

Appendix J

SNMOC Raw Monitoring Data

Barceloneta, Puerto Rico (BAPR) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	BAPR 24885	BAPR 25057	BAPR 25133	BAPR 25258	BAPR 25392 D1	BAPR 25392 R1	BAPR 25394 D2
Sampling Date:	1/2/2002	1/8/2002	1/14/2002	1/20/2002	1/26/2002	1/26/2002	1/26/2002
Analysis Date:	1/25/2002	1/25/2002	1/26/2002	1/29/2002	2/26/2002	2/27/2002	2/26/2002
Filename:	L2AX023	L2AY010	L2AY018	L2A#008	L2BZ011	L2B-006	L2BZ012
Ethylene	4.25	2.93	5.12	3.31	3.99	3.98	3.86
Acetylene	2.61	3.22	4.44	2.62	3.19	3.27	3.25
Ethane	13.33	3.71	3.58	3.11	3.64	3.62	3.52
Propylene	1.82	1.23	2.28	1.38	2.01	2.05	1.93
Propane	16.47	13.56	15.86	10.38	17.35	17.33	17.31
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	5.22	2.79	3.17	3.48	3.55	3.64	3.42
Isobutene/1-Butene	1.69	1.64	1.94	1.49	2.47	2.36	1.99
1,3-Butadiene	0.19 U	0.18 U	0.58	0.29	0.40	0.37	0.46
n-Butane	8.88	4.82	4.86	4.72	4.47	4.67	4.42
trans-2-Butene	0.47	0.74	0.70	0.78	0.91	0.96	0.91
cis-2-Butene	0.49	0.68	0.77	0.73	0.80	0.91	0.90
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	9.26	8.44	8.80	7.50	ND	ND	ND
1-Pentene	0.40	0.38	0.43	0.35	0.67	0.76	0.46
2-Methyl-1-butene	ND	0.41	1.17	0.29	ND	ND	ND
n-Pentane	4.47	3.46	3.88	3.20	3.37	3.48	3.63
Isoprene	6.63	7.06	6.39	4.48	1.43	1.48	1.50
trans-2-Pentene	1.22	1.13	1.37	2.84	4.63	4.76	4.72
cis-2-Pentene	0.39	0.53	0.61	0.48	0.57	0.67	0.58
2-Methyl-2-butene	0.39	1.09	0.67	0.83	0.92	0.98	1.00
2,2-Dimethylbutane	0.91	1.07	0.85	0.86	1.67	1.76	1.84
Cyclopentene	0.36	ND	0.30	ND	0.54	0.53	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.50	0.57	0.60	0.50	0.61	0.65	0.67
2,3-Dimethylbutane	1.10	1.21	1.27	0.99	1.50	1.65	1.47
2-Methylpentane	3.45	3.09	3.73	3.02	6.67	6.12	7.58
3-Methylpentane	1.93	2.00	2.26	1.83	2.66	2.71	2.70
2-Methyl-1-pentene	ND	0.37	0.31	0.25 U	0.23 U	0.28	0.21 U
1-Hexene	0.54	0.57	0.70	0.51	0.82	0.87	0.66
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	2.61	1.53	2.01	1.84	1.93	2.01	1.76
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	0.16 U	ND	ND	ND	ND	ND
Methylcyclopentane	1.13	1.15	1.40	1.12	1.41	1.59	1.45
2,4-Dimethylpentane	0.70	0.84	0.76	0.57	0.66	0.74	0.81
Benzene	2.93	2.42	8.48	5.22	3.80	3.99	3.70
Cyclohexane	1.64	52.71	12.75	10.90	0.65	0.72	0.71
2-Methylhexane	1.87	1.76	6.02	1.41	2.09	2.34	2.10
2,3-Dimethylpentane	1.48	1.45	3.07	1.00	1.09	1.16	1.19
3-Methylhexane	1.34	1.38	10.44	1.08	1.76	1.66	1.67
1-Heptene	0.26	ND	3.99	0.24 U	0.72	0.72	0.50
2,2,4-Trimethylpentane	1.65	3.14	1.91	1.26	1.64	1.64	1.53
n-Heptane	1.66	0.96	12.79	0.97	1.78	1.84	1.84
Methylcyclohexane	0.88	0.72	2.17	0.63	0.74	0.87	0.83
2,2,3-Trimethylpentane	ND	0.51	0.89	ND	0.26	0.29	0.16 U
2,3,4-Trimethylpentane	0.63	1.09	0.72	0.50	0.90	1.04	1.08
Toluene	9.63	22.98	19.68	22.72	9.41	9.80	9.32
2-Methylheptane	0.68	0.41	0.50	0.25	0.37	0.39	0.36
3-Methylheptane	1.33	0.48	0.47	0.39	0.44	0.41	0.42
1-Octene	ND	ND	ND	ND	0.42	0.36	ND
n-Octane	1.31	0.77	0.66	0.49	0.52	0.52	0.51
Ethylbenzene	2.18	5.52	4.51	4.36	2.21	2.35	2.30
m-Xylene/p-Xylene	9.20	19.08	17.48	15.31	9.48	10.52	10.10
Styrene	1.24	1.15	0.87	0.29	1.33	1.52	1.15
o-Xylene	2.69	6.21	5.81	4.78	3.04	3.17	3.05
1-Nonene	ND	ND	ND	ND	0.46	0.56	ND
n-Nonane	0.97	2.00	0.64	0.52	0.48	0.55	0.46
Isopropylbenzene	0.48	0.78	0.58	0.62	0.59	0.54	0.94
α-Pinene	0.72	0.57	0.40	ND	0.14 U	ND	ND
n-Propylbenzene	0.35	0.77	0.57	0.46	0.44	0.42	0.37
m-Ethyltoluene	0.70	1.25	1.38	0.95	0.96	0.93	0.90
p-Ethyltoluene	0.62	0.97	0.89	0.62	0.63	0.50	0.60
1,3,5-Trimethylbenzene	0.39	ND	0.93	0.56	0.68	0.70	0.60
o-Ethyltoluene	ND	ND	ND	ND	ND	ND	ND
b-Pinene	ND	ND	1.00	ND	1.06	1.14	1.36
1,2,4-Trimethylbenzene	1.10	2.63	2.29	1.49	1.84	1.92	1.71
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	2.62	11.08	4.11	3.74	1.29	1.34	1.18
1,2,3-Trimethylbenzene	0.31	0.46	0.53	0.38	0.40	0.50	0.48
m-Diethylbenzene	ND	ND	ND	ND	ND	ND	ND
p-Diethylbenzene	ND	ND	0.24	ND	ND	ND	ND
1-Undecene	ND	0.27 U	ND	ND	ND	ND	ND
n-Undecane	6.48	19.33	4.74	4.91	1.95	1.98	1.56
1-Dodecene	ND	0.25 U	ND	ND	ND	ND	ND
n-Dodecane	5.44	15.57	3.67	3.31	3.89	3.82	2.86
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	0.74 U	1.62	0.59 U	0.56 U	1.38	1.34	0.93
TNMOC (speciated)	154.93	250.78	216.54	153.67	131.88	135.74	129.43
TNMOC (w/ unknowns)	230.13	384.85	399.48	341.33	333.91	370.53	498.85

U Under detection limit.

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Sample No.:	BAPR 25394 R2	BAPR 25518	BAPR 25676	BAPR 25844	BAPR 25851	BAPR 26025 D1	BAPR 26025 R1
Sampling Date:	1/26/2002	2/1/2002	2/7/2002	2/13/2002	2/19/2002	2/25/2002	2/25/2002
Analysis Date:	2/27/2002	2/27/2002			3/5/2002	3/6/2002	3/6/2002
Filename:	L2B-007	L2BZ023	VOID	VOID	L2CE014	L2CE023	L2CF010
Ethylene	3.98	3.03			3.49	5.97	5.92
Acetylene	3.21	2.71			3.08	5.60	5.56
Ethane	3.59	11.90			4.85	5.32	5.32
Propylene	1.94	1.34			1.69	2.68	2.64
Propane	17.40	11.39			20.72	24.83	24.66
Propyne	ND	ND			ND	ND	ND
Isobutane	3.59	2.86			11.50	20.67	20.23
Isobutene/1-Butene	1.99	1.28			1.70	2.42	2.36
1,3-Butadiene	0.40	0.21	U		0.44	0.57	0.74
n-Butane	4.59	4.73			12.24	7.63	7.63
trans-2-Butene	0.96	0.62			0.67	1.04	1.04
cis-2-Butene	0.90	0.60			0.80	0.98	1.03
3-Methyl-1-butene	ND	ND			ND	0.20	0.16
Isopentane	ND	4.08			13.54	13.01	12.67
1-Pentene	0.59	0.41			1.12	0.92	0.72
2-Methyl-1-butene	1.52	0.38			1.25	0.49	0.55
n-Pentane	3.72	2.71			5.98	6.56	6.44
Isoprene	1.65	1.44			1.04	1.61	1.58
trans-2-Pentene	4.66	2.46			1.20	1.67	1.76
cis-2-Pentene	0.65	0.48			0.70	0.91	0.92
2-Methyl-2-butene	0.83	0.52			0.97	1.12	1.06
2,2-Dimethylbutane	1.78	1.24			2.41	1.23	1.17
Cyclopentene	ND	ND			0.38	0.70	0.60
4-Methyl-1-pentene	ND	ND			ND	ND	ND
Cyclopentane	0.60	0.58			0.73	0.82	0.88
2,3-Dimethylbutane	1.48	1.01			1.46	1.50	1.47
2-Methylpentane	6.29	3.32			5.55	3.97	3.88
3-Methylpentane	2.57	1.69			3.35	2.75	2.76
2-Methyl-1-pentene	0.19	U	0.17	U	0.16	U	0.30
1-Hexene	0.67	0.58			0.66	0.88	0.83
2-Ethyl-1-butene	ND	ND			ND	ND	ND
n-Hexane	1.91	1.55			33.95	7.24	7.12
trans-2-Hexene	ND	ND			ND	ND	ND
cis-2-Hexene	ND	ND			0.17	U	0.18
Methylcyclopentane	1.46	1.00			2.29	1.90	1.84
2,4-Dimethylpentane	0.73	0.55			0.73	0.94	0.94
Benzene	3.79	4.11			2.80	3.67	3.56
Cyclohexane	0.78	0.73			4.27	3.89	3.92
2-Methylhexane	1.85	1.42			1.93	1.99	1.99
2,3-Dimethylpentane	1.12	0.91			1.17	1.44	1.42
3-Methylhexane	1.64	1.36			1.73	1.90	1.60
1-Heptene	0.27	0.88			0.22	U	0.48
2,2,4-Trimethylpentane	1.53	1.01			1.21	2.73	2.60
n-Heptane	1.78	1.25			4.28	1.94	1.92
Methylcyclohexane	0.84	0.76			1.46	1.10	1.02
2,2,3-Trimethylpentane	0.22	U	0.18	U	0.21	U	0.46
2,3,4-Trimethylpentane	0.80	0.57			1.13	1.29	1.21
Toluene	9.37	9.36			53.52	33.06	31.84
2-Methylheptane	0.46	0.38			0.65	0.54	0.61
3-Methylheptane	0.45	0.50			0.70	0.61	0.61
1-Octene	ND	ND			ND	0.29	0.27
n-Octane	0.55	0.66			1.53	0.71	0.68
Ethylbenzene	2.34	1.82			5.56	2.48	2.51
m-Xylene/p-Xylene	9.66	7.45			20.03	9.10	8.74
Styrene	0.69	0.74			1.78	0.69	0.28
o-Xylene	3.13	2.23			7.02	3.16	3.01
1-Nonene	ND	ND			0.31	U	0.30
n-Nonane	0.51	0.52			1.46	0.54	0.53
Isopropylbenzene	0.57	0.43			0.79	0.51	0.47
α-Pinene	0.23	U	2.54		0.52	0.35	0.34
n-Propylbenzene	0.34	0.27	U		0.65	0.54	0.50
m-Ethyltoluene	1.02	0.63			1.50	2.05	1.84
p-Ethyltoluene	0.61	0.38			1.04	0.81	0.82
1,3,5-Trimethylbenzene	0.66	0.42			0.99	0.96	0.86
o-Ethyltoluene	ND	ND			ND	ND	ND
β-Pinene	0.74	0.51			1.00	ND	0.38
1,2,4-Trimethylbenzene	1.75	1.05			2.71	2.40	2.21
1-Decene	ND	ND			ND	ND	ND
n-Decane	1.13	0.92			13.27	3.53	3.26
1,2,3-Trimethylbenzene	0.31	0.29			1.96	0.52	0.51
m-Diethylbenzene	ND	ND			ND	ND	ND
p-Diethylbenzene	ND	ND			ND	ND	ND
1-Undecene	ND	ND			ND	ND	ND
n-Undecane	1.61	0.82			46.71	11.52	10.78
1-Dodecene	ND	ND			ND	ND	0.17
n-Dodecane	2.78	0.82			68.30	17.29	16.75
1-Tridecene	ND	ND			ND	ND	ND
n-Tridecane	0.85	0.48	U		15.69	4.58	4.57
TNMOC (speciated)	128.21	111.20			406.86	244.00	237.85
TNMOC (w/ unknowns)	298.29	245.99			646.72	323.92	316.07

U Under detection limit.

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Sample No.:	BAPR 26027 D2	BAPR 26027 R2	BAPR 26127	BAPR 26232	BAPR 26322	BAPR 26397	BAPR 26510
Sampling Date:	2/25/2002	2/25/2002	3/3/2002	3/9/2002	3/15/2002	3/21/2002	3/27/2002
Analysis Date:	3/6/2002	3/6/2002	3/8/2002	3/13/2002	3/25/2002	3/28/2002	4/5/2002
Filename:	L2CE024	L2CF011	L2CG015	L2CM008	L2CY010	L2C-013	L2DE012
Ethylene	5.87	5.89	2.74	5.37	4.49	3.96	5.09
Acetylene	5.43	5.54	1.37	3.26	3.30	3.12	4.29
Ethane	5.08	5.09	3.67	3.47	3.17	3.08	3.94
Propylene	2.78	2.74	1.36	2.55	2.13	1.95	2.46
Propane	24.92	24.81	14.02	16.87	13.01	10.76	17.74
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	18.33	17.90	1.52	2.21	1.88	2.93	3.18
Isobutene/1-Butene	2.58	2.70	1.76	2.16	1.72	1.84	1.95
1,3-Butadiene	0.56	0.66	ND	0.40	0.46	0.40	0.51
n-Butane	6.33	6.39	2.28	3.41	2.93	4.65	5.52
trans-2-Butene	1.08	1.06	0.47	0.77	0.73	1.48	1.29
cis-2-Butene	1.04	1.02	0.47	0.76	0.65	1.23	1.09
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	12.50	12.32	ND	8.40	7.70	14.53	15.76
1-Pentene	0.72	0.63	0.41	0.50	0.40	0.46	0.58
2-Methyl-1-butene	0.51	0.55	0.15	0.52	0.31	0.37	0.40
n-Pentane	6.09	6.06	1.42	2.59	2.32	3.78	4.04
Isoprene	1.63	1.56	1.20	1.49	1.27	1.37	1.80
trans-2-Pentene	1.77	1.82	4.72	3.71	1.42	4.18	3.35
cis-2-Pentene	0.91	0.87	0.44	0.61	0.58	0.83	0.93
2-Methyl-2-butene	1.08	1.15	0.39	1.06	0.78	0.79	1.32
2,2-Dimethylbutane	1.10	1.10	0.82	1.18	1.13	1.53	1.66
Cyclopentene	0.52	0.54	ND	ND	ND	1.06	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.84	0.86	0.47	0.53	0.54	0.68	0.63
2,3-Dimethylbutane	1.43	1.47	0.80	1.13	0.97	1.46	1.56
2-Methylpentane	3.99	4.06	2.62	4.68	3.55	3.20	3.53
3-Methylpentane	2.78	2.72	0.99	1.62	1.83	2.16	2.54
2-Methyl-1-pentene	0.39	0.37	ND	0.23	0.18	0.30	0.27
1-Hexene	0.84	0.78	0.64	0.78	0.63	0.70	0.68
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	6.20	6.14	0.77	1.65	1.93	2.03	1.98
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	0.22	0.22	ND	0.16	ND	ND	0.18
Methylcyclopentane	1.75	1.79	0.89	1.61	1.00	1.20	1.40
2,4-Dimethylpentane	0.92	0.94	0.54	0.63	0.66	0.85	0.88
Benzene	3.64	3.58	2.21	4.58	2.86	2.99	4.87
Cyclohexane	3.27	3.31	0.49	2.08	0.61	0.78	0.87
2-Methylhexane	1.97	1.97	1.57	3.42	1.68	1.91	2.12
2,3-Dimethylpentane	1.33	1.34	1.06	1.21	1.05	1.30	1.31
3-Methylhexane	1.72	1.84	1.23	2.01	1.38	2.06	2.33
1-Heptene	ND	ND	0.34	1.27	0.64	0.42	0.59
2,2,4-Trimethylpentane	2.98	3.03	1.06	1.95	1.33	2.29	2.87
n-Heptane	1.79	1.81	1.36	2.39	1.02	1.45	1.66
Methylcyclohexane	0.98	1.02	0.67	0.80	0.72	0.67	0.88
2,2,3-Trimethylpentane	0.36	0.49	ND	0.54	0.18	0.38	0.54
2,3,4-Trimethylpentane	1.21	1.27	0.47	1.09	0.65	0.94	1.22
Toluene	28.99	28.66	6.51	11.91	8.50	12.59	16.38
2-Methylheptane	0.62	0.62	0.24	0.24	0.43	0.46	0.51
3-Methylheptane	0.59	0.63	0.30	0.39	0.40	0.50	0.59
1-Octene	ND	ND	ND	0.38	0.16	ND	0.14
n-Octane	0.70	0.68	0.38	0.65	0.41	0.53	0.73
Ethylbenzene	2.65	2.51	2.13	2.69	2.15	2.13	2.74
m-Xylene/p-Xylene	8.94	8.86	8.65	9.93	8.02	9.19	11.10
Styrene	0.72	0.78	1.07	7.19	0.87	0.76	1.18
o-Xylene	3.10	3.12	2.47	3.25	2.55	2.87	4.06
1-Nonene	ND	ND	ND	ND	ND	ND	ND
n-Nonane	0.52	0.49	0.41	0.59	0.35	0.74	1.89
Isopropylbenzene	0.56	0.49	0.66	0.67	0.63	0.51	0.52
à-Pinene	0.16	ND	ND	ND	ND	ND	0.21
n-Propylbenzene	0.51	0.48	0.21	0.42	0.41	0.46	0.74
m-Ethyltoluene	2.91	2.72	0.48	1.16	1.02	1.03	1.72
p-Ethyltoluene	0.87	0.79	0.36	0.71	0.61	0.62	1.05
1,3,5-Trimethylbenzene	1.01	0.89	0.38	0.77	0.65	0.79	1.04
o-Ethyltoluene	ND	ND	ND	ND	ND	ND	ND
b-Pinene	0.34	ND	ND	ND	0.76	0.73	0.71
1,2,4-Trimethylbenzene	2.55	2.17	1.03	2.10	1.77	1.84	3.52
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	2.55	2.39	1.89	1.23	1.02	1.42	5.08
1,2,3-Trimethylbenzene	0.59	0.52	0.20	0.49	0.35	0.46	0.64
m-Diethylbenzene	ND	ND	ND	ND	ND	ND	ND
p-Diethylbenzene	ND	ND	ND	ND	ND	ND	0.42
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	4.02	3.72	5.60	2.08	0.66	1.20	3.25
1-Dodecene	ND	ND	ND	ND	ND	ND	ND
n-Dodecane	5.78	3.11	6.83	4.93	1.32	1.08	2.03
1-Tridecene	ND	ND	ND	0.65	0.18	ND	ND
n-Tridecane	2.05	1.06	1.97	2.70	0.80	0.66	0.73
TNMOC (speciated)	210.16	204.10	99.15	150.79	107.81	132.64	170.55
TNMOC (w/ unknowns)	468.48	446.98	252.44	385.84	227.92	236.45	360.50

U Under detection limit.

