104.79	2.76	0.57	3.44	6	118
10	14.99	n-NONANE	870.95	22.98	4.39	39.51	9	128
11	15.40	ISOPROPYLBENZENE (CUMENE)	147.49	3.89	0.79	7.14	9	120
12	15.57	2,3-DIMETHYLOCTANE	347.00	9.16	1.55	15.55	10	144
13	15.84	4-ME-3-HEPTEN-2-ONE+C10 PARAFFIN	355.67	9.38	1.82	14.57	8	126
14	16.03	BENZALDEHYDE	281.76	7.43	1.71	12.00	7	106
15	16.14	DIMETHYLOCTANE	278.83	7.36	1.27	12.67	10	142
16	16.35	n-PROPYLBENZENE	187.66	4.95	1.01	9.08	9	120
17	16.64	m-ETHYLTOLUENE	714.96	18.86	3.84	34.59	9	120
18	16.69	p-ETHYLTOLUENE	221.62	5.85	1.19	10.72	9	120
19	16.82	C10 PARAFFIN	316.50	8.35	1.44	14.38	10	142
20	16.88	1,3,5-TRIMETHYLBENZENE	341.12	9.00	1.83	16.50	9	120
21		PHENOL						
22		C10-PARAFFIN						
23	17.16	o-ETHYLTOLUENE	1213.56	32.02	6.52	58.72	9	120
24	17.52	C10 PARAFFIN	182.84	4.82	0.83	8.31	10	142
25	17.75	1,2,4-TRIMETHYLBENZENE	1259.30	33.23	6.77	60.93	9	120
26	18.06	P-DICHLOROBENZENE	286.12	7.55	1.26	7.59	6	146
27	18.17	n-DECANE	377.20	9.95	1.71	17.14	10	142
28	18.52	1,2,3-TRIMETHYLBENZENE + C4-BENZENE	270.98	7.15	1.46	13.11	9	120
29	18.72	C4-BENZENE	503.29	13.28	2.42	24.23	10	134
30	18.84	PROPENYLBENZENE	363.27	9.58	1.99	17.87	9	118
31	18.91	METHYLISOPROPENYLCYCLOHEXENE	157.00	4.14	0.74	7.45	10	136
32	19.22	C4-BENZENE	135.38	3.57	0.65	6.52	10	134
33	19.33	DIETHYLBENZENE	351.98	9.29	1.69	16.95	10	134
34	19.48	ETHYLDIMETHYLBENZENE	546.07	14.41	2.63	26.29	10	134
35	19.54	ISOPROPYLTOLUENE	231.02	6.10	1.11	11.12	10	134
36	19.65	ETHYLDIMETHYLBENZENE	273.39	7.21	1.32	13.16	10	134

TENAX:1182106F

Table B28 (Cont.)

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
37	20.21	TETRAMETHYLBENZENE	494.13	13.04	2.38	23.79	10	134
38	20.42	ETHYLDIMETHYLBENZENE	248.75	6.56	1.20	11.98	10	134
39	20.54	C12 PARAFFIN	170.42	4.50	0.65	7.76	12	170
40	20.90	C4 BENZENE	186.29	4.92	0.90	8.97	10	134
41	21.13	n-UNDECANE	244.41	6.45	1.01	11.12	11	156
42	21.34	1,2,4,5-TETRAMETHYLBENZENE	153.08	4.04	0.74	7.37	10	134
43	21.45	1,2,3,5-TETRAMETHYLBENZENE	218.76	5.77	1.05	10.53	10	134
44	21.63	2,3-DIHYDRO-2-METHYLINDENE	62.76	1.66	0.31	3.07	10	132
45	21.93	1,3-DIETHYL-5-METHYLBENZENE	145.20	3.83	0.63	6.96	11	148
46	22.13	C5-BENZENE+METHYLINDENE	28.49	0.75	0.12	1.37	11	148
47	22.22	2,3-DIHYDRO-1-METHYLINDENE	57.78	1.52	0.28	2.82	10	132
48	22.31	C5- + C4-BENZENE	41.28	1.09	0.18	1.98	11	148
49	22.58	C5-BENZENE	24.59	0.65	0.11	1.18	11	148
50	22.71	DIETHYLMETHYLBENZENE	43.42	1.15	0.19	2.08	11	148
51	22.85	DIETHYLMETHYLBENZENE	11.71	0.31	0.05	0.56	11	148
52	22.98	C5-BENZENE	18.59	0.49	0.08	0.89	11	148
53	23.10	NAPHTHALENE	243.08	6.41	1.23	12.25	10	128
54	23.19	DIMETHYLINDANE	34.51	0.91	0.15	1.68	11	146
55	23.56	DIMETHYLCUMENE	34.58	0.91	0.15	1.66	11	148
56	23.86	n-DODECANE	91.54	2.42	0.35	4.17	12	170
57	24.28	DIPROPYLBENZENE + C13 PARAFFIN	37.31	0.98	0.15	1.78	12	162
58	24.54	2,3-DIHYDROETHYLINDENE + C6-BENZENE	10.03	0.26	0.04	0.49	11	146
59	24.95	2,3,-DIHYDRODIMETHYLINDENE	36.90	0.97	0.16	1.79	11	146
60	25.32	2,3-DIHYDRODIMETHYLINDENE	9.35	0.25	0.04	0.45	11	146
61	25.82	C6-BENZENE+C14 OLEFFIN	28.98	0.76	0.12	1.38	12	162
62	26.05	2-METHYLNAPHTHALENE	138.19	3.65	0.63	6.91	11	142
63	26.45	1-METHYLNAPHTHALENE + N-TRIDECANE	98.55	2.60	0.45	4.92	11	142
64	28.03	BIPHENYL		0.00	0.00	0.00	12	154
65	28.89	DIMETHYLNAPHTHALENE	18.69	0.49	0.08	0.93	12	156
66		n-TETRADECANE		0.00	0.00	0.00	14	198
67	29.14	DIMETHYLNAPHTHALENE	13.67	0.36	0.06	0.68	12	156
68	29.22	DIMETHYLNAPHTHALENE	17.19	0.45	0.07	0.85	12	156
69	31.19	n-PENTADECANE	36.17	0.95	0.11	1.65	15	212
70	33.35	n-HEXADECANE	12.92	0.34	0.04	0.59	16	226
71	35.62	n-HEPTADECANE	17.08	0.45	0.05	0.78	17	240
72	36.19	PHENANTHRENE	21.76	0.57	0.08	1.10	14	178
73	37.63	n-OCTADECANE	11.46	0.30	0.03	0.52	18	256
		TOTAL			96.08	866.00		
		Total Aromatics			77.59	689.06		
		Total Paraffins			14.85	147.03		
		Total Olefins			0.50	4.47		
		Other			3.14	25.45		
		[illegible]			2.74	32.34		

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
1	13.38	ETHYLBENZENE	411.19	10.20	2.35	18.83	8	106
2	13.72	m+p-XYLENE	1418.54	35.20	8.12	64.95	8	106
3	13.90	4-METHYLOCTANE	137.80	3.42	0.65	5.88	9	128
4	14.05	5-METHYL-3-HEPTANONE	43.07	1.07	0.23	1.60	7	114
5	14.14	3-METHYLOCTANE	53.55	1.33	0.25	2.28	9	128
6	14.21	STYRENE	40.38	1.00	0.24	1.88	8	104
7	14.41	o-XYLENE	624.53	15.50	3.57	28.60	8	106
8	14.61	C9 OLEFIN	99.63	2.47	0.48	4.32	9	126
9	14.72	2-BUTOXYETHANOL	99.80	2.48	0.51	3.08	6	118
10	15.02	n-NONANE	197.77	4.91	0.94	8.44	9	128
11	15.42	ISOPROPYLBENZENE (CUMENE)	73.16	1.82	0.37	3.33	9	120
12	15.59	2,3-DIMETHYLOCTANE	49.18	1.22	0.21	2.07	10	144
13	15.63	4-ME-3-HEPTEN-2-ONE+C10 PARAFFIN	72.77	1.81	0.35	2.80	8	126
14	16.04	BENZALDEHYDE	377.03	9.36	2.16	15.11	7	106
15	16.15	DIMETHYLOCTANE	84.37	2.09	0.36	3.60	10	142
16	16.37	n-PROPYLBENZENE	216.54	5.37	1.09	9.85	9	120
17	16.64	m-ETHYLTOLUENE	459.34	11.40	2.32	20.90	9	120
18	16.70	p-ETHYLTOLUENE	185.13	4.59	0.94	8.42	9	120
19	16.80	C10 PARAFFIN	117.42	2.91	0.50	5.02	10	142
20	16.86	1,3,5-TRIMETHYLBENZENE	155.68	3.86	0.79	7.08	9	120
21		PHENOL						
22		C10-PARAFFIN						
23	17.13	o-ETHYLTOLUENE	364.73	9.05	1.84	16.60	9	120
24	17.58	C11 OLEFIN	162.44	4.03	0.64	7.04	11	154
25	17.70	1,2,4-TRIMETHYLBENZENE	773.48	19.19	3.91	35.20	9	120
26	18.04	P-DICHLOROBENZENE	96.03	2.38	0.40	2.39	6	146
27	18.20	n-DECANE	281.81	6.99	1.20	12.04	10	142
28	18.51	1,2,3-TRIMETHYLBENZENE + C4-BENZENE	177.07	4.39	0.90	8.06	9	120
29	18.70	C4-BENZENE	303.36	7.53	1.37	13.73	10	134
30	18.84	PROPENYLBENZENE	132.00	3.28	0.68	6.11	9	118
31	18.92	METHYLISOPROPENYLCYCLOHEXENE	76.72	1.90	0.34	3.42	10	136
32	19.30	C4-BENZENE	141.79	3.52	0.64	6.42	10	134
33	19.35	DIETHYLBENZENE	123.80	3.07	0.56	5.61	10	134
34	19.44	ETHYLDIMETHYLBENZENE	247.72	6.15	1.12	11.22	10	134
35	19.54	ISOPROPYLTOLUENE	126.85	3.15	0.57	5.74	10	134
36	19.62	ETHYLDIMETHYLBENZENE	82.94	2.06	0.38	3.76	10	134

Table B29 (Cont.)

LOS ANGELES -- TENAX DATA -- 8/21/91 -- 1000-1200 -- page 2

TENAX:2082110F

	RT	COMPOUND	C(NG/TENAX)	C(µg/m3)	Cppb	CppbC	N	MW
37	20.22	TETRAMETHYLBENZENE	192.41	4.77	0.87	8.71	10	134
38	20.41	ETHYLDIMETHYLBENZENE	132.01	3.28	0.60	5.98	10	134
39	20.59	C12 PARAFFIN	96.93	2.41	0.35	4.15	12	170
40	20.85	C4 BENZENE	36.21	0.90	0.16	1.64	10	134
41	21.15	n-UNDECANE	205.33	5.10	0.80	8.78	11	156
42	21.34	1,2,4,5-TETRAMETHYLBENZENE	45.32	1.12	0.21	2.05	10	134
43	21.44	1,2,3,5-TETRAMETHYLBENZENE	59.71	1.48	0.27	2.70	10	134
44	21.67	2,3-DIHYDRO-2-METHYLINDENE	23.82	0.59	0.11	1.09	10	132
45	21.94	1,3-DIETHYL-5-METHYLBENZENE	61.94	1.54	0.25	2.79	11	148
46	22.15	C5-BENZENE+METHYLINDENE	13.23	0.33	0.05	0.60	11	148
47	22.22	2,3-DIHYDRO-1-METHYLINDENE	42.16	1.05	0.19	1.94	10	132
48	22.33	C5- + C4-BENZENE	45.69	1.13	0.19	2.06	11	148
49	22.59	C5-BENZENE	14.66	0.36	0.06	0.66	11	148
50	22.71	DIETHYLMETHYLBENZENE	10.09	0.25	0.04	0.45	11	148
51	22.94	DIETHYLMETHYLBENZENE	16.98	0.42	0.07	0.77	11	148
52		C5-BENZENE		0.00	0.00	0.00	11	148
53	23.09	NAPHTHALENE	132.97	3.30	0.63	6.30	10	128
54	23.23	DIMETHYLINDANE	5.64	0.14	0.02	0.26	11	146
55	23.59	DIMETHYLCUMENE	15.29	0.38	0.06	0.69	11	148
56	23.91	n-DODECANE	93.41	2.32	0.33	4.00	12	170
57	24.33	DIPROPYLBENZENE + C13 PARAFFIN	37.39	0.93	0.14	1.68	12	162
58	24.65	2,3-DIHYDROETHYLINDENE + C6-BENZENE	3.31	0.08	0.01	0.15	11	146
59	25.00	2,3,-DIHYDRODIMETHYLINDENE	24.92	0.62	0.10	1.14	11	146
60	25.37	2,3-DIHYDRODIMETHYLINDENE	47.11	1.17	0.20	2.15	11	146
61	25.89	C6-BENZENE+C14 OLEFFIN	25.53	0.63	0.10	1.15	12	162
62	26.08	2-METHYLNAPHTHALENE	62.01	1.54	0.26	2.91	11	142
63	26.50	1-METHYLNAPHTHALENE + N-TRIDECANE	68.93	1.71	0.29	3.24	11	142
64	28.00	BIPHENYL	24.65	0.61	0.10	1.17	12	154
65	28.89	DIMETHYLNAPHTHALENE	7.81	0.19	0.03	0.36	12	156
66	28.96	n-TETRADECANE	23.16	0.57	0.07	0.99	14	198
67	29.21	DIMETHYLNAPHTHALENE	6.16	0.15	0.02	0.29	12	156
68	29.29	DIMETHYLNAPHTHALENE	24.83	0.62	0.10	1.16	12	156
69	31.27	n-PENTADECANE	16.43	0.41	0.05	0.71	15	212
70	33.43	n-HEXADECANE	16.13	0.40	0.04	0.69	16	226
71	35.48	n-HEPTADECANE	12.56	0.31	0.03	0.54	17	240
72		PHENANTHRENE		0.00	0.00	0.00	14	178
73		n-OCTADECANE		0.00	0.00	0.00	18	256
		TOTAL			47.82	429.35		
		Total Aromatics			39.48	347.88		
		Total Paraffins			6.43	66.24		
		Total Olefins			0.48	4.32		
		Other			1.43	10.91		
					1.97	23.28		

Los An -- Tenax Data -- 8/22/91 -- 0600-0800 -- page 1 TENAX:4082206 FLOW:40.66 Table B30

	RT	COMPOUND	C(NG/TENAX)	C(µg/m3)	Cppb	CppbC	N	MW
1	13.24	ETHYLBENZENE	316.59	7.79	1.80	14.37	8	106
2	13.58	m+p-XYLENE	1291.31	31.76	7.33	58.60	8	106
3	13.77	4-METHYLOCTANE	106.14	2.61	0.50	4.49	9	128
4	13.91	5-METHYL-3-HEPTANONE	29.08	0.72	0.15	1.07	7	114
5	14.01	3-METHYLOCTANE	40.28	0.99	0.19	1.70	9	128
6	14.08	STYRENE	109.28	2.69	0.63	5.05	8	104
7	14.27	o-XYLENE	509.41	12.53	2.89	23.12	8	106
8	14.47	C9 OLEFIN	75.92	1.87	0.36	3.26	9	126
9	14.57	2-BUTOXYETHANOL	107.82	2.65	0.55	3.30	6	118
10	14.79	n-NONANE	198.39	4.88	0.93	8.39	9	128
11	15.27	ISOPROPYLBENZENE (CUMENE)	53.82	1.32	0.27	2.43	9	120
12	15.44	2,3-DIMETHYLOCTANE	139.47	3.43	0.58	5.82	10	144
13	15.72	4-ME-3-HEPTEN-2-ONE+C10 PARAFFIN	91.67	2.25	0.44	3.50	8	126
14	15.85	BENZALDEHYDE	176.23	4.33	1.00	7.00	7	106
15	16.01	DIMETHYLOCTANE	124.18	3.05	0.53	5.26	10	142
16	16.22	n-PROPYLBENZENE	168.79	4.15	0.85	7.61	9	120
17	16.48	m-ETHYLTOLUENE	361.83	8.90	1.81	16.32	9	120
18	16.54	p-ETHYLTOLUENE	136.50	3.36	0.68	6.16	9	120
19	16.67	C10 PARAFFIN	127.15	3.13	0.54	5.38	10	142
20	16.72	1,3,5-TRIMETHYLBENZENE	176.65	4.34	0.89	7.97	9	120
21	16.80	PHENOL	60.45	1.49	0.39	2.32	6	94
22		C10-PARAFFIN		0.00	0.00	0.00	10	142
23	16.99	o-ETHYLTOLUENE	187.36	4.61	0.94	8.45	9	120
24	17.44	C10 PARAFFIN	65.94	1.62	0.28	2.79	10	142
25	17.56	1,2,4-TRIMETHYLBENZENE	801.78	19.72	4.02	36.16	9	120
26	17.90	P-DICHLOROBENZENE	116.37	2.86	0.48	2.88	6	146
27	18.05	n-DECANE	212.28	5.22	0.90	8.99	10	142
28	18.36	1,2,3-TRIMETHYLBENZENE + C4-BENZENE	133.82	3.29	0.67	6.04	9	120
29	18.54	C4-BENZENE	234.34	5.76	1.05	10.52	10	134
30	18.69	PROPENYLBENZENE	112.53	2.77	0.57	5.16	9	118
31	18.77	METHYLISOPROPENYLCYCLOHEXENE	68.00	1.67	0.30	3.01	10	136
32	18.94	C4-BENZENE	ART	0.00	0.00	0.00	10	134
33	19.15	DIETHYLBENZENE	156.16	3.84	0.70	7.01	10	134
34	19.29	ETHYLDIMETHYLBENZENE	203.92	5.02	0.92	9.15	10	134
35	19.39	ISOPROPYLTOLUENE	82.84	2.04	0.37	3.72	10	134
36	19.47	ETHYLDIMETHYLBENZENE	107.51	2.64	0.48	4.82	10	134

Table B30 (Cont.)

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TENAX:4082206

	RT	COMPOUND	C(NG/TENAX)	C(µg/m3)	Cppb	CppbC	N	MW
37	20.07	TETRAMETHYLBENZENE	223.46	5.50	1.00	10.03	10	134
38	20.26	ETHYLDIMETHYLBENZENE	115.14	2.83	0.52	5.17	10	134
39	20.44	C12 PARAFFIN	96.13	2.36	0.34	4.08	12	170
40	20.83	C4 BENZENE	47.35	1.16	0.21	2.12	10	134
41	21.00	n-UNDECANE	155.27	3.82	0.60	6.58	11	156
42	21.20	1,2,4,5-TETRAMETHYLBENZENE	54.07	1.33	0.24	2.43	10	134
43	21.30	1,2,3,5-TETRAMETHYLBENZENE	75.78	1.86	0.34	3.40	10	134
44		2,3-DIHYDRO-2-METHYLINDENE		0.00	0.00	0.00	10	132
45	21.53	1,3-DIETHYL-5-METHYLBENZENE	18.50	0.45	0.08	0.83	11	148
46	21.80	C5-BENZENE+METHYLINDENE	70.04	1.72	0.28	3.13	11	148
47	22.00	2,3-DIHYDRO-1-METHYLINDENE	20.96	0.52	0.10	0.95	10	132
48	22.08	C5- + C4-BENZENE	35.76	0.88	0.15	1.60	11	148
49	22.19	C5-BENZENE	44.17	1.09	0.18	1.97	11	148
50	22.30	DIETHYLMETHYLBENZENE	28.17	0.69	0.11	1.26	11	148
51		DIETHYLMETHYLBENZENE		0.00	0.00	0.00	11	148
52		C5-BENZENE		0.00	0.00	0.00	11	148
53	22.94	NAPHTHALENE	137.29	3.38	0.64	6.45	10	128
54	23.45	DIMETHYLINDANE	39.18	0.96	0.16	1.77	11	146
55		DIMETHYLCUMENE		0.00	0.00	0.00	11	148
56	23.76	n-DODECANE	101.07	2.49	0.36	4.29	12	170
57	24.18	DIPROPYLBENZENE + C13 PARAFFIN	28.61	0.70	0.11	1.27	12	162
58		2,3-DIHYDROETHYLINDENE + C6-BENZENE		0.00	0.00	0.00	11	146
59	24.85	2,3,-DIHYDRODIMETHYLINDENE	26.80	0.66	0.11	1.21	11	146
60		2,3-DIHYDRODIMETHYLINDENE		0.00	0.00	0.00	11	146
61	25.74	C6-BENZENE+C14 OLEFFIN	26.66	0.66	0.10	1.19	12	162
62	25.93	2-METHYLNAPHTHALENE	85.99	2.11	0.36	4.01	11	142
63	26.35	1-METHYLNAPHTHALENE + N-TRIDECANE	70.75	1.74	0.30	3.30	11	142
64		BIPHENYL		0.00	0.00	0.00	12	154
65	28.72	DIMETHYLNAPHTHALENE	17.66	0.43	0.07	0.82	12	156
66	28.82	n-TETRADECANE	19.90	0.49	0.06	0.85	14	198
67	29.14	DIMETHYLNAPHTHALENE	24.89	0.61	0.10	1.15	12	156
68	29.77	DIMETHYLNAPHTHALENE	18.42	0.45	0.07	0.85	12	156
69	31.12	n-PENTADECANE	15.86	0.39	0.04	0.67	15	212
70		n-HEXADECANE		0.00	0.00	0.00	16	226
71		n-HEPTADECANE		0.00	0.00	0.00	17	240
72		PHENANTHRENE		0.00	0.00	0.00	14	178
73		n-OCTADECANE		0.00	0.00	0.00	18	256
		TOTAL			41.61	373.19		
		Total Aromatics			33.02	291.30		
		Total Paraffins			6.79	67.75		
		Total Olefins			0.36	3.26		
		Other			1.44	10.88		
					1.84	21.38		