Barceloneta, Puerto Rico (BAPR) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	BAPR 26585	BAPR 26679	BAPR 26901	BAPR 26995	BAPR 27111 D1	BAPR 27111 R1	BAPR 27113 D2
Sampling Date:	4/2/2002	4/8/2002	4/14/2002	4/20/2002	4/26/2002	4/26/2002	4/26/2002
Analysis Date:	4/8/2002	4/12/2002	5/1/2002	5/1/2002	5/6/2002	5/8/2002	5/7/2002
Filename:	L2DH004	L2DK015	L2EA007	L2EA008	L2EF011	L2EH005	L2EF012
Ethylene	2.88	0.96	4.54	3.84	3.30	3.37	3.34
Acetylene	1.88	0.67	1.39	2.76	2.28	2.38	2.23
Ethane	5.47	2.93	3.58	3.19	2.80	2.95	2.88
Propylene	1.86	0.64	2.11	2.06	1.62	1.76	1.70
Propane	70.19	3.87	13.50	19.39	13.85	14.19	13.52
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	2.12	0.56	1.47	2.71	2.47	2.50	2.41
Isobutene/1-Butene	1.21	0.87	1.76	1.64	1.61	1.40	1.59
1,3-Butadiene	0.23 U	ND	ND	0.36	ND	ND	ND
n-Butane	4.60	0.95	2.36	3.55	3.50	3.63	3.51
trans-2-Butene	0.49	0.31	0.58	0.72	0.65	0.69	0.73
cis-2-Butene	0.59	0.41	0.72	0.81	0.71	0.72	0.80
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	5.13	1.63	4.20	8.08	7.73	7.89	7.55
1-Pentene	0.42	0.36	0.67	0.61	0.51	0.78	0.58
2-Methyl-1-butene	0.21 U	ND	ND	ND	ND	0.26	ND
n-Pentane	1.75	0.60	2.17	2.73	2.37	2.45	2.37
Isoprene	1.08	0.76	1.19	0.93	1.68	1.83	1.60
trans-2-Pentene	1.48	1.40	3.60	1.80	1.47	1.46	1.41
cis-2-Pentene	0.43	0.32	0.68	0.77	0.75	0.72	0.76
2-Methyl-2-butene	0.30	ND	0.55	0.31	ND	0.36	0.33
2,2-Dimethylbutane	0.86	0.55	1.40	1.85	1.82	2.01	1.79
Cyclopentene	ND	0.27	ND	ND	ND	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.48	0.31	0.75	0.72	0.71	0.90	0.87
2,3-Dimethylbutane	0.76	0.50	1.19	1.46	1.39	1.49	1.42
2-Methylpentane	1.97	0.81	4.12	3.62	2.47	2.53	2.38
3-Methylpentane	1.33	0.63	1.48	1.96	2.04	2.14	1.91
2-Methyl-1-pentene	0.17 U	ND	ND	ND	ND	ND	ND
1-Hexene	0.59	0.61	1.14	1.13	1.04	1.02	0.92
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.99	0.50	1.30	1.67	1.60	1.74	1.52
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.72	0.42	2.81	1.19	1.08	1.11	1.00
2,4-Dimethylpentane	0.49	0.40	0.81	1.04	0.87	1.05	0.86
Benzene	1.66	0.69	1.39	2.06	1.79	2.02	1.70
Cyclohexane	0.57	0.47	1.15	1.10	1.12	1.14	1.01
2-Methylhexane	1.50	0.95	2.38	2.89	2.57	2.74	2.53
2,3-Dimethylpentane	1.04	0.76	1.80	1.91	1.74	1.84	1.56
3-Methylhexane	0.93	1.20	ND	ND	2.82	3.02	2.57
1-Heptene	0.38	0.18 U	1.02	1.12	0.29	0.40	0.36
2,2,4-Trimethylpentane	1.02	0.42	1.05	0.87	1.04	1.01	0.96
n-Heptane	1.15	0.35	1.20	2.70	2.22	2.14	2.05
Methylcyclohexane	1.48	0.40	1.37	1.27	0.89	0.92	0.95
2,2,3-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND
2,3,4-Trimethylpentane	0.42	0.24	0.64	0.61	0.63	0.73	0.64
Toluene	7.72	2.74	6.33	9.09	7.23	7.58	7.09
2-Methylheptane	0.35	0.15 U	0.57	0.58	0.69	0.65	0.62
3-Methylheptane	0.33	0.23	0.50	0.81	0.67	0.72	0.65
1-Octene	ND	0.18 U	0.70	ND	ND	ND	ND
n-Octane	0.40	0.25	0.90	0.82	0.85	0.81	0.80
Ethylbenzene	1.21	1.13	1.96	1.95	1.35	1.57	1.48
m-Xylene/p-Xylene	4.67	4.73	6.86	7.39	5.13	5.40	4.98
Styrene	0.66	0.84	13.03	1.08	0.83	0.80	0.72
o-Xylene	1.42	1.30	2.39	2.49	1.76	1.88	1.73
1-Nonene	ND	ND	ND	ND	ND	ND	ND
n-Nonane	0.39	0.23	0.90	0.78	0.56	0.64	0.74
Isopropylbenzene	0.33	0.49	1.01	0.87	0.63	0.62	0.74
α-Pinene	0.81	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.23 U	0.17 U	0.83	0.50	0.56	0.58	0.52
m-Ethyltoluene	0.55	0.27	0.99	1.28	1.08	1.11	1.11
p-Ethyltoluene	0.40	0.25 U	0.81	0.74	0.89	0.85	0.86
1,3,5-Trimethylbenzene	0.40	ND	0.81	0.67	0.81	0.75	0.85
o-Ethyltoluene	ND	ND	ND	ND	0.65	0.70	ND
β-Pinene	ND	0.60	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.90	0.67	2.04	2.15	1.94	1.81	1.94
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.86	0.64	1.70	1.25	0.93	3.18	0.56
1,2,3-Trimethylbenzene	0.53	0.21	0.69	0.58	0.50	ND	0.52
m-Diethylbenzene	ND	ND	ND	ND	ND	ND	ND
p-Diethylbenzene	ND	ND	ND	ND	ND	ND	ND
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	1.20	1.38	1.81	1.58	1.38	1.39	0.87
1-Dodecene	ND	ND	ND	ND	ND	ND	ND
n-Dodecane	1.58	2.33	2.56	3.33	1.95	1.96	0.76
1-Tridecene	ND	ND	0.45 U	ND	ND	ND	ND
n-Tridecane	0.67 U	0.77	1.12	1.84	0.92	1.10	ND
TNMOC (speciated)	146.38	47.45	121.02	125.18	106.71	113.34	101.83
TNMOC (w/ unknowns)	326.75	125.54	274.80	180.66	134.50	370.53	498.85

U Under detection limit.

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Sample No.:	BAPR 27113 R2	BAPR 27318	BAPR 27444	BAPR 27517 D1	BAPR 27517 R1	BAPR 27519 D2	BAPR 27519 R2
Sampling Date:	4/26/2002	5/2/2002	5/8/2002	5/14/2002	5/14/2002	5/14/2002	5/14/2002
Analysis Date:	5/8/2002	5/8/2002	5/15/2002	5/21/2002	5/22/2002	5/21/2002	5/22/2002
Filename:	L2EH006	L2EF023	L2EN020	L2ET017	L2EU015	L2ET018	L2EU016
Ethylene	3.37	1.73	3.50	2.57	2.81	2.06	2.10
Acetylene	2.51	1.91	2.80	1.13	1.18	1.09	1.17
Ethane	2.91	2.26	2.46	2.22	2.34	2.39	2.47
Propylene	1.78	1.84	1.62	1.17	1.21	0.96	0.95
Propane	13.92	12.48	17.68	7.21	7.45	7.19	7.54
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	2.45	2.28	3.50	1.91	2.09	1.62	1.61
Isobutene/1-Butene	1.60	1.51	1.70	1.18	1.20	1.20	1.11
1,3-Butadiene	ND	ND	0.31	ND	ND	ND	ND
n-Butane	3.62	3.53	5.63	2.94	3.14	2.50	2.58
trans-2-Butene	0.63	0.49	1.17	0.30	0.39	0.32	0.33
cis-2-Butene	0.86	0.58	1.05	0.41	0.46	0.49	0.50
3-Methyl-1-butene	ND	ND	0.28	ND	ND	ND	ND
Isopentane	7.62	7.32	24.78	5.08	5.30	4.13	4.65
1-Pentene	0.62	0.53	0.87	0.46	0.45	0.38	0.41
2-Methyl-1-butene	0.29	ND	0.55	ND	ND	ND	ND
n-Pentane	2.41	2.40	7.29	1.68	1.62	1.47	1.46
Isoprene	1.75	1.54	1.54	4.19	4.18	3.38	3.49
trans-2-Pentene	1.54	2.93	6.73	2.38	2.53	2.26	2.41
cis-2-Pentene	0.81	0.51	1.68	0.43	0.43	0.41	0.45
2-Methyl-2-butene	0.31	0.43	1.71	ND	ND	ND	ND
2,2-Dimethylbutane	1.95	1.53	4.25	1.08	1.11	1.01	1.03
Cyclopentene	ND	ND	ND	ND	ND	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.89	0.59	1.42	0.40	0.51	0.35	0.47
2,3-Dimethylbutane	1.47	1.05	2.86	0.71	0.87	0.75	0.76
2-Methylpentane	2.57	3.13	9.38	1.76	1.58	1.21	1.30
3-Methylpentane	2.03	1.84	6.14	1.41	1.36	1.01	1.21
2-Methyl-1-pentene	ND	ND	0.54	ND	ND	ND	ND
1-Hexene	1.02	0.75	1.10	0.65	0.71	0.64	0.69
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	1.64	1.52	5.06	1.21	1.29	1.17	1.20
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	0.58	ND	ND	ND	ND
Methylcyclopentane	1.16	0.96	3.35	0.59	0.63	0.49	0.58
2,4-Dimethylpentane	0.87	0.73	1.27	0.51	0.56	0.47	0.55
Benzene	1.86	1.52	2.48	1.01	1.10	1.12	1.13
Cyclohexane	0.95	0.86	1.56	10.31	10.68	4.01	4.07
2-Methylhexane	2.55	1.84	3.98	1.55	1.45	1.23	1.31
2,3-Dimethylpentane	1.75	1.59	1.94	1.10	1.37	0.90	0.92
3-Methylhexane	2.62	1.76	4.22	1.33	1.21	1.18	1.68
1-Heptene	ND	0.19	0.76	0.31	0.28	0.30	0.27
2,2,4-Trimethylpentane	1.07	0.92	0.95	0.69	0.72	0.48	0.56
n-Heptane	2.17	1.66	2.84	0.95	1.01	0.88	0.97
Methylcyclohexane	1.04	1.19	1.67	0.80	0.79	0.65	0.61
2,2,3-Trimethylpentane	ND	ND	0.39	ND	ND	ND	ND
2,3,4-Trimethylpentane	0.53	0.44	1.11	0.34	0.38	0.31	0.35
Toluene	7.37	8.47	14.77	5.42	5.63	5.04	5.24
2-Methylheptane	0.65	0.35	1.53	0.62	0.68	0.41	0.38
3-Methylheptane	0.70	0.46	1.65	0.64	0.58	0.40	0.44
1-Octene	ND	ND	ND	ND	0.24	ND	0.24
n-Octane	0.82	0.62	1.37	1.13	1.23	0.78	0.79
Ethylbenzene	1.48	2.00	3.97	1.08	0.98	0.86	0.82
m-Xylene/p-Xylene	5.19	7.71	16.49	3.28	3.41	3.19	3.36
Styrene	0.76	1.41	0.73	4.31	4.07	0.78	0.67
o-Xylene	1.90	2.40	5.47	1.21	1.19	1.02	1.17
1-Nonene	ND	ND	ND	ND	ND	ND	ND
n-Nonane	0.75	0.59	0.82	0.76	0.72	0.53	0.50
Isopropylbenzene	0.75	0.75	0.74	0.36	0.35	0.31	0.42
α-Pinene	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.50	0.48	1.13	0.45	0.42	0.37	0.33
m-Ethyltoluene	1.22	1.00	3.44	0.67	0.83	0.57	0.62
p-Ethyltoluene	0.89	0.66	1.64	0.57	0.56	0.41	0.45
1,3,5-Trimethylbenzene	0.40	0.72	1.99	0.60	0.59	0.40	0.39
o-Ethyltoluene	ND	ND	ND	0.45	0.45	0.37	0.37
β-Pinene	ND	ND	ND	ND	ND	0.91	ND
1,2,4-Trimethylbenzene	1.86	1.74	5.29	1.79	1.73	1.07	1.15
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	2.95	2.50	1.61	1.22	1.22	0.84	0.77
1,2,3-Trimethylbenzene	0.68	0.44	1.09	1.02	0.44	0.29	0.23
m-Diethylbenzene	ND	ND	ND	ND	ND	ND	ND
p-Diethylbenzene	ND	ND	ND	ND	ND	ND	ND
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.98	0.64	1.42	2.17	2.06	0.98	0.99
1-Dodecene	0.64	0.51	0.60	ND	ND	ND	ND
n-Dodecane	0.88	1.00	3.42	3.30	3.04	1.39	1.31
1-Tridecene	ND	ND	ND	0.19	ND	0.21	ND
n-Tridecane	0.26	0.35	1.06	1.42	1.50	0.47	0.42
TNMOC (speciated)	108.72	103.08	214.87	94.59	96.30	71.62	73.90
TNMOC (w/ unknowns)	298.29	255.64	340.75	235.05	227.12	118.39	124.64

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Sample No.:	BAPR 27633	BAPR 27747	BAPR 27826	BAPR 27915	BAPR 28002	BAPR 28212	BAPR 28338 D1
Sampling Date:	5/20/2002	5/26/2002	6/1/2002	6/7/2002	6/13/2002	6/19/2002	6/25/2002
Analysis Date:	5/24/2002	5/31/2002	6/6/2002	7/2/2002	7/13/2002	7/13/2002	7/25/2002
Filename:	L2EW018	L2E%008	L2FE010	L2GB008	L2GL021	L2GL023	N2GX017
Ethylene	2.10	2.36	3.00	3.05	3.30	2.89	2.83
Acetylene	0.85	1.59	2.08	2.17	1.58	1.55	2.57
Ethane	1.95	2.24	1.57	2.93	2.28	1.76	1.91
Propylene	0.80	1.19	1.51	1.46	1.84	1.43	1.37
Propane	8.93	15.76	18.68	18.82	12.97	9.52	17.91
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	2.63	2.38	2.09	2.53	1.83	1.65	2.19
Isobutene/1-Butene	0.98	1.17	1.26	1.29	1.84	1.28	1.48
1,3-Butadiene	ND	0.19 U	0.19 U	0.23 U	ND	ND	ND
n-Butane	3.53	4.90	3.06	4.62	3.23	3.42	4.72
trans-2-Butene	0.39	0.39	0.36	0.40	0.61	0.59	0.52
cis-2-Butene	0.51	0.47	0.43	0.51	0.80	0.78	0.61
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	5.87	5.28	5.89	7.28	5.63	5.76	7.48
1-Pentene	0.35	0.50	0.36	0.41	0.78	0.63	0.50
2-Methyl-1-butene	ND	ND	ND	0.24	ND	0.26	0.45
n-Pentane	2.16	1.65	1.87	3.19	2.34	2.20	2.80
Isoprene	2.48	1.92	1.51	2.80	3.12	2.51	3.82
trans-2-Pentene	8.67	4.00	0.45	4.70	3.38	7.29	0.72
cis-2-Pentene	0.53	0.46	0.37	0.43	0.74	0.65	0.63
2-Methyl-2-butene	0.94	ND	0.19 U	0.24	ND	0.36	0.56
2,2-Dimethylbutane	1.48	1.62	1.83	1.86	1.65	1.36	1.34
Cyclopentene	ND	0.23 U	ND	0.19 U	ND	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.99	0.66	0.46	0.62	0.85	0.60	1.06
2,3-Dimethylbutane	0.60	1.03	0.86	1.05	1.33	1.20	1.30
2-Methylpentane	2.61	1.96	2.10	2.67	2.38	2.17	2.20
3-Methylpentane	1.48	1.21	1.45	2.32	2.03	1.72	1.79
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.70	0.82	0.55	0.76	1.38	1.03	0.88
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	1.87	1.27	1.42	2.55	1.94	1.58	1.83
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.75	0.67	0.69	0.91	1.01	0.99	1.18
2,4-Dimethylpentane	0.60	0.59	0.46	0.53	0.92	0.74	0.76
Benzene	1.22	1.42	1.45	1.50	1.53	1.21	1.78
Cyclohexane	0.94	0.74	0.68	1.05	1.04	1.64	1.65
2-Methylhexane	1.19	2.09	1.50	2.29	1.50	1.55	2.47
2,3-Dimethylpentane	0.98	1.25	0.97	1.30	1.32	1.23	2.47
3-Methylhexane	1.11	2.21	2.21	3.67	2.83	1.93	1.51
1-Heptene	ND	0.58	0.28	1.89	0.47	ND	ND
2,2,4-Trimethylpentane	0.68	0.57	0.58	0.65	1.04	0.97	1.35
n-Heptane	0.86	2.07	1.26	3.81	1.53	1.31	1.06
Methylcyclohexane	0.64	0.71	0.58	1.40	0.90	1.07	0.72
2,2,3-Trimethylpentane	ND	ND	0.15 U	0.28	ND	ND	ND
2,3,4-Trimethylpentane	0.45	0.43	0.32	0.39	0.62	0.51	0.61
Toluene	7.38	6.54	6.96	8.47	6.35	6.63	7.90
2-Methylheptane	0.57	0.36	0.46	0.93	0.50	0.40	0.66
3-Methylheptane	0.55	0.49	0.44	1.01	0.67	0.43	0.68
1-Octene	ND	ND	ND	ND	ND	ND	ND
n-Octane	0.81	0.57	0.58	2.07	0.80	0.49	0.99
Ethylbenzene	1.51	2.79	1.65	1.71	1.13	1.06	1.78
m-Xylene/p-Xylene	8.19	10.54	6.55	6.52	4.23	4.28	6.47
Styrene	0.51	0.60	0.74	0.84	1.28	0.42	0.55
o-Xylene	2.05	3.32	2.27	2.14	1.39	1.19	2.29
1-Nonene	ND	ND	ND	ND	ND	ND	ND
n-Nonane	0.59	0.67	0.35	1.72	0.64	0.48	0.86
Isopropylbenzene	0.54	0.52	0.50	0.43	0.49	0.55	0.96
à-Pinene	ND	ND	0.33	ND	ND	ND	0.44
n-Propylbenzene	0.38	0.35	0.41	0.44	0.45	0.42	0.81
m-Ethyltoluene	0.77	0.73	0.85	0.86	0.62	0.63	1.18
p-Ethyltoluene	0.44	0.46	0.59	0.70	0.46	0.48	0.77
1,3,5-Trimethylbenzene	0.56	0.63	0.57	0.88	0.60	0.55	0.76
o-Ethyltoluene	ND	ND	ND	0.58	3.38	0.48	ND
b-Pinene	1.33	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	1.26	1.33	1.57	1.65	1.35	1.17	2.13
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	1.00	1.41	0.69	3.12	1.08	73.04	2.21
1,2,3-Trimethylbenzene	0.35	ND	0.36	0.35	0.40	0.34	0.58
m-Diethylbenzene	ND	ND	ND	ND	ND	ND	0.50
p-Diethylbenzene	ND	ND	ND	0.28	ND	ND	ND
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	1.00	2.00	0.45	1.19	1.36	187.63	1.26
1-Dodecene	0.23 U	0.34 U	0.18 U	0.12 U	0.53 U	ND	ND
n-Dodecane	1.35	1.88	0.57 U	0.96	1.67	81.32	0.51 U
1-Tridecene	ND	ND	ND	ND	ND	ND	1.42
n-Tridecane	0.40 U	0.83	0.16 U	0.25 U	0.35 U	5.63	8.84
TNMOC (speciated)	94.56	104.90	91.84	126.17	102.22	434.95	123.54
TNMOC (w/ unknowns)	245.56	153.09	161.67	174.40	147.44	479.61	132.06

U Under detection limit.

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Sample No.:	BAPR 28338 R1	BAPR 28340 D2	BAPR 28340 R2	BAPR 28472	BAPR 28562	BAPR 28743	BAPR 28848
Sampling Date:	6/25/2002	6/25/2002	6/25/2002	7/1/2002	7/7/2002	7/13/2002	7/19/2002
Analysis Date:	8/14/2002	7/25/2002	8/14/2002	8/2/2002	8/2/2002		8/10/2002
Filename:	L2HM012	N2GX018	L2HM013	L2HA004	L2HB010	VOID	L2HI017
Ethylene	3.81	3.14	2.65	2.93	7.32		5.09
Acetylene	2.43	2.72	1.51	1.51	2.15		2.46
Ethane	2.61	2.00	1.74	1.87	2.25		3.30
Propylene	1.95	1.43	1.43	1.55	1.81		2.89
Propane	21.22	18.66	13.47	9.30	9.88		17.14
Propyne	ND	ND	ND	ND	ND		ND
Isobutane	2.86	2.19	1.75	1.30	1.44		3.81
Isobutene/1-Butene	2.24	1.29	1.48	1.49	1.56		3.15
1,3-Butadiene	0.28	ND	0.24	U	0.36		0.38
n-Butane	5.96	4.90	3.56	2.94	3.00		5.76
trans-2-Butene	1.14	0.64	0.74	0.54	0.65		1.97
cis-2-Butene	1.23	0.65	0.73	0.73	0.82		2.30
3-Methyl-1-butene	ND	ND	ND	ND	ND		ND
Isopentane	9.13	7.60	5.28	13.63	4.81		ND
1-Pentene	0.90	0.74	0.56	ND	ND		ND
2-Methyl-1-butene	0.58	0.37	0.40	0.49	ND		1.65
n-Pentane	3.75	2.42	1.92	2.75	2.32		3.67
Isoprene	4.76	3.99	2.72	2.74	2.59		3.42
trans-2-Pentene	1.98	0.72	1.24	4.91	1.61		7.25
cis-2-Pentene	1.21	0.59	0.71	0.68	0.70		2.16
2-Methyl-2-butene	0.61	0.44	0.37	0.50	0.31		0.83
2,2-Dimethylbutane	2.10	1.32	1.55	1.39	1.46		3.28
Cyclopentene	ND	ND	ND	ND	ND		ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND		ND
Cyclopentane	1.13	1.02	0.67	0.70	0.76		1.96
2,3-Dimethylbutane	2.48	1.34	1.50	1.50	1.42		3.67
2-Methylpentane	3.93	2.25	2.77	2.26	1.87		3.35
3-Methylpentane	2.84	2.19	1.75	1.52	1.48		3.91
2-Methyl-1-pentene	ND	ND	ND	ND	ND		ND
1-Hexene	1.42	0.97	1.21	1.07	1.13		2.99
2-Ethyl-1-butene	ND	ND	ND	ND	ND		ND
n-Hexane	2.53	1.84	1.66	1.47	1.60		3.39
trans-2-Hexene	ND	ND	ND	ND	ND		ND
cis-2-Hexene	ND	ND	ND	ND	ND		ND
Methylcyclopentane	1.65	0.96	1.05	1.05	1.00		2.38
2,4-Dimethylpentane	1.39	0.72	0.87	0.88	0.86		2.68
Benzene	4.50	1.84	2.83	5.68	4.81		4.48
Cyclohexane	2.61	1.32	1.49	1.31	1.10		3.22
2-Methylhexane	2.24	2.94	1.55	1.84	2.48		3.59
2,3-Dimethylpentane	2.03	1.95	1.39	1.22	1.70		4.02
3-Methylhexane	1.84	1.72	1.20	1.19	2.91		2.24
1-Heptene	ND	ND	0.30	0.52	1.46		1.15
2,2,4-Trimethylpentane	1.72	1.89	0.97	0.98	0.91		2.98
n-Heptane	1.35	1.06	0.87	0.97	2.40		2.01
Methylcyclohexane	1.33	0.84	0.88	0.75	0.90		2.05
2,2,3-Trimethylpentane	ND	ND	ND	ND	0.25		ND
2,3,4-Trimethylpentane	1.24	0.78	0.71	0.66	0.69		1.90
Toluene	7.35	8.00	4.35	7.11	6.32		7.13
2-Methylheptane	0.81	0.58	0.53	0.50	0.45		1.46
3-Methylheptane	0.90	0.84	0.59	0.51	0.58		1.47
1-Octene	ND	ND	0.19	U	ND		ND
n-Octane	0.91	0.81	0.61	0.70	0.64		1.50
Ethylbenzene	2.01	1.91	1.13	1.48	1.60		2.00
m-Xylene/p-Xylene	5.76	6.39	3.82	5.36	5.91		6.56
Styrene	0.98	0.47	1.21	1.64	1.70		1.23
o-Xylene	2.18	2.34	1.32	1.72	1.91		2.43
1-Nonene	ND	ND	ND	ND	ND		ND
n-Nonane	0.81	0.89	0.54	0.47	0.56		1.28
Isopropylbenzene	0.89	2.66	0.62	0.59	0.64		1.83
α-Pinene	1.08	ND	0.53	0.76	0.69		0.93
n-Propylbenzene	0.76	0.73	0.44	0.40	0.40		1.02
m-Ethyltoluene	1.24	1.17	0.71	0.63	0.62		1.34
p-Ethyltoluene	1.05	0.80	0.59	0.51	0.61		1.49
1,3,5-Trimethylbenzene	1.06	0.76	0.57	0.50	0.55		1.32
o-Ethyltoluene	1.11	ND	0.57	0.48	0.53		1.32
β-Pinene	ND	ND	ND	ND	2.43		0.80
1,2,4-Trimethylbenzene	2.42	2.34	1.46	1.39	1.33		2.66
1-Decene	ND	ND	ND	ND	ND		ND
n-Decane	1.60	1.54	1.02	0.87	1.24		2.47
1,2,3-Trimethylbenzene	1.82	0.62	0.79	0.40	0.37		1.18
m-Diethylbenzene	ND	0.49	ND	ND	ND		ND
p-Diethylbenzene	0.37	0.41	0.28	ND	ND		ND
1-Undecene	ND	ND	ND	ND	ND		ND
n-Undecane	1.71	0.42	1.03	0.84	1.33		3.53
1-Dodecene	ND	ND	0.34	U	0.59	U	ND
n-Dodecane	1.40	ND	0.84	0.69	U	1.61	3.34
1-Tridecene	ND	ND	ND	ND	ND		ND
n-Tridecane	ND	ND	ND	0.19	U	0.44	U
TNMOC (speciated)	145.18	115.61	91.78	105.13	107.79		171.41
TNMOC (w/ unknowns)	179.25	124.27	138.40	171.39	185.84		263.56