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
1	13.37	ETHYLBENZENE	471.53	11.50	2.65	21.21	8	106
2	13.71	m+p-XYLENE	1339.34	32.65	7.53	60.25	8	106
3	13.90	4-METHYLOCTANE	119.12	2.90	0.55	4.99	9	128
4	14.05	5-METHYL-3-HEPTANONE	51.48	1.25	0.27	1.88	7	114
5	14.13	3-METHYLOCTANE	54.25	1.32	0.25	2.27	9	128
6	14.20	STYRENE	46.86	1.14	0.27	2.15	8	104
7	14.41	o-XYLENE	534.57	13.03	3.01	24.05	8	106
8	14.59	C9 OLEFIN	39.22	0.96	0.19	1.67	9	126
9	14.66	2-BUTOXYETHANOL	75.87	1.85	0.38	2.30	6	118
10	15.01	n-NONANE	136.96	3.34	0.64	5.74	9	128
11	15.40	ISOPROPYLBENZENE (CUMENE)	38.49	0.94	0.19	1.72	9	120
12	15.60	2,3-DIMETHYLOCTANE	18.09	0.44	0.07	0.75	10	144
13	15.85	4-ME-3-HEPTEN-2-ONE+C10 PARAFFIN	32.97	0.80	0.16	1.25	8	126
14	16.02	BENZALDEHYDE	259.11	6.32	1.46	10.20	7	106
15	16.13	DIMETHYLOCTANE	80.30	1.96	0.34	3.37	10	142
16	16.35	n-PROPYLBENZENE	152.47	3.72	0.76	6.82	9	120
17	16.61	m-ETHYLTOLUENE	371.63	9.06	1.85	16.61	9	120
18	16.68	p-ETHYLTOLUENE	156.20	3.81	0.78	6.98	9	120
19	16.84	C10 PARAFFIN	152.95	3.73	0.64	6.42	10	142
20	16.92	1,3,5-TRIMETHYLBENZENE	89.14	2.17	0.44	3.99	9	120
21	16.99	PHENOL	58.91	1.44	0.37	2.24	6	94
22	17.06	C10-PARAFFIN	88.60	2.16	0.37	3.72	10	142
23	17.15	o-ETHYLTOLUENE	141.98	3.46	0.71	6.35	9	120
24	17.29	C10 PARAFFIN	91.04	2.22	0.38	3.82	10	142
25	17.66	1,2,4-TRIMETHYLBENZENE	541.08	13.19	2.69	24.19	9	120
26	17.95	P-DICHLOROBENZENE	58.65	1.43	0.24	1.44	6	146
27	18.17	n-DECANE	244.63	5.96	1.03	10.27	10	142
28	18.47	1,2,3-TRIMETHYLBENZENE + C4-BENZENE	129.76	3.16	0.64	5.80	9	120
29	18.64	C4-BENZENE	71.24	1.74	0.32	3.17	10	134
30	18.81	PROPENYLBENZENE	88.95	2.17	0.45	4.04	9	118
31	18.89	METHYLISOPROPENYLCYCLOHEXENE	80.94	1.97	0.35	3.55	10	136
32	19.26	C4-BENZENE	43.22	1.05	0.19	1.92	10	134
33	19.31	DIETHYLBENZENE	171.39	4.18	0.76	7.62	10	134
34	19.40	ETHYLDIMETHYLBENZENE	177.42	4.33	0.79	7.89	10	134
35	19.51	ISOPROPYLTOLUENE	80.92	1.97	0.36	3.60	10	134
36	19.58	ETHYLDIMETHYLBENZENE	65.12	1.59	0.29	2.90	10	134

Table B31 (Cont.)

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TENAX:2082210F

	RT	COMPOUND	C(NG/TENAX)	C(µg/m3)	Cppb	CppbC	N	MW
37	20.19	TETRAMETHYLBENZENE	150.28	3.66	0.67	6.68	10	134
38	20.38	ETHYLDIMETHYLBENZENE	109.73	2.67	0.49	4.88	10	134
39	20.57	C12 PARAFFIN	51.36	1.25	0.18	2.16	12	170
40	20.95	C4 BENZENE	66.68	1.63	0.30	2.97	10	134
41	21.13	n-UNDECANE	184.12	4.49	0.67	7.32	11	165
42	21.32	1,2,4,5-TETRAMETHYLBENZENE	51.07	1.24	0.23	2.27	10	134
43	21.42	1,2,3,5-TETRAMETHYLBENZENE	45.75	1.12	0.20	2.04	10	134
44	21.52	2,3-DIHYDRO-2-METHYLINDENE	29.10	0.71	0.13	1.31	10	132
45	21.66	1,3-DIETHYL-5-METHYLBENZENE	26.11	0.64	0.11	1.16	11	148
46	21.92	C5-BENZENE+METHYLINDENE	66.21	1.61	0.27	2.93	11	148
47	22.21	2,3-DIHYDRO-1-METHYLINDENE	33.92	0.83	0.15	1.53	10	132
48	22.32	C5- + C4-BENZENE	39.28	0.96	0.16	1.74	11	148
49		C5-BENZENE		0.00	0.00	0.00	11	148
50	22.43	DIETHYLMETHYLBENZENE	23.50	0.57	0.09	1.04	11	148
51		DIETHYLMETHYLBENZENE		0.00	0.00	0.00	11	148
52		C5-BENZENE		0.00	0.00	0.00	11	148
53	23.07	NAPHTHALENE	115.38	2.81	0.54	5.37	10	128
54	23.42	DIMETHYLINDANE	27.83	0.68	0.11	1.25	11	146
55	23.58	DIMETHYLCUMENE	26.79	0.65	0.11	1.19	11	148
56	23.90	n-DODECANE	89.78	2.19	0.31	3.78	12	170
57	24.31	DIPROPYLBENZENE + C13 PARAFFIN	26.81	0.65	0.10	1.18	12	162
58		2,3-DIHYDROETHYLINDENE + C6-BENZENE		0.00	0.00	0.00	11	146
59	24.98	2,3,-DIHYDRODIMETHYLINDENE	25.63	0.62	0.10	1.15	11	146
60		2,3-DIHYDRODIMETHYLINDENE		0.00	0.00	0.00	11	146
61	25.87	C6-BENZENE+C14 OLEFFIN	20.67	0.50	0.08	0.91	12	162
62	26.06	2-METHYLNAPHTHALENE	54.44	1.33	0.23	2.51	11	142
63	26.49	1-METHYLNAPHTHALENE + N-TRIDECANE	58.74	1.43	0.25	2.71	11	142
64	27.98	BIPHENYL	19.06	0.46	0.07	0.89	12	154
65		DIMETHYLNAPHTHALENE		0.00	0.00	0.00	12	156
66	28.95	n-TETRADECANE	27.23	0.66	0.08	1.15	14	198
67		DIMETHYLNAPHTHALENE		0.00	0.00	0.00	12	156
68	29.28	DIMETHYLNAPHTHALENE	21.70	0.53	0.08	0.99	12	156
69	31.26	n-PENTADECANE	47.60	1.16	0.13	2.01	15	212
70	33.42	n-HEXADECANE	27.35	0.67	0.07	1.15	16	226
71	35.48	n-HEPTADECANE	37.51	0.91	0.09	1.58	17	240
72		PHENANTHRENE		0.00	0.00	0.00	14	178
73	36.26	n-OCTADECANE	16.45	0.40	0.04	0.69	18	256
		TOTAL			38.41	343.69		
		Total Aromatics			30.49	265.50		
		Total Paraffins			6.56	67.54		
		Total Olefins			0.19	1.67		
		Other			1.16	8.98		
					1.87	23.15		