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Sample No.:	BAPR 28955	BAPR 29042	BAPR 29093	BAPR 29219	BAPR 29286	BAPR 29884 D1	BAPR 29886 D2
Sampling Date:	7/25/2002	7/31/2002	8/6/2002	8/12/2002	8/18/2002	8/24/2002	8/24/2002
Analysis Date:	8/14/2002	8/31/2002	9/3/2002				
Filename:	L2HM024	L2HS015	L2IC006	VOID	VOID	VOID	VOID
Ethylene	2.63	5.40	5.26				
Acetylene	1.23	2.62	3.91				
Ethane	2.04	2.59	2.25				
Propylene	1.38	3.14	2.79				
Propane	10.05	22.89	20.56				
Propyne	ND	ND	ND				
Isobutane	2.52	2.19	2.18				
Isobutene/1-Butene	1.56	3.90	2.54				
1,3-Butadiene	0.22 U	0.28	0.59				
n-Butane	2.80	7.07	6.36				
trans-2-Butene	0.71	0.89	0.92				
cis-2-Butene	0.76	1.10	1.01				
3-Methyl-1-butene	ND	ND	ND				
Isopentane	3.96	52.35	12.91				
1-Pentene	ND	ND	0.88				
2-Methyl-1-butene	0.44	1.01	1.41				
n-Pentane	3.26	2.48	4.75				
Isoprene	2.80	3.52	3.10				
trans-2-Pentene	8.07	1.31	2.24				
cis-2-Pentene	0.76	0.97	1.18				
2-Methyl-2-butene	0.31	0.79	1.92				
2,2-Dimethylbutane	1.27	1.41	1.59				
Cyclopentene	ND	ND	0.47				
4-Methyl-1-pentene	ND	ND	ND				
Cyclopentane	0.57	0.82	0.90				
2,3-Dimethylbutane	1.24	1.71	1.95				
2-Methylpentane	1.87	5.72	4.55				
3-Methylpentane	1.39	1.94	3.11				
2-Methyl-1-pentene	ND	ND	0.31				
1-Hexene	1.15	1.18	0.86				
2-Ethyl-1-butene	ND	ND	ND				
n-Hexane	1.29	2.02	2.41				
trans-2-Hexene	ND	ND	0.63				
cis-2-Hexene	ND	ND	0.28				
Methylcyclopentane	0.84	1.94	2.01				
2,4-Dimethylpentane	0.88	1.11	1.17				
Benzene	3.47	2.73	5.06				
Cyclohexane	1.05	1.24	1.33				
2-Methylhexane	1.42	2.88	3.34				
2,3-Dimethylpentane	1.35	1.29	1.87				
3-Methylhexane	1.00	1.46	3.74				
1-Heptene	ND	0.46	ND				
2,2,4-Trimethylpentane	1.16	1.63	4.29				
n-Heptane	0.91	1.01	2.77				
Methylcyclohexane	0.84	1.07	1.33				
2,2,3-Trimethylpentane	ND	0.31	0.55				
2,3,4-Trimethylpentane	0.65	1.01	1.61				
Toluene	9.00	7.20	11.45				
2-Methylheptane	0.45	0.65	1.09				
3-Methylheptane	0.58	0.73	1.22				
1-Octene	0.25	ND	ND				
n-Octane	0.75	0.85	1.02				
Ethylbenzene	1.99	1.73	2.48				
m-Xylene/p-Xylene	5.95	4.66	8.34				
Styrene	1.43	2.72	1.10				
o-Xylene	1.64	1.97	3.10				
1-Nonene	ND	ND	ND				
n-Nonane	0.55	0.96	0.67				
Isopropylbenzene	0.66	0.62	0.63				
α-Pinene	1.09	2.52	0.68				
n-Propylbenzene	0.46	0.56	0.68				
m-Ethyltoluene	0.68	1.05	2.11				
p-Ethyltoluene	0.57	0.60	1.12				
1,3,5-Trimethylbenzene	0.43	0.95	1.29				
o-Ethyltoluene	0.52	0.88	1.12				
β-Pinene	0.68	2.57	0.68				
1,2,4-Trimethylbenzene	1.36	2.08	3.44				
1-Decene	ND	ND	ND				
n-Decane	0.92	2.12	0.98				
1,2,3-Trimethylbenzene	0.67	2.06	0.78				
m-Diethylbenzene	ND	ND	ND				
p-Diethylbenzene	0.21	ND	0.63				
1-Undecene	ND	ND	ND				
n-Undecane	1.21	1.54	0.60				
1-Dodecene	0.45 U	ND	0.39				U
n-Dodecane	1.31	0.65 U	0.60				U
1-Tridecene	ND	ND	ND				
n-Tridecane	0.40 U	ND	0.22				U
TNMOC (speciated)	102.07	187.09	169.27				
TNMOC (w/ unknowns)	185.38	370.53	498.85				

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Sample No.:	BAPR 29592	BAPR 29737	BAPR 29835 D1	BAPR 29837 D2	BAPR 29895	BAPR 29970	BAPR 30067
Sampling Date:	8/30/2002	9/5/2002	9/11/2002	9/11/2002	9/17/2002	9/23/2002	9/29/2002
Analysis Date:	9/23/2002	10/5/2002			10/16/2002	10/16/2002	10/18/2002
Filename:	L2IW010	L2JD022	VOID	VOID	L2JP008	L2JP018	L2JQ020
Ethylene	5.99	5.44			5.29	5.27	5.88
Acetylene	4.40	3.81			3.89	2.40	4.06
Ethane	2.46	3.18			3.05	2.04	3.37
Propylene	2.97	2.47			2.64	2.67	2.84
Propane	28.22	22.06			75.45	21.97	46.81
Propyne	ND	ND			ND	ND	ND
Isobutane	2.29	2.82			3.44	3.05	5.25
Isobutene/1-Butene	2.28	1.96			1.99	2.31	2.27
1,3-Butadiene	0.48	0.35			0.47	0.39	0.48
n-Butane	6.34	7.73			6.17	6.70	7.88
trans-2-Butene	0.74	0.75			0.75	0.92	0.97
cis-2-Butene	0.85	0.92			0.91	1.02	1.17
3-Methyl-1-butene	ND	ND			ND	ND	ND
Isopentane	10.05	11.42			8.63	12.23	11.85
1-Pentene	ND	0.30			ND	0.46	0.67
2-Methyl-1-butene	0.44	0.56			0.30	0.48	0.47
n-Pentane	3.42	3.52			2.76	3.18	3.86
Isoprene	2.13	2.81			3.18	3.86	5.15
trans-2-Pentene	2.57	1.22			1.87	1.32	1.36
cis-2-Pentene	0.82	0.88			0.78	0.96	0.96
2-Methyl-2-butene	0.74	0.61			0.59	0.73	0.78
2,2-Dimethylbutane	1.48	1.59			1.59	1.73	1.97
Cyclopentene	ND	1.39			ND	0.86	ND
4-Methyl-1-pentene	ND	ND			ND	ND	ND
Cyclopentane	0.80	0.97			0.89	1.32	1.23
2,3-Dimethylbutane	1.55	1.67			1.65	1.74	1.98
2-Methylpentane	3.81	3.17			2.40	2.55	3.67
3-Methylpentane	3.03	3.98			2.38	5.07	3.47
2-Methyl-1-pentene	0.21	U			ND	ND	ND
1-Hexene	1.00	0.90			1.12	1.47	1.34
2-Ethyl-1-butene	ND	ND			ND	ND	ND
n-Hexane	2.58	1.96			2.29	2.04	3.66
trans-2-Hexene	0.32	ND			ND	0.73	ND
cis-2-Hexene	ND	ND			ND	ND	ND
Methylcyclopentane	1.42	1.44			1.34	1.56	1.96
2,4-Dimethylpentane	0.84	1.21			1.11	1.07	1.26
Benzene	2.90	2.18			2.30	2.09	3.11
Cyclohexane	0.84	1.18			1.14	1.48	4.94
2-Methylhexane	1.80	3.10			2.30	2.67	2.72
2,3-Dimethylpentane	1.32	1.97			1.94	2.13	2.45
3-Methylhexane	3.00	4.51			0.82	4.99	0.71
1-Heptene	1.13	0.31			ND	ND	ND
2,2,4-Trimethylpentane	2.03	2.11			2.83	3.34	4.81
n-Heptane	1.75	1.51			1.55	1.94	1.59
Methylcyclohexane	1.32	1.46			0.99	1.19	1.21
2,2,3-Trimethylpentane	ND	ND			ND	ND	0.45
2,3,4-Trimethylpentane	0.84	0.82			0.98	1.37	1.39
Toluene	10.27	11.92			9.18	9.63	16.93
2-Methylheptane	0.65	1.13			0.87	1.60	0.93
3-Methylheptane	0.73	0.80			0.84	0.97	1.01
1-Octene	0.50	ND			ND	ND	ND
n-Octane	0.86	1.09			0.99	1.08	1.20
Ethylbenzene	2.28	1.59			2.04	2.07	2.36
m-Xylene/p-Xylene	7.81	4.88			5.64	6.09	7.43
Styrene	1.12	0.93			0.87	2.89	0.65
o-Xylene	2.78	1.80			2.05	2.48	3.03
1-Nonene	0.37	ND			ND	ND	ND
n-Nonane	0.50	0.52			0.67	0.90	0.84
Isopropylbenzene	0.54	0.88			0.81	0.86	1.15
α-Pinene	0.56	1.73			ND	0.51	0.92
n-Propylbenzene	0.47	0.55			0.60	0.81	0.86
m-Ethyltoluene	1.29	1.05			1.50	1.58	2.06
p-Ethyltoluene	0.65	0.69			1.03	1.04	1.24
1,3,5-Trimethylbenzene	0.93	0.80			0.98	1.05	1.81
o-Ethyltoluene	0.64	0.80			0.89	0.87	1.19
β-Pinene	1.39	0.65			ND	ND	ND
1,2,4-Trimethylbenzene	2.52	1.87			2.37	2.44	3.92
1-Decene	ND	ND			ND	ND	ND
n-Decane	1.00	1.25			2.54	2.96	1.94
1,2,3-Trimethylbenzene	0.49	0.52			0.66	0.62	ND
m-Diethylbenzene	ND	ND			ND	ND	ND
p-Diethylbenzene	ND	ND			ND	ND	ND
1-Undecene	ND	ND			ND	ND	ND
n-Undecane	0.99	0.85			1.47	2.01	2.36
1-Dodecene	0.39	U			1.21	0.55	U
n-Dodecane	0.60	U	0.55	U	2.21	1.22	2.15
1-Tridecene	ND	ND			ND	ND	ND
n-Tridecane	0.34	U	ND		0.85	ND	ND
TNMOC (speciated)	151.79	147.05			191.99	157.48	203.96
TNMOC (w/ unknowns)	217.18	208.57			252.66	264.59	281.08

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Sample No.:	BAPR 24885	BAPR 25057	BAPR 25133	BAPR 25258	BAPR 25392 D1	BAPR 25392 R1	BAPR 25394 D2	
Sampling Date:	1/2/2002	1/8/2002	1/14/2002	1/20/2002	1/26/2002	1/26/2002	1/26/2002	
Analysis Date:	1/25/2002	1/25/2002	1/26/2002	1/29/2002	2/26/2002	2/27/2002	2/26/2002	
Filename:	L2AX023	L2AY010	L2AY018	L2AX008	L2BZ011	L2B-006	L2BZ012	
Ethylene	2.13	1.47	2.56	1.66	2.00	1.99	1.93	
Acetylene	1.30	1.61	2.22	1.31	1.59	1.64	1.63	
Ethane	6.66	1.85	1.79	1.56	1.82	1.81	1.76	
Propylene	0.61	0.41	0.76	0.46	0.67	0.68	0.64	
Propane	5.49	4.52	5.29	3.46	5.78	5.78	5.77	
Propyne	ND	ND	ND	ND	ND	ND	ND	
Isobutane	1.31	0.70	0.79	0.87	0.89	0.91	0.86	
Isobutene/1-Butene	0.42	0.41	0.49	0.37	0.62	0.59	0.50	
1,3-Butadiene	0.05	U	0.05	U	0.10	0.09	0.12	
n-Butane	2.22	1.20	1.21	1.18	1.12	1.17	1.10	
trans-2-Butene	0.12	0.18	0.17	0.20	0.23	0.24	0.23	
cis-2-Butene	0.12	0.17	0.19	0.18	0.20	0.23	0.22	
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND	
Isopentane	1.85	1.69	1.76	1.50	ND	ND	ND	
1-Pentene	0.08	0.08	0.09	0.07	0.13	0.15	0.09	
2-Methyl-1-butene	ND	0.08	0.23	0.06	ND	ND	ND	
n-Pentane	0.89	0.69	0.78	0.64	0.67	0.70	0.73	
Isoprene	1.33	1.41	1.28	0.90	0.29	0.30	0.30	
trans-2-Pentene	0.24	0.23	0.27	0.57	0.93	0.95	0.94	
cis-2-Pentene	0.08	0.11	0.12	0.10	0.11	0.13	0.12	
2-Methyl-2-butene	0.08	0.22	0.13	0.17	0.18	0.20	0.20	
2,2-Dimethylbutane	0.15	0.18	0.14	0.14	0.28	0.29	0.31	
Cyclopentene	0.07	ND	0.06	ND	0.11	0.11	ND	
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND	
Cyclopentane	0.10	0.11	0.12	0.10	0.12	0.13	0.13	
2,3-Dimethylbutane	0.18	0.20	0.21	0.17	0.25	0.27	0.24	
2-Methylpentane	0.58	0.52	0.62	0.50	1.11	1.02	1.26	
3-Methylpentane	0.32	0.33	0.38	0.30	0.44	0.45	0.45	
2-Methyl-1-pentene	ND	0.06	0.05	0.04	U	U	0.03	U
1-Hexene	0.09	0.10	0.12	0.09	0.14	0.15	0.11	
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND	
n-Hexane	0.44	0.26	0.33	0.31	0.32	0.33	0.29	
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND	
cis-2-Hexene	ND	0.03	U	ND	ND	ND	ND	
Methylcyclopentane	0.19	0.19	0.23	0.19	0.24	0.26	0.24	
2,4-Dimethylpentane	0.10	0.12	0.11	0.08	0.09	0.11	0.12	
Benzene	0.49	0.40	1.41	0.87	0.63	0.66	0.62	
Cyclohexane	0.27	8.78	2.13	1.82	0.11	0.12	0.12	
2-Methylhexane	0.27	0.25	0.86	0.20	0.30	0.33	0.30	
2,3-Dimethylpentane	0.21	0.21	0.44	0.14	0.16	0.17	0.17	
3-Methylhexane	0.19	0.20	1.49	0.15	0.25	0.24	0.24	
1-Heptene	0.04	ND	0.57	0.03	U	0.10	0.07	
2,2,4-Trimethylpentane	0.21	0.39	0.24	0.16	0.21	0.21	0.19	
n-Heptane	0.24	0.14	1.83	0.14	0.25	0.26	0.26	
Methylcyclohexane	0.13	0.10	0.31	0.09	0.11	0.12	0.12	
2,2,3-Trimethylpentane	ND	0.06	0.11	ND	0.03	0.04	0.02	U
2,3,4-Trimethylpentane	0.08	0.14	0.09	0.06	0.11	0.13	0.13	
Toluene	1.38	3.28	2.81	3.25	1.34	1.40	1.33	
2-Methylheptane	0.09	0.05	0.06	0.03	0.05	0.05	0.04	
3-Methylheptane	0.17	0.06	0.06	0.05	0.06	0.05	0.05	
1-Octene	ND	ND	ND	ND	0.05	0.04	ND	
n-Octane	0.16	0.10	0.08	0.06	0.07	0.07	0.06	
Ethylbenzene	0.27	0.69	0.56	0.54	0.28	0.29	0.29	
m-Xylene/p-Xylene	1.15	2.38	2.19	1.91	1.19	1.32	1.26	
Styrene	0.15	0.14	0.11	0.04	0.17	0.19	0.14	
o-Xylene	0.34	0.78	0.73	0.60	0.38	0.40	0.38	
1-Nonene	ND	ND	ND	ND	0.05	0.06	ND	
n-Nonane	0.11	0.22	0.07	0.06	0.05	0.06	0.05	
Isopropylbenzene	0.05	0.09	0.06	0.07	0.07	0.06	0.10	
α-Pinene	0.07	0.06	0.04	ND	0.01	U	ND	
n-Propylbenzene	0.04	0.09	0.06	0.05	0.05	0.05	0.04	
m-Ethyltoluene	0.08	0.14	0.15	0.11	0.11	0.10	0.10	
p-Ethyltoluene	0.07	0.11	0.10	0.07	0.07	0.06	0.07	
1,3,5-Trimethylbenzene	0.04	ND	0.10	0.06	0.08	0.08	0.07	
o-Ethyltoluene	ND	ND	ND	ND	ND	ND	ND	
b-Pinene	ND	ND	0.10	ND	0.11	0.11	0.14	
1,2,4-Trimethylbenzene	0.12	0.29	0.25	0.17	0.20	0.21	0.19	
1-Decene	ND	ND	ND	ND	ND	ND	ND	
n-Decane	0.26	1.11	0.41	0.37	0.13	0.13	0.12	
1,2,3-Trimethylbenzene	0.03	0.05	0.06	0.04	0.04	0.06	0.05	
m-Diethylbenzene	ND	ND	ND	ND	ND	ND	ND	
p-Diethylbenzene	ND	ND	0.02	ND	ND	ND	ND	
1-Undecene	ND	0.02	U	ND	ND	ND	ND	
n-Undecane	0.59	1.76	0.43	0.45	0.18	0.18	0.14	
1-Dodecene	ND	0.02	U	ND	ND	ND	ND	
n-Dodecane	0.45	1.30	0.31	0.28	0.32	0.32	0.24	
1-Tridecene	ND	ND	ND	ND	ND	ND	ND	
n-Tridecane	0.06	U	0.12	0.05	U	0.11	0.07	
TNMOC (speciated) in ppbv	35.00	42.69	40.95	29.13	27.87	28.49	27.51	
TNMOC (w/ unknowns) in ppbC	230.13	384.85	399.48	341.33	333.91	370.53	498.85	

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Sample No.:	BAPR 25394 R2	BAPR 25518	BAPR 25676	BAPR 25844	BAPR 25851	BAPR 26025 D1	BAPR 26025 R1
Sampling Date:	1/26/2002	2/1/2002	2/7/2002	2/13/2002	2/19/2002	2/25/2002	2/25/2002
Analysis Date:	2/27/2002	2/27/2002			3/5/2002	3/6/2002	3/6/2002
Filename:	L2B-007	L2B2023	VOID	VOID	L2CE014	L2CE023	L2CF010
Ethylene	1.99	1.52			1.74	2.98	2.96
Acetylene	1.61	1.35			1.54	2.80	2.78
Ethane	1.79	5.95			2.42	2.66	2.66
Propylene	0.65	0.45			0.56	0.89	0.88
Propane	5.80	3.80			6.91	8.28	8.22
Propyne	ND	ND			ND	ND	ND
Isobutane	0.90	0.71			2.88	5.17	5.06
Isobutene/1-Butene	0.50	0.32			0.43	0.60	0.59
1,3-Butadiene	0.10	0.05	U		0.11	0.14	0.19
n-Butane	1.15	1.18			3.06	1.91	1.91
trans-2-Butene	0.24	0.15			0.17	0.26	0.26
cis-2-Butene	0.23	0.15			0.20	0.25	0.26
3-Methyl-1-butene	ND	ND			ND	0.04	0.03
Isopentane	ND	0.82			2.71	2.60	2.53
1-Pentene	0.12	0.08			0.22	0.18	0.14
2-Methyl-1-butene	0.30	0.08			0.25	0.10	0.11
n-Pentane	0.74	0.54			1.20	1.31	1.29
Isoprene	0.33	0.29			0.21	0.32	0.32
trans-2-Pentene	0.93	0.49			0.24	0.33	0.35
cis-2-Pentene	0.13	0.10			0.14	0.18	0.18
2-Methyl-2-butene	0.17	0.10			0.19	0.22	0.21
2,2-Dimethylbutane	0.30	0.21			0.40	0.20	0.20
Cyclopentene	ND	ND			0.08	0.14	0.12
4-Methyl-1-pentene	ND	ND			ND	ND	ND
Cyclopentane	0.12	0.12			0.15	0.16	0.18
2,3-Dimethylbutane	0.25	0.17			0.24	0.25	0.25
2-Methylpentane	1.05	0.55			0.93	0.66	0.65
3-Methylpentane	0.43	0.28			0.56	0.46	0.46
2-Methyl-1-pentene	0.03	0.03	U		0.03	0.05	0.06
1-Hexene	0.11	0.10			0.11	0.15	0.14
2-Ethyl-1-butene	ND	ND			ND	ND	ND
n-Hexane	0.32	0.26			5.66	1.21	1.19
trans-2-Hexene	ND	ND			ND	ND	ND
cis-2-Hexene	ND	ND			0.03	0.03	0.04
Methylcyclopentane	0.24	0.17			0.38	0.32	0.31
2,4-Dimethylpentane	0.10	0.08			0.10	0.13	0.13
Benzene	0.63	0.69			0.47	0.61	0.59
Cyclohexane	0.13	0.12			0.71	0.65	0.65
2-Methylhexane	0.26	0.20			0.28	0.28	0.28
2,3-Dimethylpentane	0.16	0.13			0.17	0.21	0.20
3-Methylhexane	0.23	0.19			0.25	0.27	0.23
1-Heptene	0.04	0.13			0.03	0.07	0.05
2,2,4-Trimethylpentane	0.19	0.13			0.15	0.34	0.32
n-Heptane	0.25	0.18			0.61	0.28	0.27
Methylcyclohexane	0.12	0.11			0.21	0.16	0.15
2,2,3-Trimethylpentane	0.03	0.02	U		0.03	0.06	0.06
2,3,4-Trimethylpentane	0.10	0.07			0.14	0.16	0.15
Toluene	1.34	1.34			7.65	4.72	4.55
2-Methylheptane	0.06	0.05			0.08	0.07	0.08
3-Methylheptane	0.06	0.06			0.09	0.08	0.08
1-Octene	ND	ND			ND	0.04	0.03
n-Octane	0.07	0.08			0.19	0.09	0.09
Ethylbenzene	0.29	0.23			0.69	0.31	0.31
m-Xylene/p-Xylene	1.21	0.93			2.50	1.14	1.09
Styrene	0.09	0.09			0.22	0.09	0.04
o-Xylene	0.39	0.28			0.88	0.40	0.38
1-Nonene	ND	ND			0.03	0.03	0.02
n-Nonane	0.06	0.06			0.16	0.06	0.06
Isopropylbenzene	0.06	0.05			0.09	0.06	0.05
α-Pinene	0.02	0.25			0.05	0.03	0.03
n-Propylbenzene	0.04	0.03	U		0.07	0.06	0.06
m-Ethyltoluene	0.11	0.07			0.17	0.23	0.20
p-Ethyltoluene	0.07	0.04			0.12	0.09	0.09
1,3,5-Trimethylbenzene	0.07	0.05			0.11	0.11	0.10
o-Ethyltoluene	ND	ND			ND	ND	ND
β-Pinene	0.07	0.05			0.10	ND	0.04
1,2,4-Trimethylbenzene	0.19	0.12			0.30	0.27	0.25
1-Decene	ND	ND			ND	ND	ND
n-Decane	0.11	0.09			1.33	0.35	0.33
1,2,3-Trimethylbenzene	0.03	0.03			0.22	0.06	0.06
m-Diethylbenzene	ND	ND			ND	ND	ND
p-Diethylbenzene	ND	ND			ND	ND	ND
1-Undecene	ND	ND			ND	ND	ND
n-Undecane	0.15	0.07			4.25	1.05	0.98
1-Dodecene	ND	ND			ND	ND	0.01
n-Dodecane	0.23	0.07			5.69	1.44	1.40
1-Tridecene	ND	ND			ND	ND	ND
n-Tridecane	0.07	0.04	U		1.21	0.35	0.35
TNMOC (speciated) in ppbv	27.56	26.13			63.06	49.18	48.26
TNMOC (w/ unknowns) in ppbC	298.29	245.99			646.72	323.92	316.07

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Sample No.:	BAPR 26027 D2	BAPR 26027 R2	BAPR 26127	BAPR 26232	BAPR 26322	BAPR 26397	BAPR 26510		
Sampling Date:	2/25/2002	2/25/2002	3/3/2002	3/9/2002	3/15/2002	3/21/2002	3/27/2002		
Analysis Date:	3/6/2002	3/6/2002	3/8/2002	3/13/2002	3/25/2002	3/28/2002	4/5/2002		
Filename:	L2CE024	L2CF011	L2CG015	L2CM008	L2CY010	L2C-013	L2DE012		
Ethylene	2.93	2.95	1.37	2.69	2.25	1.98	2.55		
Acetylene	2.71	2.77	0.69	1.63	1.65	1.56	2.15		
Ethane	2.54	2.55	1.84	1.74	1.59	1.54	1.97		
Propylene	0.93	0.91	0.45	0.85	0.71	0.65	0.82		
Propane	8.31	8.27	4.67	5.62	4.34	3.59	5.91		
Propyne	ND	ND	ND	ND	ND	ND	ND		
Isobutane	4.58	4.47	0.38	0.55	0.47	0.73	0.79		
Isobutene/1-Butene	0.64	0.68	0.44	0.54	0.43	0.46	0.49		
1,3-Butadiene	0.14	0.17	ND	0.10	0.11	0.10	0.13		
n-Butane	1.58	1.60	0.57	0.85	0.73	1.16	1.38		
trans-2-Butene	0.27	0.26	0.12	0.19	0.18	0.37	0.32		
cis-2-Butene	0.26	0.26	0.12	0.19	0.16	0.31	0.27		
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND		
Isopentane	2.50	2.46	ND	1.68	1.54	2.91	3.15		
1-Pentene	0.14	0.13	0.08	0.10	0.08	0.09	0.12		
2-Methyl-1-butene	0.10	0.11	0.03	0.10	0.06	0.07	0.08		
n-Pentane	1.22	1.21	0.28	0.52	0.46	0.76	0.81		
Isoprene	0.33	0.31	0.24	0.30	0.25	0.27	0.36		
trans-2-Pentene	0.35	0.36	0.94	0.74	0.28	0.84	0.67		
cis-2-Pentene	0.18	0.17	0.09	0.12	0.12	0.17	0.19		
2-Methyl-2-butene	0.22	0.23	0.08	0.21	0.16	0.16	0.26		
2,2-Dimethylbutane	0.18	0.18	0.14	0.20	0.19	0.26	0.28		
Cyclopentene	0.10	0.11	ND	ND	ND	0.21	ND		
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND		
Cyclopentane	0.17	0.17	0.09	0.11	0.11	0.14	0.13		
2,3-Dimethylbutane	0.24	0.24	0.13	0.19	0.16	0.24	0.26		
2-Methylpentane	0.66	0.68	0.44	0.78	0.59	0.53	0.59		
3-Methylpentane	0.46	0.45	0.16	0.27	0.31	0.36	0.42		
2-Methyl-1-pentene	0.07	0.06	ND	0.04	U	0.03	U		
1-Hexene	0.14	0.13	0.11	0.13	0.11	0.12	0.11		
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND		
n-Hexane	1.03	1.02	0.13	0.27	0.32	0.34	0.33		
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND		
cis-2-Hexene	0.04	U	0.04	U	ND	ND	0.03	U	
Methylcyclopentane	0.29	0.30	0.15	0.27	0.17	0.20	0.23		
2,4-Dimethylpentane	0.13	0.13	0.08	0.09	0.09	0.12	0.13		
Benzene	0.61	0.60	0.37	0.76	0.48	0.50	0.81		
Cyclohexane	0.55	0.55	0.08	0.35	0.10	0.13	0.11		
2-Methylhexane	0.28	0.28	0.22	0.49	0.24	0.27	0.30		
2,3-Dimethylpentane	0.19	0.19	0.15	0.17	0.15	0.19	0.19		
3-Methylhexane	0.25	0.26	0.18	0.29	0.20	0.29	0.33		
1-Heptene	ND	ND	0.05	0.18	0.09	0.06	0.08		
2,2,4-Trimethylpentane	0.37	0.38	0.13	0.24	0.17	0.29	0.36		
n-Heptane	0.26	0.26	0.19	0.34	0.15	0.21	0.24		
Methylcyclohexane	0.14	0.15	0.10	0.11	0.10	0.10	0.13		
2,2,3-Trimethylpentane	0.05	0.06	ND	0.07	0.02	U	0.05	0.07	
2,3,4-Trimethylpentane	0.15	0.16	0.06	0.14	0.08	0.12	0.15		
Toluene	4.14	4.09	0.93	1.70	1.21	1.80	2.34		
2-Methylheptane	0.08	0.08	0.03	U	0.03	U	0.06	0.06	
3-Methylheptane	0.07	0.08	0.04	0.05	0.05	0.06	0.07		
1-Octene	ND	ND	ND	0.05	0.02	U	ND	0.02	U
n-Octane	0.09	0.09	0.05	0.08	0.05	0.07	0.09		
Ethylbenzene	0.33	0.31	0.27	0.34	0.27	0.27	0.34		
m-Xylene/p-Xylene	1.12	1.11	1.08	1.24	1.00	1.15	1.39		
Styrene	0.09	0.10	0.13	0.90	0.11	0.10	0.15		
o-Xylene	0.39	0.39	0.31	0.41	0.32	0.36	0.51		
1-Nonene	ND	ND	ND	ND	ND	ND	ND		
n-Nonane	0.06	0.05	0.05	0.07	0.04	0.08	0.21		
Isopropylbenzene	0.06	0.05	0.07	0.07	0.07	0.06	0.06		
α-Pinene	0.02	U	ND	ND	ND	ND	0.02	U	
n-Propylbenzene	0.06	0.05	0.02	U	0.05	0.05	0.08		
m-Ethyltoluene	0.32	0.30	0.05	0.13	0.11	0.11	0.19		
p-Ethyltoluene	0.10	0.09	0.04	0.08	0.07	0.07	0.12		
1,3,5-Trimethylbenzene	0.11	0.10	0.04	0.09	0.07	0.09	0.12		
o-Ethyltoluene	ND	ND	ND	ND	ND	ND	ND		
β-Pinene	0.03	ND	ND	ND	0.08	0.07	0.07		
1,2,4-Trimethylbenzene	0.28	0.24	0.11	0.23	0.20	0.20	0.39		
1-Decene	ND	ND	ND	ND	ND	ND	ND		
n-Decane	0.26	0.24	0.19	0.12	0.10	0.14	0.51		
1,2,3-Trimethylbenzene	0.07	0.06	0.02	0.05	0.04	0.05	0.07		
m-Diethylbenzene	ND	ND	ND	ND	ND	ND	ND		
p-Diethylbenzene	ND	ND	ND	ND	ND	ND	0.04		
1-Undecene	ND	ND	ND	ND	ND	ND	ND		
n-Undecane	0.37	0.34	0.51	0.19	0.06	0.11	0.30		
1-Dodecene	ND	ND	ND	ND	ND	ND	ND		
n-Dodecane	0.48	0.26	0.57	0.41	0.11	0.09	0.17		
1-Tridecene	ND	ND	ND	0.05	U	0.01	U	ND	
n-Tridecane	0.16	0.08	0.15	0.21	0.06	0.05	U	0.06	U
TNMOC (speciated) in ppbv	44.97	44.39	20.01	30.78	23.58	27.51	35.10		
TNMOC (w/ unknowns) in ppbC	468.48	446.98	252.44	385.84	227.92	236.45	360.50		

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Sample No.:	BAPR 26585	BAPR 26679	BAPR 26901	BAPR 26995	BAPR 27111 D1	BAPR 27111 R1	BAPR 27113 D2
Sampling Date:	4/2/2002	4/8/2002	4/14/2002	4/20/2002	4/26/2002	4/26/2002	4/26/2002
Analysis Date:	4/8/2002	4/12/2002	5/1/2002	5/1/2002	5/6/2002	5/8/2002	5/7/2002
Filename:	L2DH004	L2DK015	L2EA007	L2EA008	L2EF011	L2EH005	L2EF012
Ethylene	1.44	0.48	2.27	1.92	1.65	1.69	1.67
Acetylene	0.94	0.33	0.70	1.38	1.14	1.19	1.11
Ethane	2.74	1.47	1.79	1.60	1.40	1.48	1.44
Propylene	0.62	0.21	0.70	0.69	0.54	0.59	0.57
Propane	23.40	1.29	4.50	6.46	4.62	4.73	4.51
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.53	0.14	0.37	0.68	0.62	0.62	0.60
Isobutene/1-Butene	0.30	0.22	0.44	0.41	0.40	0.35	0.40
1,3-Butadiene	0.06 U	ND	ND	0.09	ND	ND	ND
n-Butane	1.15	0.24	0.59	0.89	0.88	0.91	0.88
trans-2-Butene	0.12	0.08	0.15	0.18	0.16	0.17	0.18
cis-2-Butene	0.15	0.10	0.18	0.20	0.18	0.18	0.20
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	1.03	0.33	0.84	1.62	1.55	1.58	1.51
1-Pentene	0.08	0.07	0.13	0.12	0.10	0.16	0.12
2-Methyl-1-butene	0.04 U	ND	ND	ND	ND	0.05	ND
n-Pentane	0.35	0.12	0.43	0.55	0.47	0.49	0.47
Isoprene	0.22	0.15	0.24	0.19	0.34	0.37	0.32
trans-2-Pentene	0.30	0.28	0.72	0.36	0.29	0.29	0.28
cis-2-Pentene	0.09	0.06	0.14	0.15	0.15	0.14	0.15
2-Methyl-2-butene	0.06	ND	0.11	0.06	ND	0.07	0.07
2,2-Dimethylbutane	0.14	0.09	0.23	0.31	0.30	0.33	0.30
Cyclopentene	ND	0.05	ND	ND	ND	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.10	0.06	0.15	0.14	0.14	0.18	0.17
2,3-Dimethylbutane	0.13	0.08	0.20	0.24	0.23	0.25	0.24
2-Methylpentane	0.33	0.14	0.69	0.60	0.41	0.42	0.40
3-Methylpentane	0.22	0.10	0.25	0.33	0.34	0.36	0.32
2-Methyl-1-pentene	0.03 U	ND	ND	ND	ND	ND	ND
1-Hexene	0.10	0.10	0.19	0.19	0.17	0.17	0.15
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.17	0.08	0.22	0.28	0.27	0.29	0.25
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.12	0.07	0.47	0.20	0.18	0.18	0.17
2,4-Dimethylpentane	0.07	0.06	0.12	0.15	0.12	0.15	0.12
Benzene	0.28	0.11	0.23	0.34	0.30	0.34	0.28
Cyclohexane	0.09	0.08	0.19	0.18	0.19	0.19	0.17
2-Methylhexane	0.21	0.14	0.34	0.41	0.37	0.39	0.36
2,3-Dimethylpentane	0.15	0.11	0.26	0.27	0.25	0.26	0.22
3-Methylhexane	0.13	0.17	ND	ND	0.40	0.43	0.37
1-Heptene	0.05	0.03 U	0.15	0.16	0.04	0.06	0.05
2,2,4-Trimethylpentane	0.13	0.05	0.13	0.11	0.13	0.13	0.12
n-Heptane	0.16	0.05	0.17	0.39	0.32	0.31	0.29
Methylcyclohexane	0.21	0.06	0.20	0.18	0.13	0.13	0.14
2,2,3-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND
2,3,4-Trimethylpentane	0.05	0.03	0.08	0.08	0.08	0.09	0.08
Toluene	1.10	0.39	0.90	1.30	1.03	1.08	1.01
2-Methylheptane	0.04	0.02 U	0.07	0.07	0.09	0.08	0.08
3-Methylheptane	0.04	0.03	0.06	0.10	0.08	0.09	0.08
1-Octene	ND	0.02 U	0.09	ND	ND	ND	ND
n-Octane	0.05	0.03	0.11	0.10	0.11	0.10	0.10
Ethylbenzene	0.15	0.14	0.25	0.24	0.17	0.20	0.18
m-Xylene/p-Xylene	0.58	0.59	0.86	0.92	0.64	0.67	0.62
Styrene	0.08	0.11	1.63	0.13	0.10	0.10	0.09
o-Xylene	0.18	0.16	0.30	0.31	0.22	0.24	0.22
1-Nonene	ND	ND	ND	ND	ND	ND	ND
n-Nonane	0.04	0.03	0.10	0.09	0.06	0.07	0.08
Isopropylbenzene	0.04	0.05	0.11	0.10	0.07	0.07	0.08
α-Pinene	0.08	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.03 U	0.02 U	0.09	0.06	0.06	0.06	0.06
m-Ethyltoluene	0.06	0.03	0.11	0.14	0.12	0.12	0.12
p-Ethyltoluene	0.04	0.03 U	0.09	0.08	0.10	0.09	0.10
1,3,5-Trimethylbenzene	0.04	ND	0.09	0.07	0.09	0.08	0.09
o-Ethyltoluene	ND	ND	ND	ND	0.07	0.08	ND
β-Pinene	ND	0.06	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.10	0.07	0.23	0.24	0.22	0.20	0.22
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.09	0.06	0.17	0.13	0.09	0.32	0.06
1,2,3-Trimethylbenzene	0.06	0.02	0.08	0.06	0.06	ND	0.06
m-Diethylbenzene	ND	ND	ND	ND	ND	ND	ND
p-Diethylbenzene	ND	ND	ND	ND	ND	ND	ND
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.11	0.13	0.16	0.14	0.13	0.13	0.08
1-Dodecene	ND	ND	ND	ND	ND	ND	ND
n-Dodecane	0.13	0.19	0.21	0.28	0.16	0.16	0.06
1-Tridecene	ND	ND	0.03 U	ND	ND	ND	ND
n-Tridecane	0.05 U	0.06	0.09	0.14	0.07	0.08	ND
TNMOC (speciated) in ppbv	39.58	9.49	24.38	26.82	22.59	23.74	22.07
TNMOC (w/ unknowns) in ppbC	326.75	125.54	274.80	180.66	134.50	370.53	498.85

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Sample No.:	BAPR 27113 R2		BAPR 27318		BAPR 27444		BAPR 27517 D1		BAPR 27517 R1		BAPR 27519 D2		BAPR 27519 R2	
Sampling Date:	4/26/2002		5/2/2002		5/8/2002		5/14/2002		5/14/2002		5/14/2002		5/14/2002	
Analysis Date:	5/8/2002		5/8/2002		5/15/2002		5/21/2002		5/22/2002		5/21/2002		5/22/2002	
Filename:	L2EH006		L2EF023		L2EN020		L2ET017		L2EU015		L2ET018		L2EU016	
Ethylene	1.69		0.87		1.75		1.28		1.41		1.03		1.05	
Acetylene	1.26		0.96		1.40		0.57		0.59		0.55		0.59	
Ethane	1.45		1.13		1.23		1.11		1.17		1.19		1.23	
Propylene	0.59		0.61		0.54		0.39		0.40		0.32		0.32	
Propane	4.64		4.16		5.89		2.40		2.48		2.40		2.51	
Propyne	ND		ND		ND		ND		ND		ND		ND	
Isobutane	0.61		0.57		0.87		0.48		0.52		0.40		0.40	
Isobutene/1-Butene	0.40		0.38		0.42		0.29		0.30		0.30		0.28	
1,3-Butadiene	ND		ND		0.08		ND		ND		ND		ND	
n-Butane	0.90		0.88		1.41		0.73		0.78		0.62		0.64	
trans-2-Butene	0.16		0.12		0.29		0.08		0.10		0.08		0.08	
cis-2-Butene	0.22		0.15		0.26		0.10		0.12		0.12		0.12	
3-Methyl-1-butene	ND		ND		0.06		ND		ND		ND		ND	
Isopentane	1.52		1.46		4.96		1.02		1.06		0.83		0.93	
1-Pentene	0.12		0.11		0.17		0.09		0.09		0.08		0.08	
2-Methyl-1-butene	0.06		ND		0.11		ND		ND		ND		ND	
n-Pentane	0.48		0.48		1.46		0.34		0.32		0.29		0.29	
Isoprene	0.35		0.31		0.31		0.84		0.84		0.68		0.70	
trans-2-Pentene	0.31		0.59		1.35		0.48		0.51		0.45		0.48	
cis-2-Pentene	0.16		0.10		0.34		0.09		0.09		0.08		0.09	
2-Methyl-2-butene	0.06		0.09		0.34		ND		ND		ND		ND	
2,2-Dimethylbutane	0.32		0.25		0.71		0.18		0.18		0.17		0.17	
Cyclopentene	ND		ND		ND		ND		ND		ND		ND	
4-Methyl-1-pentene	ND		ND		ND		ND		ND		ND		ND	
Cyclopentane	0.18		0.12		0.28		0.08		0.10		0.07		0.09	
2,3-Dimethylbutane	0.24		0.17		0.48		0.12		0.15		0.12		0.13	
2-Methylpentane	0.43		0.52		1.56		0.29		0.26		0.20		0.22	
3-Methylpentane	0.34		0.31		1.02		0.24		0.23		0.17		0.20	
2-Methyl-1-pentene	ND		ND		0.09		ND		ND		ND		ND	
1-Hexene	0.17		0.12		0.18		0.11		0.12		0.11		0.11	
2-Ethyl-1-butene	ND		ND		ND		ND		ND		ND		ND	
n-Hexane	0.27		0.25		0.84		0.20		0.21		0.20		0.20	
trans-2-Hexene	ND		ND		ND		ND		ND		ND		ND	
cis-2-Hexene	ND		ND		0.10		ND		ND		ND		ND	
Methylcyclopentane	0.19		0.16		0.56		0.10		0.10		0.08		0.10	
2,4-Dimethylpentane	0.12		0.10		0.18		0.07		0.08		0.07		0.08	
Benzene	0.31		0.25		0.41		0.17		0.18		0.19		0.19	
Cyclohexane	0.16		0.14		0.26		1.72		1.78		0.67		0.68	
2-Methylhexane	0.36		0.26		0.57		0.22		0.21		0.18		0.19	
2,3-Dimethylpentane	0.25		0.23		0.28		0.16		0.20		0.13		0.13	
3-Methylhexane	0.37		0.25		0.60		0.19		0.17		0.17		0.24	
1-Heptene	ND		0.03	U	0.11		0.04		0.04		0.04		0.04	
2,2,4-Trimethylpentane	0.13		0.11		0.12		0.09		0.09		0.06		0.07	
n-Heptane	0.31		0.24		0.41		0.14		0.14		0.13		0.14	
Methylcyclohexane	0.15		0.17		0.24		0.11		0.11		0.09		0.09	
2,2,3-Trimethylpentane	ND		ND		0.05		ND		ND		ND		ND	
2,3,4-Trimethylpentane	0.07		0.06		0.14		0.04		0.05		0.04		0.04	
Toluene	1.05		1.21		2.11		0.77		0.80		0.72		0.75	
2-Methylheptane	0.08		0.04		0.19		0.08		0.08		0.05		0.05	
3-Methylheptane	0.09		0.06		0.21		0.08		0.07		0.05		0.06	
1-Octene	ND		ND		ND		ND		0.03		ND		0.03	
n-Octane	0.10		0.08		0.17		0.14		0.15		0.10		0.10	
Ethylbenzene	0.19		0.25		0.50		0.14		0.12		0.11		0.10	
m-Xylene/p-Xylene	0.65		0.96		2.06		0.41		0.43		0.40		0.42	
Styrene	0.10		0.18		0.09		0.54		0.51		0.10		0.08	
o-Xylene	0.24		0.30		0.68		0.15		0.15		0.13		0.15	
1-Nonene	ND		ND		ND		ND		ND		ND		ND	
n-Nonane	0.08		0.07		0.09		0.08		0.08		0.06		0.06	
Isopropylbenzene	0.08		0.08		0.08		0.04		0.04		0.03		0.05	
α-Pinene	ND		ND		ND		ND		ND		ND		ND	
n-Propylbenzene	0.06		0.05		0.13		0.05		0.05		0.04		0.04	
m-Ethyltoluene	0.14		0.11		0.38		0.07		0.09		0.06		0.07	
p-Ethyltoluene	0.10		0.07		0.18		0.06		0.06		0.05		0.05	
1,3,5-Trimethylbenzene	0.04		0.08		0.22		0.07		0.07		0.04		0.04	
o-Ethyltoluene	ND		ND		ND		0.05		0.05		0.04		0.04	
β-Pinene	ND		ND		ND		ND		ND		0.09		ND	
1,2,4-Trimethylbenzene	0.21		0.19		0.59		0.20		0.19		0.12		0.13	
1-Decene	ND		ND		ND		ND		ND		ND		ND	
n-Decane	0.29		0.25		0.16		0.12		0.12		0.08		0.08	
1,2,3-Trimethylbenzene	0.08		0.05		0.12		0.11		0.05		0.03		0.03	
m-Diethylbenzene	ND		ND		ND		ND		ND		ND		ND	
p-Diethylbenzene	ND		ND		ND		ND		ND		ND		ND	
1-Undecene	ND		ND		ND		ND		ND		ND		ND	
n-Undecane	0.09		0.06		0.13		0.20		0.19		0.09		0.09	
1-Dodecene	0.05	U	0.04	U	0.05	U	ND		ND		ND		ND	
n-Dodecane	0.07		0.08		0.28		0.28		0.25		0.12		0.11	
1-Tridecene	ND		ND		ND		0.01	U	ND		0.02	U	ND	
n-Tridecane	0.02	U	0.03	U	0.08		0.11		0.12		0.04	U	0.03	U
TNMOC (speciated) in ppbv	23.18		20.95		40.93		18.31		18.89		14.86		15.44	
TNMOC (w/ unknowns) in ppbC	298.29		255.64		340.75		235.05		227.12		118.39		124.64	