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	RT	COMPOUND	C(NG/TENAX)	C(µg/m3)	Cppb	CppbC	N	MW
1	13.38	ETHYLBENZENE	408.21	9.97	2.30	18.39	8	106
2	13.72	m+p-XYLENE	1383.89	33.79	7.79	62.35	8	106
3	13.91	4-METHYLOCTANE	113.71	2.78	0.53	4.77	9	128
4	14.06	5-METHYL-3-HEPTANONE	47.36	1.16	0.25	1.74	7	114
5	14.14	3-METHYLOCTANE	46.72	1.14	0.22	1.96	9	128
6	14.21	STYRENE	20.81	0.51	0.12	0.96	8	104
7	14.41	o-XYLENE	567.76	13.86	3.20	25.58	8	106
8	14.53	C9 OLEFIN	18.82	0.46	0.09	0.80	9	126
9	14.60	2-BUTOXYETHANOL	70.47	1.72	0.36	2.14	6	118
10	14.92	n-NONANE	160.83	3.93	0.75	6.75	9	128
11	15.41	ISOPROPYLBENZENE (CUMENE)	42.82	1.05	0.21	1.92	9	120
12	15.62	2,3-DIMETHYLOCTANE	34.73	0.85	0.14	1.44	10	144
13	15.86	4-ME-3-HEPTEN-2-ONE+C10 PARAFFIN	57.43	1.40	0.27	2.18	8	126
14	16.05	BENZALDEHYDE	395.95	9.67	2.23	15.61	7	106
15	16.15	DIMETHYLOCTANE	92.86	2.27	0.39	3.90	10	142
16	16.37	n-PROPYLBENZENE	154.22	3.77	0.77	6.90	9	120
17	16.63	m-ETHYLTOLUENE	387.58	9.46	1.93	17.35	9	120
18	16.69	p-ETHYLTOLUENE	161.68	3.95	0.80	7.24	9	120
19	16.86	C10 PARAFFIN	123.86	3.02	0.52	5.21	10	142
20	16.98	1,3,5-TRIMETHYLBENZENE	82.21	2.01	0.41	3.68	9	120
21	17.11	PHENOL	57.72	1.41	0.37	2.20	6	94
22		C10-PARAFFIN	ART	0.00	0.00	0.00	10	142
23	17.17	o-ETHYLTOLUENE	112.06	2.74	0.56	5.02	9	120
24	17.31	C10 PARAFFIN	82.61	2.02	0.35	3.47	10	142
25	17.69	1,2,4-TRIMETHYLBENZENE	595.47	14.54	2.96	26.66	9	120
26	18.02	P-DICHLOROBENZENE	57.28	1.40	0.23	1.41	6	146
27	18.19	n-DECANE	300.06	7.33	1.26	12.61	10	142
28	18.49	1,2,3-TRIMETHYLBENZENE + C4-BENZENE	160.40	3.92	0.80	7.18	9	120
29	18.68	C4-BENZENE	226.28	5.52	1.01	10.08	10	134
30	18.83	PROPENYLBENZENE	105.98	2.59	0.54	4.83	9	118
31	18.91	METHYLISOPROPENYLCYCLOHEXENE	53.37	1.30	0.23	2.34	10	136
32	19.28	C4-BENZENE	76.25	1.86	0.34	3.40	10	134
33	19.35	DIETHYLBENZENE	176.06	4.30	0.78	7.84	10	134
34	19.43	ETHYLDIMETHYLBENZENE	212.02	5.18	0.94	9.44	10	134
35	19.53	ISOPROPYLTOLUENE	86.17	2.10	0.38	3.84	10	134
36	19.60	ETHYLDIMETHYLBENZENE	85.26	2.08	0.38	3.80	10	134

Table B32 (Cont.)

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TENAX:1182210

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
37	20.21	TETRAMETHYLBENZENE	164.29	4.01	0.73	7.32	10	134
38	20.40	ETHYLDIMETHYLBENZENE	117.20	2.86	0.52	5.22	10	134
39	20.58	C12 PARAFFIN	14.80	0.36	0.05	0.62	12	170
40	20.97	C4 BENZENE	69.33	1.69	0.31	3.09	10	134
41	21.14	n-UNDECANE	179.52	4.38	0.69	7.56	11	156
42	21.33	1,2,4,5-TETRAMETHYLBENZENE	32.98	0.81	0.15	1.47	10	134
43	21.43	1,2,3,5-TETRAMETHYLBENZENE	45.76	1.12	0.20	2.04	10	134
44	21.53	2,3-DIHYDRO-2-METHYLINDENE	22.10	0.54	0.10	1.00	10	132
45	21.66	1,3-DIETHYL-5-METHYLBENZENE	20.67	0.50	0.08	0.92	11	148
46	21.93	C5-BENZENE+METHYLINDENE	71.36	1.74	0.29	3.17	11	148
47	22.21	2,3-DIHYDRO-1-METHYLINDENE	39.58	0.97	0.18	1.79	10	132
48	22.32	C5- + C4-BENZENE	39.73	0.97	0.16	1.76	11	148
49		C5-BENZENE		0.00	0.00	0.00	11	148
50	22.45	DIETHYLMETHYLBENZENE	19.52	0.48	0.08	0.87	11	148
51		DIETHYLMETHYLBENZENE		0.00	0.00	0.00	11	148
52	22.93	C5-BENZENE	45.66	1.11	0.18	2.03	11	148
53	23.08	NAPHTHALENE	114.83	2.80	0.54	5.35	10	128
54		DIMETHYLINDANE		0.00	0.00	0.00	11	146
55		DIMETHYLCUMENE		0.00	0.00	0.00	11	148
56	23.90	n-DODECANE	77.44	1.89	0.27	3.26	12	170
57	24.31	DIPROPYLBENZENE + C13 PARAFFIN	30.03	0.73	0.11	1.33	12	162
58		2,3-DIHYDROETHYLINDENE + C6-BENZENE		0.00	0.00	0.00	11	146
59	24.98	2,3,-DIHYDRODIMETHYLINDENE	19.78	0.48	0.08	0.89	11	146
60	25.56	2,3-DIHYDRODIMETHYLINDENE	27.06	0.66	0.11	1.22	11	146
61	25.87	C6-BENZENE+C14 OLEFFIN	23.02	0.56	0.08	1.02	12	162
62	26.07	2-METHYLNAPHTHALENE	55.82	1.36	0.23	2.58	11	142
63	28.00	1-METHYLNAPHTHALENE + N-TRIDECANE	51.21	1.25	0.22	2.37	11	142
64		BIPHENYL		0.00	0.00	0.00	12	154
65	28.96	DIMETHYLNAPHTHALENE	26.14	0.64	0.10	1.20	12	156
66	29.28	n-TETRADECANE	25.69	0.63	0.08	1.08	14	198
67	29.92	DIMETHYLNAPHTHALENE	17.16	0.42	0.07	0.79	12	156
68		DIMETHYLNAPHTHALENE		0.00	0.00	0.00	12	156
69	31.26	n-PENTADECANE	42.55	1.04	0.12	1.80	15	212
70	33.42	n-HEXADECANE	18.20	0.44	0.05	0.77	16	226
71	35.47	n-HEPTADECANE	17.12	0.42	0.04	0.72	17	240
72		PHENANTHRENE		0.00	0.00	0.00	14	178
73	37.29	n-OCTADECANE	25.70	0.63	0.06	1.08	18	256
		TOTAL			40.30	359.27		
		Total Aromatics			33.02	288.04		
		Total Paraffins			6.08	62.03		
		Total Olefins			0.09	0.80		
		Other			1.11	8.39		
					1.62	20.10		

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
1	13.19	ETHYLBENZENE	275.67	6.56	1.51	12.11	8	106
2	13.52	m+p-XYLENE	1064.57	25.35	5.85	46.77	8	106
3	13.72	4-METHYLOCTANE	77.26	1.84	0.35	3.16	9	128
4		5-METHYL-3-HEPTANONE		0.00	0.00	0.00	7	114
5	13.95	3-METHYLOCTANE	38.24	0.91	0.17	1.57	9	128
6	14.02	STYRENE	104.01	2.48	0.58	4.66	8	104
7	14.21	o-XYLENE	435.95	10.38	2.39	19.15	8	106
8	14.42	C9 OLEFIN	79.58	1.89	0.37	3.31	9	126
9	14.49	2-BUTOXYETHANOL	79.00	1.88	0.39	2.34	6	118
10	14.82	n-NONANE	121.36	2.89	0.55	4.97	9	128
11	15.22	ISOPROPYLBENZENE (CUMENE)	64.23	1.53	0.31	2.80	9	120
12	15.39	2,3-DIMETHYLOCTANE	56.82	1.35	0.23	2.30	10	144
13	15.67	4-ME-3-HEPTEN-2-ONE+C10 PARAFFIN	62.42	1.49	0.29	2.31	8	126
14	15.80	BENZALDEHYDE	171.78	4.09	0.94	6.60	7	106
15	15.95	DIMETHYLOCTANE	89.65	2.13	0.37	3.68	10	142
16	16.16	n-PROPYLBENZENE	158.55	3.78	0.77	6.92	9	120
17	16.42	m-ETHYLTOLUENE	299.86	7.14	1.45	13.09	9	120
18	16.48	p-ETHYLTOLUENE	114.01	2.71	0.55	4.98	9	120
19	16.60	C10 PARAFFIN	69.50	1.65	0.28	2.85	10	142
20	16.65	1,3,5-TRIMETHYLBENZENE	142.12	3.38	0.69	6.21	9	120
21	16.74	PHENOL	57.56	1.37	0.36	2.14	6	94
22	16.80	C10-PARAFFIN	61.45	1.46	0.25	2.52	10	142
23	16.93	o-ETHYLTOLUENE	381.79	9.09	1.85	16.67	9	120
24	17.37	C10 PARAFFIN	189.46	4.51	0.78	7.77	10	142
25	17.49	1,2,4-TRIMETHYLBENZENE	733.23	17.46	3.56	32.01	9	120
26	17.84	P-DICHLOROBENZENE	117.88	2.81	0.47	2.82	6	146
27	17.99	n-DECANE	148.61	3.54	0.61	6.09	10	142
28	18.29	1,2,3-TRIMETHYLBENZENE + C4-BENZENE	111.22	2.65	0.54	4.86	9	120
29	18.47	C4-BENZENE	266.43	6.34	1.16	11.57	10	134
30	18.63	PROPENYLBENZENE	130.09	3.10	0.64	5.78	9	118
31	18.71	METHYLISOPROPENYLCYCLOHEXENE	83.27	1.98	0.36	3.56	10	136
32	18.94	C4-BENZENE	43.46	1.03	0.19	1.89	10	134
33	19.08	DIETHYLBENZENE	189.99	4.52	0.83	8.25	10	134
34	19.23	ETHYLDIMETHYLBENZENE	245.01	5.83	1.06	10.64	10	134
35	19.32	ISOPROPYLTOLUENE	100.39	2.39	0.44	4.36	10	134
36	19.41	ETHYLDIMETHYLBENZENE	101.49	2.42	0.44	4.41	10	134

TENAX:4082306

Table B33 (Cont.)