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Sample No.:	BAPR 27633	BAPR 27747	BAPR 27826	BAPR 27915	BAPR 28002	BAPR 28212	BAPR 28338 D1
Sampling Date:	5/20/2002	5/26/2002	6/1/2002	6/7/2002	6/13/2002	6/19/2002	6/25/2002
Analysis Date:	5/24/2002	5/31/2002	6/6/2002	7/2/2002	7/13/2002	7/13/2002	7/25/2002
Filename:	L2EW018	L2E%008	L2FE010	L2GB008	L2GL021	L2GL023	N2GX017
Ethylene	1.05	1.18	1.50	1.53	1.65	1.44	1.42
Acetylene	0.43	0.80	1.04	1.08	0.79	0.77	1.28
Ethane	0.97	1.12	0.79	1.47	1.14	0.88	0.95
Propylene	0.27	0.40	0.50	0.49	0.61	0.48	0.46
Propane	2.98	5.25	6.23	6.27	4.32	3.17	5.97
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.66	0.60	0.52	0.63	0.46	0.41	0.55
Isobutene/1-Butene	0.24	0.29	0.31	0.32	0.46	0.32	0.37
1,3-Butadiene	ND	0.05 U	0.05 U	0.06 U	ND	ND	ND
n-Butane	0.88	1.22	0.76	1.16	0.81	0.85	1.18
trans-2-Butene	0.10	0.10	0.09	0.10	0.15	0.15	0.13
cis-2-Butene	0.13	0.12	0.11	0.13	0.20	0.19	0.15
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	1.17	1.06	1.18	1.46	1.13	1.15	1.50
1-Pentene	0.07	0.10	0.07	0.08	0.16	0.13	0.10
2-Methyl-1-butene	ND	ND	ND	0.05	ND	0.05	0.09
n-Pentane	0.43	0.33	0.37	0.64	0.47	0.44	0.56
Isoprene	0.50	0.38	0.30	0.56	0.62	0.50	0.76
trans-2-Pentene	1.73	0.80	0.09	0.94	0.68	1.46	0.14
cis-2-Pentene	0.11	0.09	0.07	0.09	0.15	0.13	0.13
2-Methyl-2-butene	0.19	ND	0.04 U	0.05	ND	0.07	0.11
2,2-Dimethylbutane	0.25	0.27	0.30	0.31	0.27	0.23	0.22
Cyclopentene	ND	0.05 U	ND	0.04 U	ND	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.20	0.13	0.09	0.12	0.17	0.12	0.21
2,3-Dimethylbutane	0.10	0.17	0.14	0.17	0.22	0.20	0.22
2-Methylpentane	0.43	0.33	0.35	0.44	0.40	0.36	0.37
3-Methylpentane	0.25	0.20	0.24	0.39	0.34	0.29	0.30
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.12	0.14	0.09	0.13	0.23	0.17	0.15
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.31	0.21	0.24	0.42	0.32	0.26	0.31
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.12	0.11	0.11	0.15	0.17	0.17	0.20
2,4-Dimethylpentane	0.09	0.08	0.07	0.08	0.13	0.11	0.11
Benzene	0.20	0.24	0.24	0.25	0.25	0.20	0.30
Cyclohexane	0.16	0.12	0.11	0.18	0.17	0.27	0.27
2-Methylhexane	0.17	0.30	0.21	0.33	0.21	0.22	0.35
2,3-Dimethylpentane	0.14	0.18	0.14	0.19	0.19	0.18	0.35
3-Methylhexane	0.16	0.32	0.32	0.52	0.40	0.28	0.22
1-Heptene	ND	0.08	0.04	0.27	0.07	ND	ND
2,2,4-Trimethylpentane	0.08	0.07	0.07	0.08	0.13	0.12	0.17
n-Heptane	0.12	0.30	0.18	0.54	0.22	0.19	0.15
Methylcyclohexane	0.09	0.10	0.08	0.20	0.13	0.15	0.10
2,2,3-Trimethylpentane	ND	ND	0.02 U	0.03	ND	ND	ND
2,3,4-Trimethylpentane	0.06	0.05	0.04	0.05	0.08	0.06	0.08
Toluene	1.05	0.93	0.99	1.21	0.91	0.95	1.13
2-Methylheptane	0.07	0.04	0.06	0.12	0.06	0.05	0.08
3-Methylheptane	0.07	0.06	0.06	0.13	0.08	0.05	0.08
1-Octene	ND	ND	ND	ND	ND	ND	ND
n-Octane	0.10	0.07	0.07	0.26	0.10	0.06	0.12
Ethylbenzene	0.19	0.35	0.21	0.21	0.14	0.13	0.22
m-Xylene/p-Xylene	1.02	1.32	0.82	0.81	0.53	0.54	0.81
Styrene	0.06	0.07	0.09	0.11	0.16	0.05	0.07
o-Xylene	0.26	0.41	0.28	0.27	0.17	0.15	0.29
1-Nonene	ND	ND	ND	ND	ND	ND	ND
n-Nonane	0.07	0.07	0.04	0.19	0.07	0.05	0.10
Isopropylbenzene	0.06	0.06	0.06	0.05	0.05	0.06	0.11
α-Pinene	ND	ND	0.03	ND	ND	ND	0.04
n-Propylbenzene	0.04	0.04	0.05	0.05	0.05	0.05	0.09
m-Ethyltoluene	0.09	0.08	0.09	0.10	0.07	0.07	0.13
p-Ethyltoluene	0.05	0.05	0.07	0.08	0.05	0.05	0.09
1,3,5-Trimethylbenzene	0.06	0.07	0.06	0.10	0.07	0.06	0.08
o-Ethyltoluene	ND	ND	ND	0.06	0.38	0.05	ND
β-Pinene	0.13	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.14	0.15	0.17	0.18	0.15	0.13	0.24
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.10	0.14	0.07	0.31	0.11	7.30	0.22
1,2,3-Trimethylbenzene	0.04	ND	0.04	0.04	0.04	0.04	0.06
m-Diethylbenzene	ND	ND	ND	ND	ND	ND	0.05
p-Diethylbenzene	ND	ND	ND	0.03	ND	ND	ND
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.09	0.18	0.04	0.11	0.12	17.06	0.11
1-Dodecene	0.02 U	0.03 U	0.02 U	0.01 U	0.04 U	ND	ND
n-Dodecane	0.11	0.16	0.05 U	0.08	0.14	6.78	0.04 U
1-Tridecene	ND	ND	ND	ND	ND	ND	0.11
n-Tridecane	0.03 U	0.06	0.01 U	0.02 U	0.03 U	0.43	0.68
TNMOC (speciated) in ppbv	18.81	21.69	20.50	26.50	21.43	50.30	24.87
TNMOC (w/ unknowns) in ppbC	245.56	153.09	161.67	174.40	147.44	479.61	132.06

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Sample No.:	BAPR 28338 R1	BAPR 28340 D2	BAPR 28340 R2	BAPR 28472	BAPR 28562	BAPR 28743	BAPR 28848
Sampling Date:	6/25/2002	6/25/2002	6/25/2002	7/1/2002	7/7/2002	7/13/2002	7/19/2002
Analysis Date:	8/14/2002	7/25/2002	8/14/2002	8/2/2002	8/2/2002		8/10/2002
Filename:	L2HM012	N2GX018	L2HM013	L2HA004	L2HB010	VOID	L2HI017
Ethylene	1.91	1.57	1.32	1.47	3.66		2.55
Acetylene	1.22	1.36	0.76	0.76	1.08		1.23
Ethane	1.31	1.00	0.87	0.93	1.12		1.65
Propylene	0.65	0.48	0.48	0.52	0.60		0.96
Propane	7.07	6.22	4.49	3.10	3.29		5.71
Propyne	ND	ND	ND	ND	ND		ND
Isobutane	0.72	0.55	0.44	0.33	0.36		0.95
Isobutene/1-Butene	0.56	0.32	0.37	0.37	0.39		0.79
1,3-Butadiene	0.07	ND	0.06	U	0.09		0.09
n-Butane	1.49	1.23	0.89	0.73	0.75		1.44
trans-2-Butene	0.29	0.16	0.18	0.13	0.16		0.49
cis-2-Butene	0.31	0.16	0.18	0.18	0.20		0.57
3-Methyl-1-butene	ND	ND	ND	ND	ND		ND
Isopentane	1.83	1.52	1.06	2.73	0.96		ND
1-Pentene	0.18	0.15	0.11	ND	ND		ND
2-Methyl-1-butene	0.12	0.07	0.08	0.10	ND		0.33
n-Pentane	0.75	0.48	0.38	0.55	0.46		0.73
Isoprene	0.95	0.80	0.54	0.55	0.52		0.68
trans-2-Pentene	0.40	0.14	0.25	0.98	0.32		1.45
cis-2-Pentene	0.24	0.12	0.14	0.14	0.14		0.43
2-Methyl-2-butene	0.12	0.09	0.07	0.10	0.06		0.17
2,2-Dimethylbutane	0.35	0.22	0.26	0.23	0.24		0.55
Cyclopentene	ND	ND	ND	ND	ND		ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND		ND
Cyclopentane	0.23	0.20	0.13	0.14	0.15		0.39
2,3-Dimethylbutane	0.41	0.22	0.25	0.25	0.24		0.61
2-Methylpentane	0.65	0.37	0.46	0.38	0.31		0.56
3-Methylpentane	0.47	0.37	0.29	0.25	0.25		0.65
2-Methyl-1-pentene	ND	ND	ND	ND	ND		ND
1-Hexene	0.24	0.16	0.20	0.18	0.19		0.50
2-Ethyl-1-butene	ND	ND	ND	ND	ND		ND
n-Hexane	0.42	0.31	0.28	0.25	0.27		0.56
trans-2-Hexene	ND	ND	ND	ND	ND		ND
cis-2-Hexene	ND	ND	ND	ND	ND		ND
Methylcyclopentane	0.28	0.16	0.17	0.17	0.17		0.40
2,4-Dimethylpentane	0.20	0.10	0.12	0.13	0.12		0.38
Benzene	0.75	0.31	0.47	0.95	0.80		0.75
Cyclohexane	0.43	0.22	0.25	0.22	0.18		0.54
2-Methylhexane	0.32	0.42	0.22	0.26	0.35		0.51
2,3-Dimethylpentane	0.29	0.28	0.20	0.17	0.24		0.57
3-Methylhexane	0.26	0.25	0.17	0.17	0.42		0.32
1-Heptene	ND	ND	0.04	0.07	0.21		0.16
2,2,4-Trimethylpentane	0.21	0.24	0.12	0.12	0.11		0.37
n-Heptane	0.19	0.15	0.12	0.14	0.34		0.29
Methylcyclohexane	0.19	0.12	0.13	0.11	0.13		0.29
2,2,3-Trimethylpentane	ND	ND	ND	ND	0.03		ND
2,3,4-Trimethylpentane	0.15	0.10	0.09	0.08	0.09		0.24
Toluene	1.05	1.14	0.62	1.02	0.90		1.02
2-Methylheptane	0.10	0.07	0.07	0.06	0.06		0.18
3-Methylheptane	0.11	0.11	0.07	0.06	0.07		0.18
1-Octene	ND	ND	0.02	U	ND		ND
n-Octane	0.11	0.10	0.08	0.09	0.08		0.19
Ethylbenzene	0.25	0.24	0.14	0.19	0.20		0.25
m-Xylene/p-Xylene	0.72	0.80	0.48	0.67	0.74		0.82
Styrene	0.12	0.06	0.15	0.21	0.21		0.15
o-Xylene	0.27	0.29	0.17	0.22	0.24		0.30
1-Nonene	ND	ND	ND	ND	ND		ND
n-Nonane	0.09	0.10	0.06	0.05	0.06		0.14
Isopropylbenzene	0.10	0.30	0.07	0.07	0.07		0.20
α-Pinene	0.11	ND	0.05	0.08	0.07		0.09
n-Propylbenzene	0.08	0.08	0.05	0.04	0.04		0.11
m-Ethyltoluene	0.14	0.13	0.08	0.07	0.07		0.15
p-Ethyltoluene	0.12	0.09	0.07	0.06	0.07		0.17
1,3,5-Trimethylbenzene	0.12	0.08	0.06	0.06	0.06		0.15
o-Ethyltoluene	0.12	ND	0.06	0.05	0.06		0.15
β-Pinene	ND	ND	ND	ND	0.24		0.08
1,2,4-Trimethylbenzene	0.27	0.26	0.16	0.15	0.15		0.30
1-Decene	ND	ND	ND	ND	ND		ND
n-Decane	0.16	0.15	0.10	0.09	0.12		0.25
1,2,3-Trimethylbenzene	0.20	0.07	0.09	0.04	0.04		0.13
m-Diethylbenzene	ND	0.05	ND	ND	ND		ND
p-Diethylbenzene	0.04	0.04	0.03	ND	ND		ND
1-Undecene	ND	ND	ND	ND	ND		ND
n-Undecane	0.16	0.04	0.09	0.08	0.12		0.32
1-Dodecene	ND	ND	0.03	U	0.05	U	ND
n-Dodecane	0.12	ND	0.07	0.06	U	0.13	0.28
1-Tridecene	ND	ND	ND	ND	ND		ND
n-Tridecane	ND	ND	ND	0.01	U	0.03	U
TNMOC (speciated) in ppbv	30.78	24.81	19.54	21.43	22.92		34.54
TNMOC (w/ unknowns) in ppbC	179.25	124.27	138.40	171.39	185.84		263.56

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Sample No.:	BAPR 28955	BAPR 29042	BAPR 29093	BAPR 29219	BAPR 29286	BAPR 29884 D1	BAPR 29886 D2
Sampling Date:	7/25/2002	7/31/2002	8/6/2002	8/12/2002	8/18/2002	8/24/2002	8/24/2002
Analysis Date:	8/14/2002	8/31/2002	9/3/2002				
Filename:	L2HM024	L2HS015	L2IC006	VOID	VOID	VOID	VOID
Ethylene	1.32	2.70	2.63				
Acetylene	0.61	1.31	1.96				
Ethane	1.02	1.30	1.12				
Propylene	0.46	1.05	0.93				
Propane	3.35	7.63	6.85				
Propyne	ND	ND	ND				
Isobutane	0.63	0.55	0.55				
Isobutene/1-Butene	0.39	0.98	0.64				
1,3-Butadiene	0.05	U	0.15				
n-Butane	0.70	1.77	1.59				
trans-2-Butene	0.18	0.22	0.23				
cis-2-Butene	0.19	0.28	0.25				
3-Methyl-1-butene	ND	ND	ND				
Isopentane	0.79	10.47	2.58				
1-Pentene	ND	ND	0.18				
2-Methyl-1-butene	0.09	0.20	0.28				
n-Pentane	0.65	0.50	0.95				
Isoprene	0.56	0.70	0.62				
trans-2-Pentene	1.61	0.26	0.45				
cis-2-Pentene	0.15	0.19	0.24				
2-Methyl-2-butene	0.06	0.16	0.38				
2,2-Dimethylbutane	0.21	0.23	0.27				
Cyclopentene	ND	ND	0.09				
4-Methyl-1-pentene	ND	ND	ND				
Cyclopentane	0.11	0.16	0.18				
2,3-Dimethylbutane	0.21	0.29	0.33				
2-Methylpentane	0.31	0.95	0.76				
3-Methylpentane	0.23	0.32	0.52				
2-Methyl-1-pentene	ND	ND	0.05				
1-Hexene	0.19	0.20	0.14				
2-Ethyl-1-butene	ND	ND	ND				
n-Hexane	0.21	0.34	0.40				
trans-2-Hexene	ND	ND	0.10				
cis-2-Hexene	ND	ND	0.05				
Methylcyclopentane	0.14	0.32	0.33				
2,4-Dimethylpentane	0.13	0.16	0.17				
Benzene	0.58	0.45	0.84				
Cyclohexane	0.18	0.21	0.22				
2-Methylhexane	0.20	0.41	0.48				
2,3-Dimethylpentane	0.19	0.18	0.27				
3-Methylhexane	0.14	0.21	0.53				
1-Heptene	ND	0.07	ND				
2,2,4-Trimethylpentane	0.15	0.20	0.54				
n-Heptane	0.13	0.14	0.40				
Methylcyclohexane	0.12	0.15	0.19				
2,2,3-Trimethylpentane	ND	0.04	0.07				
2,3,4-Trimethylpentane	0.08	0.13	0.20				
Toluene	1.29	1.03	1.64				
2-Methylheptane	0.06	0.08	0.14				
3-Methylheptane	0.07	0.09	0.15				
1-Octene	0.03	ND	ND				
n-Octane	0.09	0.11	0.13				
Ethylbenzene	0.25	0.22	0.31				
m-Xylene/p-Xylene	0.74	0.58	1.04				
Styrene	0.18	0.34	0.14				
o-Xylene	0.21	0.25	0.39				
1-Nonene	ND	ND	ND				
n-Nonane	0.06	0.11	0.07				
Isopropylbenzene	0.07	0.07	0.07				
α-Pinene	0.11	0.25	0.07				
n-Propylbenzene	0.05	0.06	0.08				
m-Ethyltoluene	0.08	0.12	0.23				
p-Ethyltoluene	0.06	0.07	0.12				
1,3,5-Trimethylbenzene	0.05	0.11	0.14				
o-Ethyltoluene	0.06	0.10	0.12				
b-Pinene	0.07	0.26	0.07				
1,2,4-Trimethylbenzene	0.15	0.23	0.38				
1-Decene	ND	ND	ND				
n-Decane	0.09	0.21	0.10				
1,2,3-Trimethylbenzene	0.07	0.23	0.09				
m-Diethylbenzene	ND	ND	ND				
p-Diethylbenzene	0.02	ND	0.06				
1-Undecene	ND	ND	ND				
n-Undecane	0.11	0.14	0.05				
1-Dodecene	0.04	U	0.03				U
n-Dodecane	0.11	0.05	U				U
1-Tridecene	ND	ND	ND				
n-Tridecane	U	0.03	U				U
TNMOC (speciated) in ppbv	20.49	40.19	35.39				
TNMOC (w/ unknowns) in ppbC	185.38	370.53	498.85				

Barceloneta, Puerto Rico (BAPR) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbV)

Sample No.:	BAPR 29592	BAPR 29737	BAPR 29835 D1	BAPR 29837 D2	BAPR 29895	BAPR 29970	BAPR 30067
Sampling Date:	8/30/2002	9/5/2002	9/11/2002	9/11/2002	9/17/2002	9/23/2002	9/29/2002
Analysis Date:	9/23/2002	10/5/2002			10/16/2002	10/16/2002	10/18/2002
Filename:	L2IW010	L2JD022	VOID	VOID	L2JP008	L2JP018	L2JQ020
Ethylene	2.99	2.72			2.65	2.64	2.94
Acetylene	2.20	1.91			1.95	1.20	2.03
Ethane	1.23	1.59			1.52	1.02	1.68
Propylene	0.99	0.82			0.88	0.89	0.95
Propane	9.41	7.35			25.15	7.32	15.60
Propyne	ND	ND			ND	ND	ND
Isobutane	0.57	0.70			0.86	0.76	1.31
Isobutene/1-Butene	0.57	0.49			0.50	0.58	0.57
1,3-Butadiene	0.12	0.09			0.12	0.10	0.12
n-Butane	1.59	1.93			1.54	1.67	1.97
trans-2-Butene	0.18	0.19			0.19	0.23	0.24
cis-2-Butene	0.21	0.23			0.23	0.25	0.29
3-Methyl-1-butene	ND	ND			ND	ND	ND
Isopentane	2.01	2.28			1.73	2.45	2.37
1-Pentene	ND	0.06			ND	0.09	0.13
2-Methyl-1-butene	0.09	0.11			0.06	0.10	0.09
n-Pentane	0.68	0.70			0.55	0.64	0.77
Isoprene	0.43	0.56			0.64	0.77	1.03
trans-2-Pentene	0.51	0.24			0.37	0.26	0.27
cis-2-Pentene	0.16	0.18			0.16	0.19	0.19
2-Methyl-2-butene	0.15	0.12			0.12	0.15	0.16
2,2-Dimethylbutane	0.25	0.26			0.26	0.29	0.33
Cyclopentene	ND	0.28			ND	0.17	ND
4-Methyl-1-pentene	ND	ND			ND	ND	ND
Cyclopentane	0.16	0.19			0.18	0.26	0.25
2,3-Dimethylbutane	0.26	0.28			0.27	0.29	0.33
2-Methylpentane	0.64	0.53			0.40	0.43	0.61
3-Methylpentane	0.51	0.66			0.40	0.85	0.58
2-Methyl-1-pentene	0.04	U	ND		ND	ND	ND
1-Hexene	0.17	0.15			0.19	0.25	0.22
2-Ethyl-1-butene	ND	ND			ND	ND	ND
n-Hexane	0.43	0.33			0.38	0.34	0.61
trans-2-Hexene	0.05	ND			ND	0.12	ND
cis-2-Hexene	ND	ND			ND	ND	ND
Methylcyclopentane	0.24	0.24			0.22	0.26	0.33
2,4-Dimethylpentane	0.12	0.17			0.16	0.15	0.18
Benzene	0.48	0.36			0.38	0.35	0.52
Cyclohexane	0.14	0.20			0.19	0.25	0.82
2-Methylhexane	0.26	0.44			0.33	0.38	0.39
2,3-Dimethylpentane	0.19	0.28			0.28	0.30	0.35
3-Methylhexane	0.43	0.64			0.12	0.71	0.10
1-Heptene	0.16	0.04			ND	ND	ND
2,2,4-Trimethylpentane	0.25	0.26			0.35	0.42	0.60
n-Heptane	0.25	0.22			0.22	0.28	0.23
Methylcyclohexane	0.19	0.21			0.14	0.17	0.17
2,2,3-Trimethylpentane	ND	ND			ND	ND	0.06
2,3,4-Trimethylpentane	0.10	0.10			0.12	0.17	0.17
Toluene	1.47	1.70			1.31	1.38	2.42
2-Methylheptane	0.08	0.14			0.11	0.20	0.12
3-Methylheptane	0.09	0.10			0.10	0.12	0.13
1-Octene	0.06	ND			ND	ND	ND
n-Octane	0.11	0.14			0.12	0.14	0.15
Ethylbenzene	0.29	0.20			0.26	0.26	0.30
m-Xylene/p-Xylene	0.98	0.61			0.70	0.76	0.93
Styrene	0.14	0.12			0.11	0.36	0.08
o-Xylene	0.35	0.23			0.26	0.31	0.38
1-Nonene	0.04	ND			ND	ND	ND
n-Nonane	0.06	0.06			0.07	0.10	0.09
Isopropylbenzene	0.06	0.10			0.09	0.10	0.13
α-Pinene	0.06	0.17			ND	0.05	0.09
n-Propylbenzene	0.05	0.06			0.07	0.09	0.10
m-Ethyltoluene	0.14	0.12			0.17	0.18	0.23
p-Ethyltoluene	0.07	0.08			0.11	0.12	0.14
1,3,5-Trimethylbenzene	0.10	0.09			0.11	0.12	0.20
o-Ethyltoluene	0.07	0.09			0.10	0.10	0.13
β-Pinene	0.14	0.07			ND	ND	ND
1,2,4-Trimethylbenzene	0.28	0.21			0.26	0.27	0.44
1-Decene	ND	ND			ND	ND	ND
n-Decane	0.10	0.13			0.25	0.30	0.19
1,2,3-Trimethylbenzene	0.05	0.06			0.07	0.07	ND
m-Diethylbenzene	ND	ND			ND	ND	ND
p-Diethylbenzene	ND	ND			ND	ND	ND
1-Undecene	ND	ND			ND	ND	ND
n-Undecane	0.09	0.08			0.13	0.18	0.21
1-Dodecene	0.03	U	ND		0.10	0.05	U
n-Dodecane	0.05	U	0.05	U	0.18	0.10	0.18
1-Tridecene	ND	ND			ND	ND	ND
n-Tridecane	0.03	U	ND		0.07	ND	ND
TNMOC (speciated) in ppbv	34.38	32.71			48.56	33.06	46.20
TNMOC (w/ unknowns) in ppbC	217.18	208.57			252.66	264.59	281.08