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
37	20.01	TETRAMETHYLBENZENE	203.22	4.84	0.88	8.83	10	134
38	20.19	ETHYLDIMETHYLBENZENE	98.89	2.35	0.43	4.30	10	134
39	20.38	C12 PARAFFIN	50.52	1.20	0.17	2.08	12	170
40	20.76	C4 BENZENE	41.55	0.99	0.18	1.80	10	134
41	20.93	n-UNDECANE	87.99	2.10	0.33	3.61	11	156
42	21.13	1,2,4,5-TETRAMETHYLBENZENE	38.07	0.91	0.17	1.65	10	134
43	21.23	1,2,3,5-TETRAMETHYLBENZENE	56.78	1.35	0.25	2.47	10	134
44		2,3-DIHYDRO-2-METHYLINDENE		0.00	0.00	0.00	10	132
45		1,3-DIETHYL-5-METHYLBENZENE		0.00	0.00	0.00	11	148
46	21.73	C5-BENZENE+METHYLINDENE	64.48	1.54	0.25	2.79	11	148
47	21.94	2,3-DIHYDRO-1-METHYLINDENE	36.07	0.86	0.16	1.59	10	132
48	22.01	C5- + C4-BENZENE	44.90	1.07	0.18	1.94	11	148
49	22.12	C5-BENZENE	35.96	0.86	0.14	1.56	11	148
50	22.50	DIETHYLMETHYLBENZENE	22.79	0.54	0.09	0.99	11	148
51		DIETHYLMETHYLBENZENE		0.00	0.00	0.00	11	148
52		C5-BENZENE		0.00	0.00	0.00	11	148
53	22.87	NAPHTHALENE	101.41	2.41	0.46	4.61	10	128
54	23.38	DIMETHYLINDANE	30.65	0.73	0.12	1.34	11	146
55		DIMETHYLCUMENE		0.00	0.00	0.00	11	148
56	23.69	n-DODECANE	58.30	1.39	0.20	2.40	12	170
57	24.11	DIPROPYLBENZENE + C13 PARAFFIN	20.42	0.49	0.07	0.88	12	162
58		2,3-DIHYDROETHYLINDENE + C6-BENZENE		0.00	0.00	0.00	11	146
59	24.77	2,3,-DIHYDRODIMETHYLINDENE	24.68	0.59	0.10	1.08	11	146
60		2,3-DIHYDRODIMETHYLINDENE		0.00	0.00	0.00	11	146
61	25.67	C6-BENZENE+C14 OLEFFIN	22.35	0.53	0.08	0.96	12	162
62	25.86	2-METHYLNAPHTHALENE	66.15	1.58	0.27	2.98	11	142
63	26.29	1-METHYLNAPHTHALENE + N-TRIDECANE	60.16	1.43	0.25	2.71	11	142
64		BIPHENYL		0.00	0.00	0.00	12	154
65	28.75	DIMETHYLNAPHTHALENE	17.82	0.42	0.07	0.80	12	156
66	29.06	n-TETRADECANE	28.89	0.69	0.08	1.19	14	198
67		DIMETHYLNAPHTHALENE					12	156
68	29.70	DIMETHYLNAPHTHALENE	18.12	0.43	0.07	0.81	12	156
69	31.04	n-PENTADECANE	33.39	0.80	0.12	1.50	15	212
70		n-HEXADECANE		0.00	0.00	0.00	16	226
71		n-HEPTADECANE		0.00	0.00	0.00	17	240
72		PHENANTHRENE		0.00	0.00	0.00	14	178
73		n-OCTADECANE		0.00	0.00	0.00	18	256
		TOTAL			36.71	329.99		
					28.95	256.14		
		Total Aromatics			6.36	62.33		
		Total Paraffins			0.37	3.31		
		Total Olefins			1.03	8.21		
		Other			1.44	16.66		

	RT	COMPOUND	C(NG/TENAX)	C(µg/m3)	Cppb	CppbC	N	MW
1	13.18	ETHYLBENZENE	256.57	6.74	1.55	12.43	8	106
2	13.51	m+p-XYLENE	1013.23	26.61	6.14	49.10	8	106
3	13.72	4-METHYLOCTANE	87.23	2.29	0.44	3.94	9	128
4		5-METHYL-3-HEPTANONE		0.00	0.00	0.00	7	114
5	13.95	3-METHYLOCTANE	35.89	0.94	0.18	1.62	9	128
6	14.02	STYRENE	99.15	2.60	0.61	4.90	8	104
7	14.21	o-XYLENE	388.50	10.20	2.35	18.83	8	106
8	14.42	C9 OLEFIN	80.97	2.13	0.41	3.71	9	126
9	14.50	2-BUTOXYETHANOL	72.57	1.91	0.39	2.37	6	118
10	14.82	n-NONANE	95.91	2.52	0.48	4.33	9	128
11	15.22	ISOPROPYLBENZENE (CUMENE)	47.23	1.24	0.25	2.27	9	120
12	15.39	2,3-DIMETHYLOCTANE	54.41	1.43	0.24	2.43	10	144
13	15.67	4-ME-3-HEPTEN-2-ONE+C10 PARAFFIN	56.76	1.49	0.29	2.31	8	126
14	15.80	BENZALDEHYDE	178.80	4.70	1.08	7.58	7	106
15	15.95	DIMETHYLOCTANE	72.68	1.91	0.33	3.29	10	142
16	16.16	n-PROPYLBENZENE	136.13	3.57	0.73	6.56	9	120
17	16.42	m-ETHYLTOLUENE	272.47	7.16	1.46	13.12	9	120
18	16.48	p-ETHYLTOLUENE	104.81	2.75	0.56	5.05	9	120
19	16.60	C10 PARAFFIN	52.40	1.38	0.24	2.37	10	142
20	16.66	1,3,5-TRIMETHYLBENZENE	135.23	3.55	0.72	6.51	9	120
21	16.74	PHENOL	50.01	1.31	0.34	2.05	6	94
22		C10-PARAFFIN		0.00	0.00	0.00	10	142
23	16.92	o-ETHYLTOLUENE	324.02	8.51	1.73	15.60	9	120
24	17.37	C10 PARAFFIN	156.10	4.10	0.71	7.06	10	142
25	17.49	1,2,4-TRIMETHYLBENZENE	643.49	16.90	3.44	30.99	9	120
26	17.84	P-DICHLOROBENZENE	98.72	2.59	0.43	2.60	6	146
27	17.99	n-DECANE	153.75	4.04	0.70	6.95	10	142
28	18.30	1,2,3-TRIMETHYLBENZENE + C4-BENZENE	102.47	2.69	0.55	4.93	9	120
29	18.50	C4-BENZENE	145.62	3.82	0.70	6.98	10	134
30	18.64	PROPENYLBENZENE	118.26	3.11	0.64	5.79	9	118
31	18.72	METHYLISOPROPENYLCYCLOHEXENE	71.77	1.88	0.34	3.39	10	136
32	18.98	C4-BENZENE	63.76	1.67	0.31	3.06	10	134
33	19.10	DIETHYLBENZENE	208.37	5.47	1.00	9.98	10	134
34	19.24	ETHYLDIMETHYLBENZENE	233.14	6.12	1.12	11.17	10	134
35	19.33	ISOPROPYLTOLUENE	100.65	2.64	0.48	4.82	10	134
36	19.42	ETHYLDIMETHYLBENZENE	80.67	2.12	0.39	3.87	10	134

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TENAX:3182306F

Table B34 (Cont.)

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
37	20.02	TETRAMETHYLBENZENE	227.64	5.98	1.09	10.91	10	134
38	20.21	ETHYLDIMETHYLBENZENE	98.90	2.60	0.47	4.74	10	134
39	20.40	C12 PARAFFIN	46.33	1.22	0.17	2.10	12	170
40	20.77	C4 BENZENE	25.79	0.68	0.12	1.24	10	134
41	20.95	n-UNDECANE	96.59	2.54	0.40	4.37	11	156
42	21.15	1,2,4,5-TETRAMETHYLBENZENE	36.70	0.96	0.18	1.76	10	134
43	21.24	1,2,3,5-TETRAMETHYLBENZENE	55.24	1.45	0.26	2.65	10	134
44		2,3-DIHYDRO-2-METHYLINDENE		0.00	0.00	0.00	10	132
45		1,3-DIETHYL-5-METHYLBENZENE		0.00	0.00	0.00	11	148
46	21.75	C5-BENZENE+METHYLINDENE	40.64	1.07	0.18	1.94	11	148
47	21.95	2,3-DIHYDRO-1-METHYLINDENE	30.48	0.80	0.15	1.48	10	132
48	22.02	C5- + C4-BENZENE	40.25	1.06	0.17	1.92	11	148
49	22.13	C5-BENZENE	30.56	0.80	0.13	1.46	11	148
50		DIETHYLMETHYLBENZENE		0.00	0.00	0.00	11	148
51		DIETHYLMETHYLBENZENE		0.00	0.00	0.00	11	148
52		C5-BENZENE		0.00	0.00	0.00	11	148
53	22.88	NAPHTHALENE	81.11	2.13	0.41	4.07	10	128
54	23.39	DIMETHYLINDANE	28.36	0.74	0.12	1.37	11	146
55		DIMETHYLCUMENE		0.00	0.00	0.00	11	148
56	23.71	n-DODECANE	44.12	1.16	0.17	2.00	12	170
57	24.13	DIPROPYLBENZENE + C13 PARAFFIN	18.63	0.49	0.07	0.89	12	162
58		2,3-DIHYDROETHYLINDENE + C6-BENZENE		0.00	0.00	0.00	11	146
59	24.79	2,3,-DIHYDRODIMETHYLINDENE	25.72	0.68	0.11	1.24	11	146
60		2,3-DIHYDRODIMETHYLINDENE		0.00	0.00	0.00	11	146
61	25.69	C6-BENZENE+C14 OLEFFIN	21.09	0.55	0.08	1.00	12	162
62	25.87	2-METHYLNAPHTHALENE	56.45	1.48	0.26	2.81	11	142
63	26.30	1-METHYLNAPHTHALENE + N-TRIDECANE	53.29	1.40	0.24	2.65	11	142
64	27.87	BIPHENYL		0.00	0.00	0.00	12	154
65		DIMETHYLNAPHTHALENE		0.00	0.00	0.00	12	156
66		n-TETRADECANE		0.00	0.00	0.00	14	198
67	29.08	DIMETHYLNAPHTHALENE	22.52	0.59	0.09	1.11	12	156
68	29.72	DIMETHYLNAPHTHALENE	19.10	0.50	0.08	0.94	12	156
69	31.07	n-PENTADECANE	9.05	0.24	0.03	0.41	15	212
70		n-HEXADECANE		0.00	0.00	0.00	16	226
71		n-HEPTADECANE		0.00	0.00	0.00	17	240
72		PHENANTHRENE		0.00	0.00	0.00	14	178
73		n-OCTADECANE		0.00	0.00	0.00	18	256
		TOTAL			36.33	325.02		
					29.09	256.76		
		Total Aromatics			5.81	56.47		
		Total Paraffins			0.41	3.71		
		Total Olefins			1.02	8.07		
		Other			1.26	14.43		