Bonne Terre, Missouri (BTMO) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	BTMO 31520	BTMO 31521	BTMO 31522	BTMO 31511
Sampling Date:	12/10/2002	12/16/2002	12/22/2002	12/28/2002
Analysis Date:	1/17/2003		1/17/2003	1/17/2003
Filename:	N3AP017	VOID	N3AP018	N3AP019
Ethylene	3.59		1.44	2.92
Acetylene	1.93		1.32	1.88
Ethane	6.31		6.25	13.15
Propylene	1.30		0.50	1.09
Propane	9.08		5.56	12.67
Propyne	ND		ND	ND
Isobutane	1.65		1.71	7.96
Isobutene/1-Butene	2.03		0.82	1.00
1,3-Butadiene	0.14	U	ND	ND
n-Butane	3.39		3.03	6.03
trans-2-Butene	ND		ND	ND
cis-2-Butene	0.36		ND	ND
3-Methyl-1-butene	ND		ND	ND
Isopentane	1.80		1.70	4.17
1-Pentene	0.11	U	ND	ND
2-Methyl-1-butene	0.14	U	0.11	U
n-Pentane	1.28		1.15	2.15
Isoprene	ND		ND	ND
trans-2-Pentene	ND		ND	ND
cis-2-Pentene	ND		ND	ND
2-Methyl-2-butene	0.18	U	ND	ND
2,2-Dimethylbutane	0.17		0.41	0.47
Cyclopentene	0.26		0.32	0.24
4-Methyl-1-pentene	ND		ND	ND
Cyclopentane	ND		0.32	0.36
2,3-Dimethylbutane	0.53		0.26	0.25
2-Methylpentane	0.82		0.63	0.82
3-Methylpentane	2.11		0.34	1.78
2-Methyl-1-pentene	ND		ND	ND
1-Hexene	0.22	U	0.16	U
2-Ethyl-1-butene	ND		ND	ND
n-Hexane	0.82		0.88	0.83
trans-2-Hexene	ND		ND	ND
cis-2-Hexene	ND		ND	ND
Methylcyclopentane	0.34		0.29	0.39
2,4-Dimethylpentane	0.67		0.13	U
Benzene	1.89		1.30	1.77
Cyclohexane	ND		0.12	U
2-Methylhexane	0.54		ND	0.75
2,3-Dimethylpentane	1.67		ND	0.30
3-Methylhexane	4.76		0.54	0.31
1-Heptene	0.17	U	0.13	U
2,2,4-Trimethylpentane	0.52		0.29	0.36
n-Heptane	0.27		0.28	0.41
Methylcyclohexane	0.18		0.19	0.18
2,2,3-Trimethylpentane	0.28		ND	ND
2,3,4-Trimethylpentane	ND		ND	ND
Toluene	2.43		1.76	1.66
2-Methylheptane	0.65		ND	0.11
3-Methylheptane	0.60		ND	0.11
1-Octene	ND		ND	ND
n-Octane	0.23		0.19	0.22
Ethylbenzene	0.34		0.22	0.23
m-Xylene/p-Xylene	0.88		0.62	0.31
Styrene	0.13		0.33	ND
o-Xylene	0.48		0.26	0.16
1-Nonene	ND		ND	ND
n-Nonane	0.18		0.16	ND
Isopropylbenzene	ND		ND	ND
α-Pinene	ND		ND	ND
n-Propylbenzene	ND		0.12	U
m-Ethyltoluene	0.21		0.14	U
p-Ethyltoluene	0.12	U	ND	ND
1,3,5-Trimethylbenzene	ND		ND	ND
o-Ethyltoluene	0.16	U	0.29	U
β-Pinene	ND		ND	ND
1,2,4-Trimethylbenzene	0.45		0.28	ND
1-Decene	ND		ND	ND
n-Decane	0.43		0.67	ND
1,2,3-Trimethylbenzene	0.16		0.14	ND
m-Diethylbenzene	0.11	U	ND	ND
p-Diethylbenzene	0.11	U	ND	ND
1-Undecene	ND		ND	ND
n-Undecane	1.03		1.02	ND
1-Dodecene	ND		ND	ND
n-Dodecane	0.70	U	0.30	U
1-Tridecene	ND		ND	ND
n-Tridecane	ND		ND	ND
TNMOC (speciated)	58.88		36.68	65.69
TNMOC (w/ unknowns)	163.52		74.67	126.62

Bonne Terre, Missouri (BTMO) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbV)

Sample No.:	BTMO 31520	BTMO 31521	BTMO 31522	BTMO 31511
Sampling Date:	12/10/2002	12/16/2002	12/22/2002	12/28/2002
Analysis Date:	1/17/2003		1/17/2003	1/17/2003
Filename:	N3AP017	VOID	N3AP018	N3AP019
Ethylene	1.79		0.72	1.46
Acetylene	0.96		0.66	0.94
Ethane	3.16		3.13	6.58
Propylene	0.43		0.17	0.36
Propane	3.03		1.85	4.22
Propyne	ND		ND	ND
Isobutane	0.41		0.43	1.99
Isobutene/1-Butene	0.51		0.20	0.25
1,3-Butadiene	0.04	U	ND	ND
n-Butane	0.85		0.76	1.51
trans-2-Butene	ND		ND	ND
cis-2-Butene	0.09		ND	ND
3-Methyl-1-butene	ND		ND	ND
Isopentane	0.36		0.34	0.83
1-Pentene	0.02	U	ND	ND
2-Methyl-1-butene	0.03	U	0.02	ND
n-Pentane	0.26		0.23	0.43
Isoprene	ND		ND	ND
trans-2-Pentene	ND		ND	ND
cis-2-Pentene	ND		ND	ND
2-Methyl-2-butene	0.04	U	ND	ND
2,2-Dimethylbutane	0.03		0.07	0.08
Cyclopentene	0.05		0.06	0.05
4-Methyl-1-pentene	ND		ND	ND
Cyclopentane	ND		0.06	0.07
2,3-Dimethylbutane	0.09		0.04	0.04
2-Methylpentane	0.14		0.11	0.14
3-Methylpentane	0.35		0.06	0.30
2-Methyl-1-pentene	ND		ND	ND
1-Hexene	0.04	U	0.03	0.04
2-Ethyl-1-butene	ND		ND	ND
n-Hexane	0.14		0.15	0.14
trans-2-Hexene	ND		ND	ND
cis-2-Hexene	ND		ND	ND
Methylcyclopentane	0.06		0.05	0.07
2,4-Dimethylpentane	0.10		0.02	ND
Benzene	0.32		0.22	0.29
Cyclohexane	ND		0.02	0.04
2-Methylhexane	0.08		ND	0.11
2,3-Dimethylpentane	0.24		ND	0.04
3-Methylhexane	0.68		0.08	0.04
1-Heptene	0.02	U	0.02	ND
2,2,4-Trimethylpentane	0.06		0.04	0.05
n-Heptane	0.04		0.04	0.06
Methylcyclohexane	0.03		0.03	0.03
2,2,3-Trimethylpentane	0.03		ND	ND
2,3,4-Trimethylpentane	ND		ND	ND
Toluene	0.35		0.25	0.24
2-Methylheptane	0.08		ND	0.01
3-Methylheptane	0.07		ND	0.01
1-Octene	ND		ND	ND
n-Octane	0.03		0.02	0.03
Ethylbenzene	0.04		0.03	0.03
m-Xylene/p-Xylene	0.11		0.08	0.04
Styrene	0.02		0.04	ND
o-Xylene	0.06		0.03	0.02
1-Nonene	ND		ND	ND
n-Nonane	0.02		0.02	ND
Isopropylbenzene	ND		ND	ND
α-Pinene	ND		ND	ND
n-Propylbenzene	ND		0.01	ND
m-Ethyltoluene	0.02		0.02	ND
p-Ethyltoluene	0.01	U	ND	ND
1,3,5-Trimethylbenzene	ND		ND	ND
o-Ethyltoluene	0.02	U	0.03	0.02
β-Pinene	ND		ND	ND
1,2,4-Trimethylbenzene	0.05		0.03	ND
1-Decene	ND		ND	ND
n-Decane	0.04		0.07	ND
1,2,3-Trimethylbenzene	0.02		0.02	ND
m-Diethylbenzene	0.01	U	ND	ND
p-Diethylbenzene	0.01	U	ND	ND
1-Undecene	ND		ND	ND
n-Undecane	0.09		0.09	ND
1-Dodecene	ND		ND	ND
n-Dodecane	0.06	U	0.03	ND
1-Tridecene	ND		ND	ND
n-Tridecane	ND		ND	ND
TNMOC (speciated) in ppbv	15.56		10.35	20.55
TNMOC (w/ unknowns) in ppbC	163.52		74.67	126.62

Bonne Terre, Missouri (BTMO) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ug/m³)

Sample No.:	BTMO 31520	BTMO 31521	BTMO 31522	BTMO 31511
Sampling Date:	12/10/2002	12/16/2002	12/22/2002	12/28/2002
Analysis Date:	1/17/2003		1/17/2003	1/17/2003
Filename:	N3AP017	VOID	N3AP018	N3AP019
Ethylene	2.08		0.83	1.69
Acetylene	1.03		0.71	1.01
Ethane	3.91		3.88	8.16
Propylene	0.75		0.29	0.63
Propane	5.51		3.37	7.68
Propyne	ND		ND	ND
Isobutane	0.99		1.03	4.77
Isobutene/1-Butene	1.17		0.47	0.58
1,3-Butadiene	0.08	U	ND	ND
n-Butane	2.03		1.81	3.81
trans-2-Butene	ND		ND	ND
cis-2-Butene	0.21		ND	ND
3-Methyl-1-butene	ND		ND	ND
Isopentane	1.07		1.01	2.48
1-Pentene	0.06	U	ND	ND
2-Methyl-1-butene	0.08	U	0.06	ND
n-Pentane	0.76		0.69	1.28
Isoprene	ND		ND	ND
trans-2-Pentene	ND		ND	ND
cis-2-Pentene	ND		ND	ND
2-Methyl-2-butene	0.10	U	ND	ND
2,2-Dimethylbutane	0.10		0.24	0.28
Cyclopentene	0.15		0.18	0.13
4-Methyl-1-pentene	ND		ND	ND
Cyclopentane	ND		0.19	0.21
2,3-Dimethylbutane	0.31		0.16	0.15
2-Methylpentane	0.49		0.37	0.48
3-Methylpentane	1.25		0.20	1.06
2-Methyl-1-pentene	ND		ND	ND
1-Hexene	0.13	U	0.09	U
2-Ethyl-1-butene	ND		ND	ND
n-Hexane	0.49		0.52	0.49
trans-2-Hexene	ND		ND	ND
cis-2-Hexene	ND		ND	ND
Methylcyclopentane	0.20		0.16	0.23
2,4-Dimethylpentane	0.34		0.07	ND
Benzene	1.02		0.70	0.95
Cyclohexane	ND		0.07	0.14
2-Methylhexane	0.32		ND	0.44
2,3-Dimethylpentane	0.99		ND	0.18
3-Methylhexane	2.81		0.32	0.18
1-Heptene	0.10	U	0.07	ND
2,2,4-Trimethylpentane	0.30		0.17	0.21
n-Heptane	0.16		0.17	0.24
Methylcyclohexane	0.10		0.11	0.10
2,2,3-Trimethylpentane	0.16		ND	ND
2,3,4-Trimethylpentane	ND		ND	ND
Toluene	1.32		0.96	0.90
2-Methylheptane	0.38		ND	0.07
3-Methylheptane	0.35		ND	0.06
1-Octene	ND		ND	ND
n-Octane	0.13		0.11	0.13
Ethylbenzene	0.20		0.13	0.14
m-Xylene/p-Xylene	0.48		0.34	0.17
Styrene	0.07		0.18	ND
o-Xylene	0.26		0.14	0.09
1-Nonene	ND		ND	ND
n-Nonane	0.11		0.10	ND
Isopropylbenzene	ND		ND	ND
α-Pinene	ND		ND	ND
n-Propylbenzene	ND		0.07	U
m-Ethyltoluene	0.11		0.08	U
p-Ethyltoluene	0.07	U	ND	ND
1,3,5-Trimethylbenzene	ND		ND	ND
o-Ethyltoluene	0.09	U	0.16	U
β-Pinene	ND		ND	ND
1,2,4-Trimethylbenzene	0.25		0.15	ND
1-Decene	ND		ND	ND
n-Decane	0.25		0.39	ND
1,2,3-Trimethylbenzene	0.09		0.07	ND
m-Diethylbenzene	0.06	U	ND	ND
p-Diethylbenzene	0.06	U	ND	ND
1-Undecene	ND		ND	ND
n-Undecane	0.60		0.60	ND
1-Dodecene	ND		ND	ND
n-Dodecane	0.41	U	0.18	U
1-Tridecene	ND		ND	ND
n-Tridecane	ND		ND	ND
TNMOC (speciated) in ug/m ³	34.56		21.61	39.17
TNMOC (w/ unknowns) in ppbC	163.52		74.67	126.62

Beluah, North Dakota (BUND) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	BUND 24881	BUND 25003	BUND 25142	BUND 25314	BUND 25396 D1	BUND 25396 R1	BUND 25398 D2				
Sampling Date:	1/2/2002	1/8/2002	1/14/2002	1/20/2002	1/26/2002	1/26/2002	1/26/2002				
Analysis Date:	1/25/2002	1/26/2002	1/29/2002	1/29/2002	2/1/2002	2/6/2002	2/1/2002				
Filename:	L2AX022	L2AY015	L2A#004	L2A#012	L2BA014	L2BE018	L2BA015				
Ethylene	1.88	59.12	2.46	1.68	1.72	1.86	1.74				
Acetylene	1.43	65.03	1.91	1.18	1.58	1.71	1.68				
Ethane	10.41	26.24	9.57	7.74	9.45	9.77	9.62				
Propylene	0.86	25.90	0.98	0.74	0.69	0.64	0.55				
Propane	8.90	35.17	8.77	6.83	8.35	8.51	8.38				
Propyne	ND	ND	ND	ND	ND	ND	ND				
Isobutane	2.47	184.82	2.46	2.17	3.44	3.24	3.17				
Isobutene/1-Butene	0.95	15.40	0.92	0.81	0.98	0.66	0.91				
1,3-Butadiene	ND	5.99	ND	ND	ND	ND	ND				
n-Butane	4.88	120.11	6.01	4.52	5.72	5.61	5.37				
trans-2-Butene	0.27	11.10	0.35	0.26	0.28	0.26	0.24				
cis-2-Butene	0.40	10.67	0.45	0.44	0.42	0.44	0.44				
3-Methyl-1-butene	ND	3.02	ND	ND	ND	ND	ND				
Isopentane	3.11	812.65	5.60	2.66	4.67	4.52	3.72				
1-Pentene	0.40	7.15	0.35	0.38	0.40	0.39	0.36				
2-Methyl-1-butene	ND	13.91	ND	ND	ND	ND	ND				
n-Pentane	2.47	1008.09	4.14	1.93	3.32	3.22	2.86				
Isoprene	ND	4.25	0.34	0.28	0.30	0.29	2.03				
trans-2-Pentene	0.35	14.28	0.33	0.24	0.35	0.33	0.26				
cis-2-Pentene	0.37	8.34	0.42	0.44	0.37	0.43	0.40				
2-Methyl-2-butene	ND	18.97	0.27	ND	ND	ND	ND				
2,2-Dimethylbutane	0.64	5.88	0.73	0.56	0.62	0.55	0.69				
Cyclopentene	ND	6.21	ND	0.35	ND	ND	ND				
4-Methyl-1-pentene	ND	1.07	ND	ND	ND	ND	ND				
Cyclopentane	0.44	79.78	0.72	0.45	0.56	0.63	0.46				
2,3-Dimethylbutane	0.74	11.29	0.78	0.68	0.77	0.77	0.72				
2-Methylpentane	1.04	50.76	1.59	1.26	1.17	1.25	1.03				
3-Methylpentane	0.94	45.69	1.04	0.85	0.97	0.87	0.91				
2-Methyl-1-pentene	ND	3.57	ND	ND	ND	ND	ND				
1-Hexene	0.58	2.49	0.61	0.57	0.59	0.54	0.61				
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND				
n-Hexane	1.17	119.73	1.15	1.00	1.28	1.17	1.25				
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND				
cis-2-Hexene	ND	2.17	ND	ND	ND	ND	ND				
Methylcyclopentane	0.59	45.27	0.71	0.56	0.72	0.73	0.69				
2,4-Dimethylpentane	0.60	5.29	0.61	0.57	0.51	0.50	0.60				
Benzene	1.30	39.20	1.67	1.24	1.50	1.41	1.40				
Cyclohexane	0.88	25.26	0.81	0.71	0.87	0.81	0.89				
2-Methylhexane	1.48	11.79	1.72	1.63	1.36	1.31	1.30				
2,3-Dimethylpentane	1.19	7.37	1.12	1.14	1.00	0.99	1.14				
3-Methylhexane	0.81	17.33	0.76	0.51	0.75	0.81	0.82				
1-Heptene	ND	ND	ND	ND	ND	ND	ND				
2,2,4-Trimethylpentane	0.70	19.25	0.93	0.81	0.70	0.57	0.64				
n-Heptane	0.56	13.09	0.77	0.49	0.59	0.48	0.52				
Methylcyclohexane	0.56	8.54	1.03	0.64	0.68	0.74	0.53				
2,2,3-Trimethylpentane	ND	3.20	ND	ND	ND	ND	ND				
2,3,4-Trimethylpentane	0.35	7.13	0.38	0.32	0.32	0.26	0.28				
Toluene	1.78	275.47	3.69	0.99	3.86	3.65	2.47				
2-Methylheptane	0.33	4.75	0.32	0.29	0.22	U	0.31				
3-Methylheptane	0.27	4.58	0.38	0.24	0.24	0.23	0.26				
1-Octene	ND	0.50	ND	ND	ND	ND	ND				
n-Octane	0.48	5.95	0.44	0.35	0.35	0.38	0.41				
Ethylbenzene	0.48	37.72	0.74	0.31	0.48	0.41	0.38				
m-Xylene/p-Xylene	2.33	108.52	2.17	0.23	1.63	1.78	0.62				
Styrene	ND	18.57	ND	1.23	ND	ND	ND				
o-Xylene	0.83	36.18	0.81	0.23	0.68	0.66	0.29				
1-Nonene	ND	1.96	ND	ND	ND	ND	ND				
n-Nonane	0.32	8.88	0.41	0.24	ND	0.32	0.29				
Isopropylbenzene	0.31	1.28	0.31	0.35	0.33	0.27	U	0.33			
a-Pinene	0.71	11.00	2.83	0.24	U	0.91	1.12	0.88			
n-Propylbenzene	0.26	U	4.04	0.22	U	0.23	U	0.23	U		
m-Ethyltoluene	0.25	13.58	0.40	0.23	0.24	0.29	0.22	0.22	U		
p-Ethyltoluene	0.25	U	7.03	0.37	0.26	U	0.27	U	0.28	U	
1,3,5-Trimethylbenzene	ND	9.63	0.33	0.19	0.25	0.25	0.24	0.24	U		
o-Ethyltoluene	0.20	U	8.42	0.35	0.28	U	ND	0.20	U	0.25	U
b-Pinene	ND	3.32	ND	ND	ND	ND	ND	ND	ND	ND	U
1,2,4-Trimethylbenzene	0.37	21.15	0.57	0.33	0.41	0.32	0.34	0.34	ND	ND	U
1-Decene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	U
n-Decane	0.33	113.91	0.76	0.36	0.59	0.63	2.01	2.01	ND	ND	U
1,2,3-Trimethylbenzene	ND	6.65	ND	ND	0.36	ND	ND	ND	ND	ND	U
m-Diethylbenzene	ND	1.73	ND	ND	ND	ND	ND	ND	ND	ND	U
p-Diethylbenzene	ND	1.28	ND	ND	ND	ND	ND	ND	ND	ND	U
1-Undecene	ND	1.91	ND	ND	ND	ND	ND	ND	ND	ND	U
n-Undecane	0.34	445.08	0.95	1.23	1.23	1.17	3.14	3.14	ND	ND	U
1-Dodecene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	U
n-Dodecane	0.26	U	336.31	0.53	U	1.77	1.27	1.00	0.82	0.82	U
1-Tridecene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	U
n-Tridecane	ND	47.22	ND	ND	ND	ND	ND	ND	ND	ND	U
TNMOC (speciated)	63.78	4518.14	79.02	56.21	70.54	69.66	69.92	69.92	69.92	69.92	U
TNMOC (w/ unknowns)	69.08	4772.38	96.02	70.95	75.48	76.96	76.43	76.43	76.43	76.43	U

U Under detection limit.