Table B35

Los Angel Tenax Data -- 8/23/91 -- 1000-1200 -- page 1 TENAX:2082310 FLOW:40.9

	RT	COMPOUND	C(NG/TENAX)	C(µg/m3)	Cppb	CppbC	N	MW
1	13.36	ETHYLBENZENE	419.91	10.27	2.37	18.94	8	106
2	13.70	m+p-XYLENE	1400.67	34.25	7.90	63.19	8	106
3	13.89	4-METHYLOCTANE	132.77	3.25	0.62	5.58	9	128
4	14.04	5-METHYL-3-HEPTANONE	34.81	0.85	0.18	1.28	7	114
5	14.12	3-METHYLOCTANE	51.87	1.27	0.24	2.18	9	128
6	14.19	STYRENE	34.65	0.85	0.20	1.59	8	104
7	14.39	o-XYLENE	582.96	14.25	3.29	26.30	8	106
8	14.58	C9 OLEFIN	80.71	1.97	0.38	3.45	9	126
9	14.70	2-BUTOXYETHANOL	88.05	2.15	0.45	2.68	6	118
10	15.01	n-NONANE	210.51	5.15	0.98	8.85	9	128
11	15.40	ISOPROPYLBENZENE (CUMENE)	65.73	1.61	0.33	2.95	9	120
12	15.56	2,3-DIMETHYLOCTANE	54.85	1.34	0.23	2.28	10	144
13	15.81	4-ME-3-HEPTEN-2-ONE+C10 PARAFFIN	77.23	1.89	0.37	2.93	8	126
14	16.03	BENZALDEHYDE	443.58	10.85	2.50	17.51	7	106
15	16.13	DIMETHYLOCTANE	113.74	2.78	0.48	4.79	10	142
16	16.35	n-PROPYLBENZENE	220.65	5.39	1.10	9.89	9	120
17	16.61	m-ETHYLTOLUENE	430.29	10.52	2.14	19.29	9	120
18	16.67	p-ETHYLTOLUENE	173.03	4.23	0.86	7.76	9	120
19	16.78	C10 PARAFFIN	128.70	3.15	0.54	5.42	10	142
20	16.84	1,3,5-TRIMETHYLBENZENE	140.98	3.45	0.70	6.32	9	120
21	16.91	PHENOL	43.64	1.07	0.28	1.67	6	94
22		C10-PARAFFIN		0.00	0.00	0.00	10	142
23	17.11	o-ETHYLTOLUENE	521.60	12.75	2.60	23.39	9	120
24	17.56	C10 PARAFFIN	243.74	5.96	1.03	10.26	10	142
25	17.68	1,2,4-TRIMETHYLBENZENE	950.16	23.23	4.73	42.60	9	120
26	18.02	P-DICHLOROBENZENE	194.84	4.76	0.80	4.79	6	146
27	18.18	n-DECANE	454.56	11.11	1.91	19.14	10	142
28	18.49	1,2,3-TRIMETHYLBENZENE + C4-BENZENE	153.04	3.74	0.76	6.86	9	120
29	18.70	C4-BENZENE	446.25	10.91	1.99	19.91	10	134
30	18.82	PROPENYLBENZENE	165.91	4.06	0.84	7.56	9	118
31	18.90	METHYLISOPROPENYLCYCLOHEXENE	87.53	2.14	0.38	3.85	10	136
32		C4-BENZENE	ART	0.00	0.00	0.00	10	134
33	19.29	DIETHYLBENZENE	301.68	7.38	1.35	13.46	10	134
34	19.43	ETHYLDIMETHYLBENZENE	448.79	10.97	2.00	20.02	10	134
35	19.51	ISOPROPYLTOLUENE	165.46	4.05	0.74	7.38	10	134
36	19.61	ETHYLDIMETHYLBENZENE	127.06	3.11	0.57	5.67	10	134

Table B35 (Cont.)

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TENAX:2082310

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
37	20.20	TETRAMETHYLBENZENE	218.84	5.35	0.98	9.76	10	134
38	20.39	ETHYLDIMETHYLBENZENE	129.82	3.17	0.58	5.79	10	134
39	20.57	C12 PARAFFIN	103.62	2.53	0.36	4.37	12	170
40	20.88	C4 BENZENE	67.25	1.64	0.30	3.00	10	134
41	21.13	n-UNDECANE	221.57	5.42	0.85	9.34	11	156
42	21.32	1,2,4,5-TETRAMETHYLBENZENE	57.96	1.42	0.26	2.59	10	134
43	21.42	1,2,3,5-TETRAMETHYLBENZENE	62.92	1.54	0.28	2.81	10	134
44	21.52	2,3-DIHYDRO-2-METHYLINDENE	22.48	0.55	0.10	1.02	10	132
45	21.65	1,3-DIETHYL-5-METHYLBENZENE	24.07	0.59	0.10	1.07	11	148
46	21.92	C5-BENZENE+METHYLINDENE	68.53	1.68	0.28	3.04	11	148
47	22.20	2,3-DIHYDRO-1-METHYLINDENE	30.62	0.75	0.14	1.39	10	132
48	22.31	C5- + C4-BENZENE	39.28	0.96	0.16	1.75	11	148
49	22.44	C5-BENZENE	25.38	0.62	0.10	1.13	11	148
50	22.69	DIETHYLMETHYLBENZENE	16.88	0.41	0.07	0.75	11	148
51		DIETHYLMETHYLBENZENE		0.00	0.00	0.00	11	148
52		C5-BENZENE		0.00	0.00	0.00	11	148
53	23.07	NAPHTHALENE	114.32	2.79	0.53	5.34	10	128
54		DIMETHYLINDANE		0.00	0.00	0.00	11	146
55		DIMETHYLCUMENE		0.00	0.00	0.00	11	148
56	23.88	n-DODECANE	104.17	2.55	0.37	4.40	12	170
57	24.30	DIPROPYLBENZENE + C13 PARAFFIN	30.75	0.75	0.11	1.36	12	162
58	24.69	2,3-DIHYDROETHYLINDENE + C6-BENZENE	23.33	0.57	0.10	1.05	11	146
59	24.97	2,3,-DIHYDRODIMETHYLINDENE	25.68	0.63	0.11	1.16	11	146
60		2,3-DIHYDRODIMETHYLINDENE		0.00	0.00	0.00	11	146
61	25.86	C6-BENZENE+C14 OLEFFIN	24.37	0.60	0.09	1.08	12	162
62	26.06	2-METHYLNAPHTHALENE	61.60	1.51	0.26	2.85	11	142
63	26.48	1-METHYLNAPHTHALENE + N-TRIDECANE	65.23	1.59	0.27	3.02	11	142
64	28.04	BIPHENYL + ?	90.17	2.20	0.35	4.20	12	154
65		DIMETHYLNAPHTHALENE		0.00	0.00	0.00	12	156
66	28.95	n-TETRADECANE	26.40	0.65	0.08	1.12	14	198
67		DIMETHYLNAPHTHALENE		0.00	0.00	0.00	12	156
68	29.28	DIMETHYLNAPHTHALENE	33.00	0.81	0.13	1.52	12	156
69	31.25	n-PENTADECANE	33.80	0.83	0.10	1.43	15	212
70	33.41	n-HEXADECANE	17.43	0.43	0.05	0.74	16	226
71	35.46	n-HEPTADECANE	19.69	0.48	0.05	0.83	17	240
72		PHENANTHRENE		0.00	0.00	0.00	14	178
73		n-OCTADECANE		0.00	0.00	0.00	18	256
		TOTAL			52.98	477.61		
		Total Aromatics			40.73	359.34		
		Total Paraffins			10.48	104.10		
		Total Olefins			0.38	3.45		
		Other			1.38	10.73		
					2.05	24.75		

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
1	13.17	ETHYLBENZENE	450.09	10.97	2.53	20.25	8	106
2	13.51	m+p-XYLENE	1473.89	35.93	8.29	66.30	8	106
3	13.69	4-METHYLOCTANE	135.22	3.30	0.63	5.67	9	128
4		5-METHYL-3-HEPTANONE		0.00	0.00	0.00	7	114
5	13.84	3-METHYLOCTANE	32.28	0.79	0.15	1.35	9	128
6	13.92	STYRENE	63.20	1.54	0.36	2.90	8	104
7	14.20	o-XYLENE	616.84	15.04	3.47	27.75	8	106
8	14.39	C9 OLEFIN	84.91	2.07	0.40	3.62	9	126
9	14.45	2-BUTOXYETHANOL	121.97	2.97	0.62	3.70	6	118
10	14.80	n-NONANE	151.21	3.69	0.70	6.34	9	128
11	15.19	ISOPROPYLBENZENE (CUMENE)	72.22	1.76	0.36	3.23	9	120
12	15.36	2,3-DIMETHYLOCTANE	53.63	1.31	0.22	2.22	10	144
13	15.64	4-ME-3-HEPTEN-2-ONE+C10 PARAFFIN	46.31	1.13	0.22	1.75	8	126
14	15.82	BENZALDEHYDE	379.28	9.25	2.13	14.93	7	106
15	15.93	DIMETHYLOCTANE	98.02	2.39	0.41	4.11	10	142
16	16.14	n-PROPYLBENZENE	203.70	4.97	1.01	9.11	9	120
17	16.40	m-ETHYLTOLUENE	427.02	10.41	2.12	19.09	9	120
18	16.47	p-ETHYLTOLUENE	181.17	4.42	0.90	8.10	9	120
19	16.57	C10 PARAFFIN	98.52	2.40	0.41	4.14	10	142
20	16.63	1,3,5-TRIMETHYLBENZENE	142.67	3.48	0.71	6.38	9	120
21	16.71	PHENOL	51.90	1.27	0.33	1.97	6	94
22		C10-PARAFFIN		0.00	0.00	0.00	10	142
23	16.90	o-ETHYLTOLUENE	527.94	12.87	2.62	23.60	9	120
24	17.35	C10 PARAFFIN	177.27	4.32	0.74	7.44	10	142
25	17.47	1,2,4-TRIMETHYLBENZENE	743.27	18.12	3.69	33.23	9	120
26	17.81	P-DICHLOROBENZENE	212.40	5.18	0.87	5.20	6	146
27	17.97	n-DECANE	199.42	4.86	0.84	8.37	10	142
28	18.28	1,2,3-TRIMETHYLBENZENE + C4-BENZENE	189.84	4.63	0.94	8.49	9	120
29	18.48	C4-BENZENE	98.00	2.39	0.44	4.36	10	134
30	18.61	PROPENYLBENZENE	157.40	3.84	0.80	7.16	9	118
31	18.69	METHYLISOPROPENYLCYCLOHEXENE	83.54	2.04	0.37	3.66	10	136
32	18.96	C4-BENZENE	68.93	1.68	0.31	3.07	10	134
33	19.08	DIETHYLBENZENE	275.12	6.71	1.22	12.24	10	134
34	19.22	ETHYLDIMETHYLBENZENE	435.90	10.63	1.94	19.39	10	134
35	19.31	ISOPROPYLTOLUENE	155.95	3.80	0.69	6.94	10	134
36	19.40	ETHYLDIMETHYLBENZENE	132.61	3.23	0.59	5.90	10	134

Table B36 (Cont.)

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TENAX:3182310F

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
37	19.99	TETRAMETHYLBENZENE	186.00	4.53	0.83	8.27	10	134
38	20.18	ETHYLDIMETHYLBENZENE	132.38	3.23	0.59	5.89	10	134
39	20.36	C12 PARAFFIN	46.62	1.14	0.16	1.96	12	170
40	20.75	C4 BENZENE	40.66	0.99	0.18	1.81	10	134
41	20.92	n-UNDECANE	184.35	4.49	0.70	7.75	11	156
42	21.12	1,2,4,5-TETRAMETHYLBENZENE	59.60	1.45	0.27	2.65	10	134
43	21.21	1,2,3,5-TETRAMETHYLBENZENE	60.31	1.47	0.27	2.68	10	134
44	21.31	2,3-DIHYDRO-2-METHYLINDENE	30.03	0.73	0.14	1.36	10	132
45	21.46	1,3-DIETHYL-5-METHYLBENZENE	29.02	0.71	0.12	1.29	11	148
46	21.71	C5-BENZENE+METHYLINDENE	107.58	2.62	0.43	4.77	11	148
47	21.91	2,3-DIHYDRO-1-METHYLINDENE	39.14	0.95	0.18	1.77	10	132
48	21.99	C5- + C4-BENZENE	63.01	1.54	0.25	2.79	11	148
49	22.10	C5-BENZENE	34.92	0.85	0.14	1.55	11	148
50	22.24	DIETHYLMETHYLBENZENE	21.86	0.53	0.09	0.97	11	148
51	22.36	DIETHYLMETHYLBENZENE	18.65	0.45	0.08	0.83	11	148
52	22.49	C5-BENZENE	31.59	0.77	0.13	1.40	11	148
53	22.86	NAPHTHALENE	123.58	3.01	0.58	5.75	10	128
54		DIMETHYLINDANE		0.00	0.00	0.00	11	146
55		DIMETHYLCUMENE		0.00	0.00	0.00	11	148
56	23.68	n-DODECANE	82.21	2.00	0.29	3.46	12	170
57	24.10	DIPROPYLBENZENE + C13 PARAFFIN	30.10	0.73	0.11	1.33	12	162
58		2,3-DIHYDROETHYLINDENE + C6-BENZENE		0.00	0.00	0.00	11	146
59	24.76	2,3,-DIHYDRODIMETHYLINDENE	23.99	0.58	0.10	1.08	11	146
60	25.36	2,3-DIHYDRODIMETHYLINDENE	73.35	1.79	0.30	3.29	11	146
61	25.65	C6-BENZENE+C14 OLEFFIN	20.55	0.50	0.08	0.91	12	162
62	25.84	2-METHYLNAPHTHALENE	57.10	1.39	0.24	2.64	11	142
63	26.27	1-METHYLNAPHTHALENE + N-TRIDECANE	60.64	1.48	0.25	2.80	11	142
64		BIPHENYL		0.00	0.00	0.00	12	154
65	28.72	DIMETHYLNAPHTHALENE	20.15	0.49	0.08	0.92	12	156
66		n-TETRADECANE		0.00	0.00	0.00	14	198
67		DIMETHYLNAPHTHALENE		0.00	0.00	0.00	12	156
68		DIMETHYLNAPHTHALENE		0.00	0.00	0.00	12	156
69	31.02	n-PENTADECANE	31.45	0.77	0.09	1.33	15	212
70		n-HEXADECANE		0.00	0.00	0.00	16	226
71		n-HEPTADECANE		0.00	0.00	0.00	17	240
72		PHENANTHRENE		0.00	0.00	0.00	14	178
73		n-OCTADECANE		0.00	0.00	0.00	18	256
		TOTAL			48.69	433.15		
					39.11	342.69		
		Total Aromatics			7.98	77.73		
		Total Paraffins			0.40	3.62		
		Total Olefins			1.20	9.11		
		Other			1.53	17.75		
		Total from #54						

	RT	COMPOUND	C(NG/TENAX)	C(µg/m3)	Cppb	CppbC	N	MW
1	13.17	ETHYLBENZENE	145.66	3.67	0.85	6.77	8	106
2	13.49	m+p-XYLENE	590.79	14.88	3.43	27.46	8	106
3	13.71	4-METHYLOCTANE	45.21	1.14	0.22	1.96	9	128
4		5-METHYL-3-HEPTANONE		0.00	0.00	0.00	7	114
5	13.94	3-METHYLOCTANE	20.89	0.53	0.10	0.90	9	128
6	14.01	STYRENE	50.56	1.27	0.30	2.40	8	104
7	14.19	o-XYLENE	225.43	5.68	1.31	10.48	8	106
8	14.40	C9 OLEFIN	37.06	0.93	0.18	1.63	9	126
9	14.48	2-BUTOXYETHANOL	65.73	1.66	0.34	2.06	6	118
10	14.81	n-NONANE	65.95	1.66	0.32	2.86	9	128
11	15.21	ISOPROPYLBENZENE (CUMENE)	23.62	0.59	0.12	1.09	9	120
12	15.38	2,3-DIMETHYLOCTANE	58.79	1.48	0.25	2.51	10	144
13	15.65	4-ME-3-HEPTEN-2-ONE+ C10 PARAFFIN	32.71	0.82	0.16	1.28	8	126
14	15.78	BENZALDEHYDE	84.95	2.14	0.49	3.45	7	106
15	15.94	DIMETHYLOCTANE	8.46	0.21	0.04	0.37	10	142
16	16.15	n-PROPYLBENZENE	83.53	2.10	0.43	3.86	9	120
17	16.40	m-ETHYLTOLUENE	158.47	3.99	0.81	7.32	9	120
18	16.47	p-ETHYLTOLUENE	66.83	1.68	0.34	3.09	9	120
19	16.59	C10 PARAFFIN	43.07	1.08	0.19	1.87	10	142
20	16.64	1,3,5-TRIMETHYLBENZENE	88.51	2.23	0.45	4.09	9	120
21	16.72	PHENOL	18.79	0.47	0.12	0.74	6	94
22	16.76	C10-PARAFFIN	16.95	0.43	0.07	0.74	10	142
23	16.90	o-ETHYLTOLUENE	149.98	3.78	0.77	6.93	9	120
24	17.35	C10 PARAFFIN	76.89	1.94	0.33	3.33	10	142
25	17.46	1,2,4-TRIMETHYLBENZENE	408.67	10.29	2.10	18.88	9	120
26	17.93	P-DICHLOROBENZENE	55.34	1.39	0.23	1.40	6	146
27	17.98	n-DECANE	129.73	3.27	0.56	5.63	10	142
28	18.28	1,2,3-TRIMETHYLBENZENE + C4-BENZENE	83.45	2.10	0.43	3.85	9	120
29	18.44	C4-BENZENE	70.93	1.79	0.33	3.26	10	134
30	18.62	PROPENYLBENZENE	81.88	2.06	0.43	3.85	9	118
31	18.70	METHYLISOPROPENYLCYCLOHEXENE	60.76	1.53	0.28	2.75	10	136
32	18.86	C12 PARAFFIN +?	283.34	7.14	1.03	12.32	12	170
33	19.07	DIETHYLBENZENE	126.53	3.19	0.58	5.82	10	134
34	19.21	ETHYLDIMETHYLBENZENE	159.92	4.03	0.73	7.35	10	134
35	19.31	ISOPROPYLTOLUENE	67.91	1.71	0.31	3.12	10	134
36	19.40	ETHYLDIMETHYLBENZENE	47.85	1.21	0.22	2.20	10	134

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TENAX:3182406

Table B37 (Cont.)

	RT	COMPOUND	C(NG/TENAX)	C(μg/m3)	Cppb	CppbC	N	MW
37	20.00	TETRAMETHYLBENZENE	104.93	2.64	0.48	4.82	10	134
38	20.19	ETHYLDIMETHYLBENZENE	61.31	1.54	0.28	2.82	10	134
39	20.38	C12 PARAFFIN	7.82	0.20	0.03	0.34	12	170
40	20.69	C4 BENZENE	60.00	1.51	0.28	2.76	10	134
41	20.94	n-UNDECANE	101.06	2.55	0.40	4.39	11	156
42	21.13	1,2,4,5-TETRAMETHYLBENZENE	19.07	0.48	0.09	0.88	10	134
43	21.23	1,2,3,5-TETRAMETHYLBENZENE	34.18	0.86	0.16	1.57	10	134
44	21.48	2,3-DIHYDRO-2-METHYLINDENE	17.41	0.44	0.08	0.81	10	132
45		1,3-DIETHYL-5-METHYLBENZENE		0.00	0.00	0.00	11	148
46	21.74	C5-BENZENE+METHYLINDENE	53.69	1.35	0.22	2.46	11	148
47	21.94	2,3-DIHYDRO-1-METHYLINDENE	22.82	0.57	0.11	1.06	10	132
48	22.01	C5- + C4-BENZENE	30.01	0.76	0.12	1.37	11	148
49	22.13	C5-BENZENE	21.57	0.54	0.09	0.99	11	148
50		DIETHYLMETHYLBENZENE		0.00	0.00	0.00	11	148
51		DIETHYLMETHYLBENZENE		0.00	0.00	0.00	11	148
52	22.74	C5-BENZENE	23.86	0.60	0.10	1.09	11	148
53	22.87	NAPHTHALENE	54.60	1.38	0.26	2.63	10	128
54	23.39	DIMETHYLINDANE	16.60	0.42	0.07	0.77	11	146
55		DIMETHYLCUMENE		0.00	0.00	0.00	11	148
56	23.71	n-DODECANE	44.46	1.12	0.16	1.93	12	170
57	24.13	DIPROPYLBENZENE + C13 PARAFFIN	22.69	0.57	0.09	1.04	12	162
58		2,3-DIHYDROETHYLINDENE + C6-BENZENE		0.00	0.00	0.00	11	146
59	24.79	2,3,-DIHYDRODIMETHYLINDENE	18.05	0.45	0.08	0.84	11	146
60		2,3-DIHYDRODIMETHYLINDENE		0.00	0.00	0.00	11	146
61		C6-BENZENE+C14 OLEFFIN		0.00	0.00	0.00	12	162
62	25.87	2-METHYLNAPHTHALENE	39.19	0.99	0.17	1.87	11	142
63	26.30	1-METHYLNAPHTHALENE + N-TRIDECANE	37.83	0.95	0.16	1.80	11	142
64		BIPHENYL		0.00	0.00	0.00	12	154
65		DIMETHYLNAPHTHALENE		0.00	0.00	0.00	12	156
66		n-TETRADECANE		0.00	0.00	0.00	14	198
67		DIMETHYLNAPHTHALENE		0.00	0.00	0.00	12	156
68		DIMETHYLNAPHTHALENE		0.00	0.00	0.00	12	156
69	31.07	n-PENTADECANE	24.74	0.62	0.07	1.08	15	212
70		n-HEXADECANE		0.00	0.00	0.00	16	226
71		n-HEPTADECANE		0.00	0.00	0.00	17	240
72		PHENANTHRENE		0.00	0.00	0.00	14	178
73		n-OCTADECANE		0.00	0.00	0.00	18	256
		TOTAL			22.36	204.91		
					17.46	158.50		
		Total Aromatics			3.94	38.69		
		Total Paraffins			0.18	1.63		
		Total Olefins			0.78	6.09		
		Other			0.80	9.33		