Beluah, North Dakota (BUND) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	BUND 25398 R2	BUND 25558	BUND 25630	BUND 25801	BUND 25854	BUND 26061 D1	BUND 26061 R1
Sampling Date:	1/26/2002	2/1/2002	2/7/2002	2/13/2002	2/19/2002	2/25/2002	2/25/2002
Analysis Date:	2/6/2002	2/28/2002	3/1/2002	3/1/2002	3/6/2002	3/7/2002	3/7/2002
Filename:	L2BE019	L2B-018	L2BI012	L2BI023	L2CE016	L2CF018	L2CG011
Ethylene	1.62	2.14	1.87	2.19	1.55	1.14	1.13
Acetylene	1.68	1.59	1.05	1.86	1.18	1.32	1.23
Ethane	9.48	16.64	7.26	9.20	5.91	7.13	7.05
Propylene	0.59	1.22	1.20	0.98	1.15	0.75	0.73
Propane	7.72	22.53	7.31	11.44	5.26	6.10	5.68
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	3.10	3.97	1.64	5.58	1.25	1.51	1.46
Isobutene/1-Butene	0.84	1.12	0.98	1.09	1.22	0.85	0.81
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND
n-Butane	5.19	11.02	3.81	5.60	2.57	3.05	2.90
trans-2-Butene	0.26	0.35	0.38	0.38	0.34	0.28	0.34
cis-2-Butene	0.36	0.53	0.54	0.43	0.42	0.47	0.51
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	3.57	3.80	1.80	3.09	1.73	1.79	1.75
1-Pentene	0.46	0.46	0.43	0.46	0.59	0.37	0.41
2-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Pentane	2.82	5.38	1.69	2.08	1.19	1.59	1.42
Isoprene	1.78	0.46	0.45	0.35	0.31	0.40	0.42
trans-2-Pentene	0.28	0.33	0.32	0.34	0.33	0.34	0.31
cis-2-Pentene	0.34	0.41	0.43	0.41	0.41	0.43	0.43
2-Methyl-2-butene	ND	0.36	ND	ND	ND	ND	ND
2,2-Dimethylbutane	0.63	0.68	0.61	1.99	0.66	0.56	0.60
Cyclopentene	ND	ND	ND	ND	ND	0.19	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.60	0.66	0.51	0.43	0.45	0.49	0.35
2,3-Dimethylbutane	0.68	0.72	0.71	2.43	0.69	0.65	0.69
2-Methylpentane	0.92	1.76	2.26	10.75	1.38	0.69	0.76
3-Methylpentane	0.94	1.10	0.67	3.68	0.86	0.68	0.83
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.53	0.71	0.76	0.70	0.91	0.75	0.70
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	1.15	2.66	0.96	1.28	0.82	0.84	0.89
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.79	0.91	1.01	0.74	0.49	0.51	0.53
2,4-Dimethylpentane	0.53	0.59	0.58	0.56	0.59	0.57	0.60
Benzene	1.45	2.13	1.34	1.62	1.39	1.63	1.57
Cyclohexane	0.82	0.95	0.79	0.90	0.66	0.64	0.77
2-Methylhexane	1.29	1.21	2.04	1.07	1.08	1.00	1.14
2,3-Dimethylpentane	0.95	0.97	0.89	0.89	0.92	1.01	0.92
3-Methylhexane	0.77	0.54	ND	0.40	0.45	0.42	0.35
1-Heptene	ND	0.21	U	0.22	U	0.26	ND
2,2,4-Trimethylpentane	0.49	0.71	0.66	0.66	0.58	0.54	0.53
n-Heptane	0.56	1.09	0.58	0.58	0.54	0.45	0.43
Methylcyclohexane	0.59	0.80	0.59	0.82	0.54	0.49	0.53
2,2,3-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND
2,3,4-Trimethylpentane	ND	0.38	0.59	0.40	0.32	0.35	0.31
Toluene	2.50	1.39	1.06	1.57	0.99	1.07	0.95
2-Methylheptane	0.27	0.25	U	0.21	U	0.32	ND
3-Methylheptane	0.28	0.23	0.26	0.30	0.31	0.31	0.28
1-Octene	ND	ND	0.26	ND	0.20	U	ND
n-Octane	0.43	0.58	0.40	0.40	0.42	0.38	0.40
Ethylbenzene	0.30	0.29	0.22	0.33	0.25	0.23	0.26
m-Xylene/p-Xylene	0.45	0.67	0.23	0.63	0.49	0.41	0.37
Styrene	ND	0.22	7.66	0.50	0.34	0.25	ND
o-Xylene	0.29	0.31	0.42	0.28	0.28	0.19	ND
1-Nonene	ND	ND	ND	ND	ND	ND	ND
n-Nonane	0.33	0.29	ND	0.30	0.28	0.34	ND
Isopropylbenzene	0.23	U	0.28	U	0.36	0.33	0.30
a-Pinene	0.76	ND	ND	0.98	ND	ND	ND
n-Propylbenzene	ND	ND	0.32	ND	0.25	U	0.22
m-Ethyltoluene	0.19	0.20	0.25	0.29	0.25	0.78	0.77
p-Ethyltoluene	0.21	U	0.22	U	0.30	U	0.24
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND
o-Ethyltoluene	ND	ND	ND	0.25	U	0.25	ND
b-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.37	0.34	0.28	0.44	0.38	0.30	0.34
1-Decane	ND	ND	ND	ND	ND	ND	ND
n-Decane	1.91	0.57	0.43	0.86	0.23	0.34	0.40
1,2,3-Trimethylbenzene	ND	ND	1.46	0.25	ND	0.31	ND
m-Diethylbenzene	ND	ND	0.70	ND	ND	ND	ND
p-Diethylbenzene	ND	ND	ND	ND	ND	ND	ND
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	2.89	1.13	1.06	3.34	0.34	0.72	0.64
1-Dodecene	ND	ND	ND	ND	ND	ND	ND
n-Dodecane	0.62	U	2.99	3.68	0.65	U	0.96
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	1.06	0.68	U	0.76	0.52	U
TNMOC (speciated)	65.77	102.04	65.20	91.31	45.84	48.31	45.46
TNMOC (w/ unknowns)	72.31	117.36	126.59	110.94	64.82	58.67	54.35

U Under detection limit.

Beluah, North Dakota (BUND) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	BUND 26063 D2	BUND 26063 R2	BUND 26134	BUND 26301	BUND 26382	BUND 26457	BUND 26547
Sampling Date:	2/25/2002	2/25/2002	3/3/2002	3/9/2002	3/15/2002	3/21/2002	3/27/2002
Analysis Date:	3/7/2002	3/7/2002	3/8/2002	3/20/2002	3/25/2002	4/5/2002	4/6/2002
Filename:	L2CF019	L2CG012	L2CG024	L2CT010	L2CY014	L2DE007	L2DE015
Ethylene	1.17	1.22	4.19	1.97	1.36	1.14	1.25
Acetylene	1.20	1.25	1.26	1.54	1.25	1.19	0.95
Ethane	7.41	7.27	9.03	10.40	7.64	10.15	7.88
Propylene	0.85	0.82	2.49	4.72	0.85	0.84	0.76
Propane	6.02	6.13	8.56	9.66	7.33	9.31	6.94
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	1.59	1.48	1.92	2.47	1.72	2.08	1.41
Isobutene/1-Butene	0.86	0.94	1.99	30.69	1.27	0.74	0.91
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND
n-Butane	3.16	3.07	4.10	5.30	3.25	4.29	2.93
trans-2-Butene	0.30	0.30	0.31	ND	0.29	0.32	0.33
cis-2-Butene	0.45	0.46	0.42	0.38	0.37	0.43	0.56
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	1.91	1.89	2.02	ND	1.44	2.07	1.62
1-Pentene	0.45	0.49	0.91	0.27	0.37	0.38	0.38
2-Methyl-1-butene	ND	ND	ND	0.95	ND	ND	ND
n-Pentane	1.66	1.66	1.87	2.63	1.41	1.78	1.29
Isoprene	0.31	0.34	0.25	0.29	0.25	0.28	0.33
trans-2-Pentene	0.32	0.33	0.27	0.29	0.23	0.35	0.38
cis-2-Pentene	0.43	0.43	0.40	0.30	0.36	0.48	0.46
2-Methyl-2-butene	ND	ND	0.75	ND	0.66	ND	ND
2,2-Dimethylbutane	0.65	0.57	0.68	0.57	0.62	0.69	0.67
Cyclopentene	ND	ND	ND	ND	ND	ND	0.29
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.50	0.49	0.47	0.40	0.44	0.49	0.29
2,3-Dimethylbutane	0.69	0.71	0.62	0.59	0.67	0.68	0.73
2-Methylpentane	0.72	0.74	1.73	1.08	1.62	0.74	1.20
3-Methylpentane	0.67	0.69	0.68	0.80	0.76	0.87	0.91
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.85	0.87	1.39	0.63	0.57	0.76	0.71
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.86	0.89	1.03	1.11	0.91	0.79	0.82
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.52	0.56	1.26	0.46	0.47	0.53	0.52
2,4-Dimethylpentane	0.62	0.53	0.59	0.48	0.60	0.55	0.57
Benzene	1.58	1.57	1.68	4.84	1.61	1.52	1.09
Cyclohexane	0.62	0.73	0.77	0.57	0.56	0.74	0.66
2-Methylhexane	0.89	1.05	1.91	0.88	1.36	1.03	0.33
2,3-Dimethylpentane	0.73	0.95	1.01	0.90	1.05	1.14	1.12
3-Methylhexane	0.42	0.51	ND	0.39	0.42	0.89	0.58
1-Heptene	0.20	U	0.22	U	ND	ND	ND
2,2,4-Trimethylpentane	0.58	0.52	0.45	0.77	0.81	0.53	0.51
n-Heptane	0.49	0.48	0.76	0.48	0.40	0.49	0.39
Methylcyclohexane	0.55	0.53	0.69	5.44	0.52	0.61	0.54
2,2,3-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND
2,3,4-Trimethylpentane	0.33	ND	0.40	0.35	0.29	0.30	0.30
Toluene	1.49	1.43	0.73	1.01	0.79	0.72	0.86
2-Methylheptane	0.28	0.28	0.22	U	ND	0.25	U
3-Methylheptane	0.28	0.30	0.28	0.21	0.25	0.23	0.25
1-Octene	ND	ND	0.64	ND	ND	ND	ND
n-Octane	0.42	0.36	0.70	0.29	0.39	0.36	0.30
Ethylbenzene	0.27	0.26	0.29	0.17	0.23	0.32	0.23
m-Xylene/p-Xylene	0.43	0.43	ND	0.34	0.50	0.46	0.65
Styrene	0.21	ND	1.91	0.25	0.30	ND	0.49
o-Xylene	0.24	0.21	ND	0.18	0.22	0.26	0.33
1-Nonene	ND	ND	0.21	U	ND	ND	ND
n-Nonane	0.34	0.36	0.31	0.15	U	0.21	ND
Isopropylbenzene	0.25	U	0.32	0.24	U	0.20	U
a-Pinene	ND	ND	ND	0.20	U	ND	U
n-Propylbenzene	ND	ND	ND	0.18	U	ND	U
m-Ethyltoluene	0.44	0.49	ND	0.20	ND	0.28	0.21
p-Ethyltoluene	0.26	U	0.30	0.31	U	0.23	U
1,3,5-Trimethylbenzene	0.25	ND	ND	ND	ND	0.23	0.20
o-Ethyltoluene	0.27	U	0.28	U	ND	0.21	U
b-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.37	0.30	0.42	0.24	0.31	0.38	0.40
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.74	0.81	0.42	ND	0.23	0.40	0.27
1,2,3-Trimethylbenzene	ND	ND	ND	0.21	ND	ND	ND
m-Diethylbenzene	0.25	U	ND	0.19	U	0.22	ND
p-Diethylbenzene	ND	ND	ND	0.15	ND	ND	ND
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.94	0.91	3.04	0.82	0.45	1.22	0.76
1-Dodecene	ND	ND	ND	ND	ND	ND	ND
n-Dodecane	0.53	U	0.47	U	1.33	1.51	1.06
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	0.49	U	0.52	U	0.26
TNMOC (speciated)	48.80	48.16	71.52	100.15	50.61	56.42	48.37
TNMOC (w/ unknowns)	59.00	57.53	134.87	416.32	77.07	69.24	70.04

U Under detection limit.

Beluah, North Dakota (BUND) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	BUND 26603	BUND 26675	BUND 26887	BUND 27018	BUND 27305	BUND 27349	BUND 27441
Sampling Date:	4/2/2002	4/8/2002	4/14/2002	4/20/2002	4/26/2002	5/2/2002	5/8/2002
Analysis Date:	4/6/2002	4/11/2002	4/27/2002	4/27/2002	5/7/2002	5/14/2002	5/15/2002
Filename:	L2DE022	L2DK008	L2DZ017	L2DZ018	L2EF018	L2EM024	L2EN022
Ethylene	1.03	1.87	0.75	2.09	0.98	1.52	0.91
Acetylene	0.75	0.90	0.46	0.80	0.86	1.09	0.60
Ethane	5.72	7.44	4.07	6.10	4.67	4.52	3.91
Propylene	0.72	1.04	0.54	1.12	0.73	0.91	0.64
Propane	3.88	6.42	3.40	5.39	3.30	3.31	2.05
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.99	1.19	0.75	0.88	0.63	4.30	0.62
Isobutene/1-Butene	0.92	0.76	0.61	0.96	0.78	0.94	0.78
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND
n-Butane	1.81	2.85	1.55	2.03	1.18	1.74	0.98
trans-2-Butene	0.34	0.26	0.19	0.22	0.19	0.33	0.26
cis-2-Butene	0.51	0.39	0.29	0.33	0.31	0.49	0.41
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	1.15	1.39	1.01	1.10	0.89	8.23	0.79
1-Pentene	0.33	0.35	0.31	0.42	0.35	0.54	0.27
2-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Pentane	0.93	1.25	0.87	1.00	0.61	10.37	0.54
Isoprene	0.31	0.27	0.21	0.23	0.23	0.41	0.31
trans-2-Pentene	0.32	ND	0.20	0.23	0.22	0.40	0.29
cis-2-Pentene	0.41	0.31	0.27	0.28	0.29	0.47	0.36
2-Methyl-2-butene	ND	ND	ND	ND	ND	ND	ND
2,2-Dimethylbutane	0.57	0.43	0.44	0.53	0.44	0.62	0.52
Cyclopentene	ND	ND	ND	ND	ND	0.40	0.22
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.34	0.18	0.34	ND	0.27	0.67	0.26
2,3-Dimethylbutane	0.67	0.46	0.47	0.50	0.49	0.71	0.57
2-Methylpentane	0.84	0.68	0.68	2.16	0.66	0.75	0.54
3-Methylpentane	0.79	0.62	0.52	0.53	0.55	0.92	0.77
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.70	0.65	0.49	0.72	0.56	0.77	0.56
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.71	0.64	0.51	0.57	0.41	0.99	0.42
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.43	0.40	0.32	0.61	0.31	0.57	0.35
2,4-Dimethylpentane	0.58	0.41	0.35	0.47	0.39	0.51	0.47
Benzene	1.33	1.07	0.72	0.83	0.89	1.04	0.90
Cyclohexane	0.68	0.43	0.47	0.44	0.38	2.01	ND
2-Methylhexane	1.23	0.97	0.68	1.35	0.67	1.40	0.57
2,3-Dimethylpentane	1.27	0.72	0.62	0.81	0.79	1.18	0.63
3-Methylhexane	0.76	5.06	0.31	ND	0.40	1.43	0.68
1-Heptene	ND	0.36	ND	0.34	0.14	0.27	ND
2,2,4-Trimethylpentane	0.45	0.34	0.33	0.47	0.36	0.66	0.45
n-Heptane	0.39	0.36	0.31	0.38	0.24	0.90	0.32
Methylcyclohexane	0.55	0.51	0.37	0.51	0.32	0.82	0.40
2,2,3-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND
2,3,4-Trimethylpentane	0.31	ND	0.20	0.25	0.24	0.44	0.34
Toluene	0.75	0.62	0.65	0.61	0.79	26.07	0.82
2-Methylheptane	0.29	0.23	0.23	0.28	0.22	0.33	0.31
3-Methylheptane	0.30	0.22	0.21	0.26	0.24	0.30	0.29
1-Octene	ND	0.37	ND	0.29	0.15	0.23	ND
n-Octane	0.30	0.35	0.30	0.46	0.30	0.46	0.38
Ethylbenzene	0.23	0.33	0.28	0.22	0.20	0.74	0.24
m-Xylene/p-Xylene	0.32	0.39	0.42	0.35	0.45	1.25	0.44
Styrene	ND	4.18	0.23	2.19	0.15	ND	0.41
o-Xylene	0.23	0.16	0.23	0.22	0.19	0.41	0.22
1-Nonene	ND	0.22	ND	ND	ND	ND	ND
n-Nonane	0.22	0.21	0.24	0.26	0.20	0.26	0.28
Isopropylbenzene	0.34	0.26	0.29	0.26	0.29	0.27	0.23
a-Pinene	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.24	0.30	0.20	0.20	0.17	0.24	0.19
m-Ethyltoluene	0.20	0.20	0.29	0.19	0.21	0.22	0.21
p-Ethyltoluene	0.25	0.19	0.20	0.14	0.24	0.21	0.26
1,3,5-Trimethylbenzene	0.22	ND	0.14	0.14	0.16	0.23	0.21
o-Ethyltoluene	ND	0.14	0.22	0.19	ND	0.25	0.33
b-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.33	0.40	0.31	0.31	0.34	0.42	0.32
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.57	0.26	0.46	0.28	0.28	2.06	0.40
1,2,3-Trimethylbenzene	0.22	0.17	0.32	0.14	0.14	ND	ND
m-Diethylbenzene	ND	0.16	ND	ND	ND	0.20	0.21
p-Diethylbenzene	ND	ND	ND	ND	ND	ND	ND
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	1.46	0.65	0.93	1.01	0.37	6.33	1.99
1-Dodecene	ND	ND	0.52	ND	0.14	ND	ND
n-Dodecane	1.50	1.76	0.75	4.87	1.08	4.62	5.50
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	0.45	0.66	0.13	1.42	0.47	0.70	1.26
TNMOC (speciated)	41.08	53.40	31.14	48.90	31.46	102.40	37.17
TNMOC (w/ unknowns)	50.67	103.81	46.83	122.00	52.82	115.61	48.29

U Under detection limit.

Beluah, North Dakota (BUND) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	BUND 27537 D1	BUND 27537 R1	BUND 27539 D2	BUND 27539 R2	BUND 27719	BUND 27758	BUND 27859
Sampling Date:	5/14/2002	5/14/2002	5/14/2002	5/14/2002	5/20/2002	5/26/2002	6/1/2002
Analysis Date:	5/22/2002	5/22/2002	5/22/2002	5/22/2002	5/30/2002	6/4/2002	7/1/2002
Filename:	L2EU017	L2EV009	L2EU018	L2EV010	L2E#022	L2FC014	L2GA009
Ethylene	1.11	1.13	1.09	1.21	8.03	0.96	1.37
Acetylene	0.42	0.42	0.47	0.43	6.73	0.53	0.66
Ethane	4.09	4.01	4.15	4.21	6.43	5.06	4.64
Propylene	0.65	0.88	0.69	0.76	3.87	0.72	0.78
Propane	2.47	2.55	2.39	2.36	11.49	6.48	3.27
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.58	0.59	0.61	0.57	682.59	3.27	0.70
Isobutene/1-Butene	0.97	0.79	0.91	0.82	4.28	0.73	0.72
1,3-Butadiene	ND	ND	ND	ND	1.11	ND	ND
n-Butane	1.08	1.03	1.12	1.10	16.97	3.12	1.43
trans-2-Butene	0.33	0.28	0.30	0.29	0.85	0.20	0.62
cis-2-Butene	0.51	0.46	0.46	0.43	1.10	0.37	0.46
3-Methyl-1-butene	ND	ND	ND	ND	0.34	ND	ND
Isopentane	0.92	0.93	0.99	0.95	2017.89	1.32	1.27
1-Pentene	0.44	0.43	0.45	0.39	1.05	0.35	0.38
2-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Pentane	0.65	0.60	0.76	0.74	616.17	0.88	0.79
Isoprene	0.35	0.39	0.31	0.28	1.34	0.22	0.54
trans-2-Pentene	0.32	0.31	0.32	0.33	1.88	0.21	0.30
cis-2-Pentene	0.45	0.45	0.43	0.40	1.20	0.29	0.39
2-Methyl-2-butene	ND	ND	ND	ND	1.99	ND	ND
2,2-Dimethylbutane	0.63	0.55	0.60	0.57	7.96	0.42	0.53
Cyclopentene	ND	ND	ND	ND	0.67	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.29	0.36	0.39	0.43	12.46	0.37	0.35
2,3-Dimethylbutane	0.67	0.64	0.66	0.65	10.65	0.49	0.62
2-Methylpentane	0.51	0.76	0.46	0.62	61.64	0.58	0.95
3-Methylpentane	0.76	0.79	0.57	0.70	69.67	0.60	0.84
2-Methyl-1-pentene	ND	ND	ND	ND	0.35	ND	ND
1-Hexene	0.87	0.75	0.74	0.72	0.99	0.52	0.66
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.61	0.52	0.66	0.60	121.15	0.44	1.05
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	0.26	ND	ND
Methylcyclopentane	0.43	0.44	0.43	0.42	43.05	0.44	0.54
2,4-Dimethylpentane	0.55	0.54	0.51	0.52	2.67	0.41	0.53
Benzene	0.88	0.86	0.81	0.80	6.70	0.85	1.30
Cyclohexane	0.63	0.59	0.66	0.58	99.91	0.42	0.67
2-Methylhexane	1.02	0.85	0.96	0.75	5.86	0.66	0.76
2,3-Dimethylpentane	1.26	0.77	0.99	0.82	4.30	0.65	0.93
3-Methylhexane	1.19	1.31	0.94	0.99	9.78	0.81	1.06
1-Heptene	0.19	ND	ND	ND	ND	0.13	ND
2,2,4-Trimethylpentane	0.47	0.45	0.53	0.49	9.28	0.47	0.56
n-Heptane	0.45	0.45	0.48	0.49	6.43	0.32	0.95
Methylcyclohexane	0.60	0.59	0.57	0.62	3.08	0.37	1.05
2,2,3-Trimethylpentane	ND	ND	ND	ND	1.90	ND	ND
2,3,4-Trimethylpentane	0.31	0.31	0.32	0.33	3.26	0.26	0.34
Toluene	1.09	1.08	1.05	1.05	221.97	0.70	2.51
2-Methylheptane	0.49	0.39	0.43	0.41	1.81	0.28	0.85
3-Methylheptane	0.45	0.46	0.40	0.37	2.16	0.21	0.84
1-Octene	0.28	0.39	0.18	0.19	0.49	0.15	ND
n-Octane	0.76	0.74	0.74	0.77	3.47	0.34	1.81
Ethylbenzene	0.28	0.25	0.22	0.22	10.24	0.25	0.26
m-Xylene/p-Xylene	0.44	0.44	0.44	0.46	22.13	0.55	0.48
Styrene	0.76	0.68	0.37	0.45	11.38	0.40	0.27
o-Xylene	0.30	0.27	0.21	0.27	8.08	0.27	0.28
1-Nonene	ND	ND	ND	ND	1.03	ND	ND
n-Nonane	0.21	0.35	0.32	0.33	2.78	0.30	0.45
Isopropylbenzene	0.27	0.32	0.33	0.31	1.01	0.17	0.32
a-Pinene	ND	ND	ND	ND	0.84	ND	0.21
n-Propylbenzene	0.25	0.25	0.22	0.21	1.70	0.17	0.22
m-Ethyltoluene	0.24	0.24	0.21	0.21	7.21	0.15	0.27
p-Ethyltoluene	0.27	0.29	0.25	0.31	2.34	0.23	0.28
1,3,5-Trimethylbenzene	0.25	0.19	0.20	0.23	3.20	ND	0.25
o-Ethyltoluene	0.32	0.34	0.22	0.31	2.28	0.22	0.32
b-Pinene	ND	ND	ND	ND	0.68	ND	ND
1,2,4-Trimethylbenzene	0.46	0.52	0.32	0.31	5.23	0.29	0.38
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.51	0.54	0.30	0.36	296.28	0.42	0.34
1,2,3-Trimethylbenzene	ND	0.17	ND	0.23	1.73	ND	ND
m-Diethylbenzene	0.22	ND	ND	0.20	0.96	0.15	ND
p-Diethylbenzene	0.15	ND	ND	ND	ND	ND	ND
1-Undecene	ND	ND	ND	ND	0.68	ND	ND
n-Undecane	0.72	0.72	0.47	0.49	737.10	0.48	0.68
1-Dodecene	ND	ND	ND	ND	ND	ND	ND
n-Dodecane	0.42	0.43	0.68	0.70	205.48	0.47	0.44
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	0.18	ND	5.91	0.19	ND
TNMOC (speciated)	36.73	35.80	34.43	34.69	5425.48	40.30	43.45
TNMOC (w/ unknowns)	48.83	48.25	42.78	44.49	5647.32	56.22	152.95

U Under detection limit.