	RT	COMPOUND	C(NG/TENAX)	C(µg/m3)	Cppb	CppbC	N	MW
1	13.15	ETHYLBENZENE	198.15	4.72	1.09	8.71	8	106
2	13.46	m+p-XYLENE	579.61	13.80	3.18	25.47	8	106
3	13.69	4-METHYLOCTANE	56.68	1.35	0.26	2.32	9	128
4		5-METHYL-3-HEPTANONE		0.00	0.00	0.00	7	114
5	13.81	3-METHYLOCTANE	16.97	0.40	0.08	0.69	9	128
6	13.91	STYRENE	31.13	0.74	0.17	1.39	8	104
7	14.17	o-XYLENE	285.13	6.79	1.57	12.53	8	106
8	14.38	C9 OLEFIN	66.42	1.58	0.31	2.76	9	126
9	14.46	2-BUTOXYETHANOL	70.16	1.67	0.35	2.08	6	118
10	14.80	n-NONANE	97.61	2.32	0.44	4.00	9	128
11	15.19	ISOPROPYLBENZENE (CUMENE)	38.62	0.92	0.19	1.69	9	120
12	15.36	2,3-DIMETHYLOCTANE	14.51	0.35	0.06	0.59	10	144
13	15.65	4-ME-3-HEPTEN-2-ONE+C10 PARAFFIN	46.99	1.12	0.22	1.74	8	126
14	15.81	BENZALDEHYDE	312.94	7.45	1.72	12.03	7	106
15	15.92	DIMETHYLOCTANE	52.62	1.25	0.22	2.16	10	142
16	16.13	n-PROPYLBENZENE	91.65	2.18	0.44	4.00	9	120
17	16.38	m-ETHYLTOLUENE	173.14	4.12	0.84	7.56	9	120
18	16.45	p-ETHYLTOLUENE	75.00	1.79	0.36	3.27	9	120
19	16.57	C10 PARAFFIN	55.52	1.32	0.23	2.28	10	142
20	16.62	1,3,5-TRIMETHYLBENZENE	52.94	1.26	0.26	2.31	9	120
21	16.75	PHENOL	90.35	2.15	0.56	3.36	6	94
22		C10-PARAFFIN		0.00	0.00	0.00	10	142
23	16.89	o-ETHYLTOLUENE	59.90	1.43	0.29	2.62	9	120
24	17.26	C10 PARAFFIN	83.61	1.99	0.34	3.43	10	142
25	17.43	1,2,4-TRIMETHYLBENZENE	410.38	9.77	1.99	17.92	9	120
26	17.80	P-DICHLOROBENZENE	93.93	2.24	0.37	2.25	6	146
27	17.96	n-DECANE	210.12	5.00	0.86	8.61	10	142
28	18.26	1,2,3-TRIMETHYLBENZENE + C4-BENZENE	91.41	2.18	0.44	3.99	9	120
29	18.45	C4-BENZENE	ART	0.00	0.00	0.00	10	134
30	18.60	PROPENYLBENZENE	74.92	1.78	0.37	3.33	9	118
31	18.69	METHYLISOPROPENYLCYCLOHEXENE	42.52	1.01	0.18	1.82	10	136
32	18.83	C4-BENZENE	167.51	3.99	0.73	7.28	10	134
33	19.11	DIETHYLBENZENE	161.29	3.84	0.70	7.01	10	134
34	19.19	ETHYLDIMETHYLBENZENE	207.88	4.95	0.90	9.03	10	134
35	19.29	ISOPROPYLTOLUENE	59.72	1.42	0.26	2.59	10	134
36	19.38	ETHYLDIMETHYLBENZENE	44.23	1.05	0.19	1.92	10	134

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	RT	COMPOUND	C(NG/TENAX)	C(µg/m3)	Cppb	CppbC	N	MW
37	19.98	TETRAMETHYLBENZENE	82.70	1.97	0.36	3.59	10	134
38	20.17	ETHYLDIMETHYLBENZENE	52.37	1.25	0.23	2.28	10	134
39	20.36	C12 PARAFFIN	47.60	1.13	0.16	1.96	12	170
40	20.44	C4 BENZENE	56.02	1.33	0.24	2.43	10	134
41	20.92	n-UNDECANE	130.07	3.10	0.49	5.34	11	156
42		1,2,4,5-TETRAMETHYLBENZENE		0.00	0.00	0.00	10	134
43	21.20	1,2,3,5-TETRAMETHYLBENZENE	22.59	0.54	0.10	0.98	10	134
44	21.31	2,3-DIHYDRO-2-METHYLINDENE	20.89	0.50	0.09	0.92	10	132
45	21.45	1,3-DIETHYL-5-METHYLBENZENE	16.53	0.39	0.07	0.72	11	148
46	21.72	C5-BENZENE+METHYLINDENE	46.58	1.11	0.18	2.02	11	148
47	21.93	2,3-DIHYDRO-1-METHYLINDENE	31.52	0.75	0.14	1.39	10	132
48	21.99	C5- + C4-BENZENE	35.25	0.84	0.14	1.53	11	148
49	22.10	C5-BENZENE	24.37	0.58	0.10	1.05	11	148
50		DIETHYLMETHYLBENZENE		0.00	0.00	0.00	11	148
51		DIETHYLMETHYLBENZENE		0.00	0.00	0.00	11	148
52	22.72	C5-BENZENE	24.17	0.58	0.10	1.05	11	148
53	22.84	NAPHTHALENE	52.53	1.25	0.24	2.39	10	128
54		DIMETHYLINDANE		0.00	0.00	0.00	11	146
55		DIMETHYLCUMENE		0.00	0.00	0.00	11	148
56	23.69	n-DODECANE	53.26	1.27	0.18	2.19	12	170
57	24.11	DIPROPYLBENZENE + C13 PARAFFIN	25.28	0.60	0.09	1.09	12	162
58		2,3-DIHYDROETHYLINDENE + C6-BENZENE		0.00	0.00	0.00	11	146
59	24.77	2,3,-DIHYDRODIMETHYLINDENE	19.14	0.46	0.08	0.84	11	146
60		2,3-DIHYDRODIMETHYLINDENE		0.00	0.00	0.00	11	146
61	25.67	C6-BENZENE+C14 OLEFFIN	18.50	0.44	0.07	0.80	12	162
62	25.85	2-METHYLNAPHTHALENE	30.46	0.73	0.12	1.37	11	142
63	26.29	1-METHYLNAPHTHALENE + N-TRIDECANE	36.35	0.87	0.15	1.64	11	142
64	27.79	BIPHENYL	48.54	1.16	0.18	2.20	12	154
65		DIMETHYLNAPHTHALENE		0.00	0.00	0.00	12	156
66	28.75	n-TETRADECANE	17.86	0.43	0.05	0.74	14	198
67	29.07	DIMETHYLNAPHTHALENE	22.53	0.54	0.08	1.01	12	156
68	29.71	DIMETHYLNAPHTHALENE	17.39	0.41	0.06	0.78	12	156
69	31.05	n-PENTADECANE	14.78	0.35	0.04	0.61	15	212
70		n-HEXADECANE		0.00	0.00	0.00	16	226
71		n-HEPTADECANE		0.00	0.00	0.00	17	240
72		PHENANTHRENE		0.00	0.00	0.00	14	178
73		n-OCTADECANE		0.00	0.00	0.00	18	256
		TOTAL			23.91	213.60		
		Total Aromatics			19.16	167.69		
		Total Paraffins			3.70	37.51		
		Total Olefins			0.31	2.76		
		Other			0.75	5.63		
		Total from #54			1.12	13.26		

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13. ABSTRACT (Maximum 200 words)

Hydrocarbons are important contributors to formation of ozone and organic aerosols. Current sampling methods do not account for semi-volatile hydrocarbons (C10-C18 or higher) and their quantities relative to those typically sampled are not well known. This study determines >C10 hydrocarbon quantities and compares them to hydrocarbons determined using typical sampling methods at three locations in California with different predominant emission sources. Ambient air predominated by motor vehicle emissions, typical urban emissions, and oil production emissions were sampled at the Caldecott Tunnel near San Francisco, a site in Los Angeles, and a site in Oildale respectively. Whole air samples were collected using stainless steel canisters for C2-C12 hydrocarbons, and Tenax-TA solid adsorbents were used for collection of C8-C18 hydrocarbons. Hydrocarbon analysis was determined using high resolution gas chromatographic separation and Fourier transform infrared/mass spectrometric detection of flame ionization detection. Results showed that C10 to C18 hydrocarbons make-up from 6 to 18% of the C2 to C18 hydrocarbons and the C12 to C18 contribution is 1 to 7%. this indicates better characterization of hydrocarbons in ambient air should include sampling and analysis of up to C12 hydrocarbon species at a minimum.

14. SUBJECT TERMS:
Ambient non-methane hydrocarbon concentration data, NMOC speciation, NMOC ambient sampling methods.

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