Beluah, North Dakota (BUND) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	BUND 27917	BUND 28118	BUND 28271	BUND 28312 D1	BUND 28312 R1	BUND 28313 D2	BUND 28313 R2
Sampling Date:	6/7/2002	6/13/2002	6/19/2002	6/25/2002	6/25/2002	6/25/2002	6/25/2002
Analysis Date:	7/2/2002	7/13/2002	7/13/2002	7/23/2002	7/25/2002	7/24/2002	7/25/2002
Filename:	L2GB015	L2GL020	L2GL025	N2GW012	N2GX014	N2GW013	N2GX015
Ethylene	1.18	2.71	1.27	1.18	1.18	1.15	1.09
Acetylene	0.45	0.34	0.34	0.67	0.69	0.76	0.74
Ethane	3.76	4.19	3.90	4.93	5.00	4.87	4.86
Propylene	0.93	1.68	1.01	0.63	0.74	0.58	0.64
Propane	3.04	3.40	3.74	4.75	4.82	4.60	4.65
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.56	0.74	0.87	0.99	1.04	1.09	1.10
Isobutene/1-Butene	0.87	1.61	1.03	0.88	0.82	0.97	0.84
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND
n-Butane	1.27	1.87	1.98	2.49	2.53	2.54	2.51
trans-2-Butene	0.31	0.51	0.42	0.22	0.16	U	U
cis-2-Butene	0.40	0.61	0.64	0.25	0.31	0.29	0.24
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	1.21	1.42	1.59	2.40	2.17	2.42	2.37
1-Pentene	0.43	0.63	0.51	ND	ND	ND	ND
2-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Pentane	0.74	1.06	1.18	1.50	1.46	1.58	1.58
Isoprene	0.40	0.40	0.62	0.78	0.72	1.17	1.19
trans-2-Pentene	0.28	0.49	0.46	0.21	0.17	0.18	0.21
cis-2-Pentene	0.37	0.61	0.68	0.25	0.20	U	0.26
2-Methyl-2-butene	ND	ND	ND	ND	ND	ND	ND
2,2-Dimethylbutane	0.57	0.87	0.85	0.37	0.26	0.31	0.38
Cyclopentene	ND	ND	ND	0.32	0.30	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.44	0.59	0.67	0.47	0.48	0.60	0.58
2,3-Dimethylbutane	0.61	0.93	0.98	0.51	0.48	0.54	0.52
2-Methylpentane	0.61	2.34	1.02	0.68	0.60	0.70	0.64
3-Methylpentane	0.74	1.14	1.03	0.45	0.47	0.50	0.60
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.70	1.13	0.93	0.71	0.46	0.53	0.74
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.50	0.91	1.15	0.57	0.92	0.71	0.73
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.41	0.57	0.61	0.39	0.34	0.40	0.37
2,4-Dimethylpentane	0.48	0.98	0.75	0.30	0.38	0.39	0.41
Benzene	1.22	0.90	0.75	1.33	1.38	1.25	1.33
Cyclohexane	0.45	0.80	0.87	0.39	0.29	0.47	0.39
2-Methylhexane	0.61	0.75	0.81	ND	ND	ND	ND
2,3-Dimethylpentane	0.71	1.23	1.04	0.67	0.72	0.69	0.94
3-Methylhexane	1.03	4.65	1.11	0.46	0.32	0.32	0.52
1-Heptene	ND	ND	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	0.56	0.87	0.63	0.54	0.60	0.62	0.69
n-Heptane	0.43	0.45	0.52	0.30	0.44	0.41	0.50
Methylcyclohexane	0.42	0.83	0.70	0.26	0.40	0.29	0.28
2,2,3-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND
2,3,4-Trimethylpentane	0.28	0.39	0.51	0.30	0.30	0.22	0.31
Toluene	0.95	0.37	0.73	1.16	1.61	1.60	1.83
2-Methylheptane	0.57	0.48	0.38	0.25	0.29	0.21	U
3-Methylheptane	0.54	0.40	0.45	0.21	0.30	0.29	0.24
1-Octene	ND	ND	ND	ND	ND	ND	ND
n-Octane	1.10	0.48	0.46	0.34	0.39	0.29	0.38
Ethylbenzene	0.29	ND	0.28	0.33	0.29	0.39	0.36
m-Xylene/p-Xylene	0.55	ND	0.62	0.88	0.72	0.85	0.94
Styrene	0.58	1.32	0.53	ND	0.17	0.20	ND
o-Xylene	0.33	0.26	ND	1.35	0.33	1.32	1.15
1-Nonene	ND	ND	ND	ND	ND	ND	ND
n-Nonane	0.88	0.31	0.26	0.30	0.35	0.31	0.37
Isopropylbenzene	0.25	U	0.29	U	0.26	U	0.30
a-Pinene	0.21	U	ND	0.41	ND	0.64	ND
n-Propylbenzene	0.24	U	ND	0.33	0.26	U	0.32
m-Ethyltoluene	0.33	0.33	ND	0.21	0.24	0.30	0.33
p-Ethyltoluene	0.45	0.31	U	0.28	U	0.25	U
1,3,5-Trimethylbenzene	0.38	0.28	ND	0.21	0.21	0.23	0.28
o-Ethyltoluene	0.50	0.36	0.35	0.29	0.34	0.29	0.36
b-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.86	0.71	0.46	0.80	0.52	0.91	0.65
1-Decane	ND	ND	ND	ND	ND	ND	ND
n-Decane	1.40	0.44	0.31	0.37	0.86	0.42	0.36
1,2,3-Trimethylbenzene	0.21	0.28	ND	ND	0.18	0.20	0.18
m-Diethylbenzene	ND	0.29	U	0.26	U	0.25	U
p-Diethylbenzene	ND	ND	ND	0.18	ND	0.19	0.24
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.62	0.61	0.71	0.72	0.64	0.54	0.81
1-Dodecene	ND	ND	ND	ND	ND	ND	ND
n-Dodecane	0.27	U	0.42	U	0.59	U	0.45
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	ND	ND	ND	ND
TNMOC (speciated)	38.43	50.54	42.84	40.84	39.92	41.99	42.61
TNMOC (w/ unknowns)	51.98	100.81	52.47	65.42	57.33	63.80	67.45

U Under detection limit.

Beluah, North Dakota (BUND) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	BUND 28483	BUND 28636	BUND 28769	BUND 28804	BUND 29005	BUND 29036	BUND 29157
Sampling Date:	7/1/2002	7/7/2002	7/13/2002	7/19/2002	7/25/2002	7/31/2002	8/6/2002
Analysis Date:	8/1/2002	8/2/2002	8/6/2002	8/9/2002	8/14/2002	8/15/2002	9/3/2002
Filename:	L2HA005	L2HB012	L2HF008	L2HI008	L2HM018	L2HO010	L2IC005
Ethylene	3.02	1.24	1.39	1.67	1.76	3.30	1.28
Acetylene	0.35	0.29	0.27	0.64	0.43	0.39	0.44
Ethane	3.36	3.87	2.62	4.79	5.32	3.12	3.76
Propylene	1.83	1.04	1.18	1.47	1.48	2.75	1.09
Propane	2.96	3.41	2.63	4.42	5.47	3.56	3.37
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.74	0.78	0.62	1.04	1.17	0.80	0.78
Isobutene/1-Butene	1.60	1.09	1.10	1.10	1.13	4.05	0.93
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND
n-Butane	1.54	1.43	1.16	2.00	2.45	1.53	1.39
trans-2-Butene	0.41	0.52	0.43	0.47	0.53	0.51	0.52
cis-2-Butene	0.60	0.70	0.63	0.65	0.68	0.65	0.61
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	16.45	1.12	0.89	2.69	1.58	13.21	1.16
1-Pentene	ND	ND	ND	ND	ND	ND	0.49
2-Methyl-1-butene	ND	ND	ND	0.19	ND	0.45	ND
n-Pentane	1.08	0.98	0.94	2.73	1.53	0.95	0.89
Isoprene	0.74	0.66	1.07	0.97	0.88	0.89	0.47
trans-2-Pentene	0.48	0.45	0.42	0.48	0.49	0.51	0.39
cis-2-Pentene	0.61	0.57	0.58	0.62	0.65	0.61	0.47
2-Methyl-2-butene	0.20	ND	ND	ND	ND	ND	ND
2,2-Dimethylbutane	0.79	0.82	0.88	0.92	0.79	0.83	0.76
Cyclopentene	ND	ND	ND	ND	ND	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.59	0.54	0.52	0.59	0.64	0.50	0.55
2,3-Dimethylbutane	0.92	0.93	0.95	1.03	1.02	0.98	0.84
2-Methylpentane	2.23	0.78	0.70	0.74	0.82	2.35	0.84
3-Methylpentane	0.64	0.83	0.84	0.91	0.91	0.62	0.71
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	1.05	0.92	0.92	0.91	1.02	1.03	0.74
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.81	0.72	0.70	1.04	0.95	0.66	0.55
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	1.04	0.57	0.50	0.57	0.59	1.23	0.50
2,4-Dimethylpentane	0.69	0.72	0.74	0.73	0.79	0.68	0.67
Benzene	1.03	0.79	0.82	1.12	0.95	1.06	0.82
Cyclohexane	0.62	0.82	0.81	0.87	0.96	0.90	0.56
2-Methylhexane	0.65	1.06	0.55	0.64	1.10	2.75	0.68
2,3-Dimethylpentane	1.12	1.09	0.96	1.10	1.18	1.05	0.83
3-Methylhexane	0.67	0.47	0.50	0.54	0.48	0.75	0.37
1-Heptene	0.29	ND	ND	ND	ND	0.20	ND
2,2,4-Trimethylpentane	0.60	0.82	0.69	0.84	0.79	0.79	0.57
n-Heptane	0.53	0.45	0.50	0.44	0.50	0.43	0.35
Methylcyclohexane	0.57	0.55	0.73	0.65	0.67	0.66	0.62
2,2,3-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND
2,3,4-Trimethylpentane	0.58	0.44	0.47	0.48	0.43	0.57	0.34
Toluene	1.97	0.84	0.79	1.37	0.94	1.04	0.75
2-Methylheptane	0.39	0.35	0.33	0.33	0.34	0.27	0.31
3-Methylheptane	0.40	0.35	0.38	0.44	0.20	0.45	0.29
1-Octene	ND	ND	ND	ND	0.20	0.21	ND
n-Octane	0.54	0.43	0.50	0.49	0.50	0.53	0.40
Ethylbenzene	0.36	0.23	0.36	0.45	0.35	0.23	0.42
m-Xylene/p-Xylene	0.70	0.44	0.42	0.73	0.41	0.52	ND
Styrene	0.38	0.78	0.97	1.04	1.21	1.96	0.73
o-Xylene	0.38	0.30	0.31	0.40	0.31	0.40	0.24
1-Nonene	ND	ND	ND	ND	ND	ND	ND
n-Nonane	0.31	0.28	0.39	0.34	0.33	0.40	0.27
Isopropylbenzene	0.39	0.44	0.33	0.40	0.42	0.40	0.33
a-Pinene	0.39	0.39	ND	0.46	0.41	2.59	0.40
n-Propylbenzene	0.22	0.24	0.30	0.26	0.21	0.43	0.31
m-Ethyltoluene	0.24	0.22	0.23	0.44	0.32	0.28	0.22
p-Ethyltoluene	0.28	0.35	0.36	0.42	0.33	0.36	0.26
1,3,5-Trimethylbenzene	0.24	0.26	0.27	0.33	0.22	0.26	ND
o-Ethyltoluene	0.22	0.31	0.28	0.39	0.33	0.28	0.24
b-Pinene	ND	0.68	0.70	0.85	1.08	1.21	0.87
1,2,4-Trimethylbenzene	0.41	0.61	0.54	0.76	0.48	0.59	0.35
1-Decane	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.43	0.42	0.43	0.67	0.47	0.55	0.38
1,2,3-Trimethylbenzene	0.68	0.24	0.27	ND	0.73	0.37	ND
m-Diethylbenzene	0.54	0.65	0.57	0.48	0.45	0.90	0.25
p-Diethylbenzene	ND	ND	ND	ND	ND	ND	ND
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.44	0.51	0.59	1.01	0.64	0.63	0.57
1-Dodecene	ND	0.22	0.28	ND	ND	ND	ND
n-Dodecane	0.26	0.51	0.80	1.08	0.73	0.42	0.62
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	0.22	0.34	0.40	0.21	ND	0.27
TNMOC (speciated)	61.57	41.72	39.42	53.57	51.94	70.60	37.81
TNMOC (w/ unknowns)	132.41	66.24	65.22	104.68	91.04	150.40	66.01

U Under detection limit.

Beluah, North Dakota (BUND) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	BUND 29227	BUND 29322	BUND 29515	BUND 29580	BUND 29769	BUND 29859 D1	BUND 29859 R1
Sampling Date:	8/12/2002	8/18/2002	8/24/2002	8/30/2002	9/5/2002	9/11/2002	9/11/2002
Analysis Date:	9/4/2002	9/17/2002		9/24/2002	9/25/2002	10/11/2002	10/15/2002
Filename:	L2ID008	L2IQ006	VOID	L2IX011	L2IX023	L2JJ019	L2JO011
Ethylene	1.38	2.35		1.36	1.36	1.50	1.49
Acetylene	0.47	0.46		0.40	0.73	0.49	0.67
Ethane	3.91	3.71		4.18	4.20	5.47	5.37
Propylene	1.04	1.48		1.17	1.24	1.32	1.25
Propane	3.23	3.78		3.47	4.18	3.18	3.05
Propyne	ND	ND		ND	ND	ND	ND
Isobutane	0.82	0.84		0.71	0.90	1.84	1.73
Isobutene/1-Butene	0.94	2.74		1.04	0.90	1.33	1.23
1,3-Butadiene	ND	ND		ND	ND	ND	ND
n-Butane	1.64	1.51		1.29	1.87	1.69	1.70
trans-2-Butene	0.38	0.44		0.33	0.40	0.39	0.34
cis-2-Butene	0.60	0.59		0.50	0.45	0.51	0.67
3-Methyl-1-butene	ND	ND		ND	ND	ND	ND
Isopentane	1.51	1.22		1.47	1.85	4.91	4.54
1-Pentene	0.46	0.47		ND	ND	ND	0.51
2-Methyl-1-butene	ND	ND		ND	ND	ND	0.10
n-Pentane	1.05	1.02		0.95	1.34	1.31	1.17
Isoprene	0.54	0.43		0.49	0.64	0.51	1.15
trans-2-Pentene	0.37	0.39		0.30	0.35	0.30	0.39
cis-2-Pentene	0.42	0.43		0.41	0.40	0.49	0.42
2-Methyl-2-butene	ND	ND		ND	ND	ND	ND
2,2-Dimethylbutane	0.65	0.82		0.66	0.64	0.61	0.55
Cyclopentene	ND	ND		ND	0.26	0.41	ND
4-Methyl-1-pentene	ND	ND		ND	ND	ND	ND
Cyclopentane	0.48	0.45		0.45	0.48	0.53	0.51
2,3-Dimethylbutane	0.70	0.73		0.71	0.76	0.71	0.63
2-Methylpentane	1.41	1.93		1.20	1.15	0.59	0.52
3-Methylpentane	0.74	0.71		0.82	1.02	0.81	0.76
2-Methyl-1-pentene	ND	ND		ND	ND	ND	ND
1-Hexene	0.65	0.72		0.66	0.67	0.68	0.59
2-Ethyl-1-butene	ND	ND		ND	ND	ND	ND
n-Hexane	0.74	0.64		0.52	0.65	0.67	0.78
trans-2-Hexene	ND	ND		ND	ND	ND	ND
cis-2-Hexene	ND	ND		ND	ND	ND	ND
Methylcyclopentane	0.51	0.68		0.40	0.54	0.66	0.69
2,4-Dimethylpentane	0.72	0.59		0.65	0.61	0.59	0.54
Benzene	0.90	0.81		0.68	0.88	0.78	0.75
Cyclohexane	0.70	0.68		0.60	0.69	1.22	1.25
2-Methylhexane	0.72	1.42		0.54	0.61	0.29	0.31
2,3-Dimethylpentane	0.71	1.04		0.91	0.83	0.65	0.60
3-Methylhexane	0.39	ND		1.70	1.49	0.58	0.40
1-Heptene	ND	ND		ND	0.22	0.34	0.41
2,2,4-Trimethylpentane	0.68	1.08		0.62	0.61	0.64	0.75
n-Heptane	0.36	0.35		0.38	0.39	0.64	0.57
Methylcyclohexane	0.60	0.73		0.67	0.56	0.25	0.44
2,2,3-Trimethylpentane	ND	ND		ND	ND	ND	ND
2,3,4-Trimethylpentane	0.33	0.58		0.33	0.31	0.40	0.40
Toluene	0.82	1.06		1.29	0.92	6.17	5.51
2-Methylheptane	0.27	0.29		0.44	0.38	0.56	0.38
3-Methylheptane	0.32	0.33		0.29	0.34	0.28	0.33
1-Octene	ND	0.22	U	0.21	0.22	0.37	0.37
n-Octane	0.37	0.45		0.44	0.45	0.59	0.53
Ethylbenzene	0.28	0.35		0.24	0.34	0.40	0.33
m-Xylene/p-Xylene	0.39	0.44		0.39	0.36	0.71	0.65
Styrene	0.55	3.39		1.05	1.09	0.33	0.31
o-Xylene	0.24	0.48		0.28	0.36	0.36	0.31
1-Nonene	ND	ND		ND	ND	0.25	0.19
n-Nonane	ND	0.31		0.32	0.26	0.68	0.74
Isopropylbenzene	0.27	0.33		0.34	0.48	0.40	0.62
a-Pinene	0.36	0.47		ND	0.30	ND	ND
n-Propylbenzene	ND	ND		0.20	0.26	0.23	0.33
m-Ethyltoluene	0.21	0.20		0.30	0.29	0.52	0.42
p-Ethyltoluene	0.20	0.22	U	0.26	0.24	0.30	0.26
1,3,5-Trimethylbenzene	0.19	0.20		0.28	0.26	0.36	0.41
o-Ethyltoluene	0.26	0.22	U	ND	ND	0.39	0.40
b-Pinene	0.43	ND		0.98	0.81	0.36	0.23
1,2,4-Trimethylbenzene	0.42	0.40		0.53	0.64	0.67	0.62
1-Decene	ND	ND		ND	ND	ND	ND
n-Decane	0.31	0.42		0.67	0.38	1.57	ND
1,2,3-Trimethylbenzene	0.19	ND		ND	ND	0.23	0.18
m-Diethylbenzene	0.42	0.39		ND	0.35	ND	0.23
p-Diethylbenzene	ND	ND		ND	ND	ND	ND
1-Undecene	ND	ND		ND	ND	ND	ND
n-Undecane	0.42	0.40		1.41	0.45	4.43	3.98
1-Dodecene	ND	ND		ND	ND	0.28	ND
n-Dodecane	0.50	0.30	U	1.16	0.26	3.54	3.13
1-Tridecene	ND	ND		ND	ND	ND	ND
n-Tridecane	0.22	ND		0.29	ND	ND	ND
TNMOC (speciated)	38.35	46.67		41.92	43.60	61.25	57.69
TNMOC (w/ unknowns)	55.78	124.51		77.71	68.65	92.48	87.68

U Under detection limit.

Beluah, North Dakota (BUND) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	BUND 29861 D2	BUND 29861 R2	BUND 29906	BUND 30007	BUND 30044	BUND 30138	BUND 30190
Sampling Date:	9/11/2002	9/11/2002	9/17/2002	9/23/2002	9/29/2002	10/5/2002	10/11/2002
Analysis Date:	10/11/2002	10/15/2002	10/16/2002	10/17/2002	10/18/2002	10/23/2002	10/25/2002
Filename:	L2JJ020	L2J0012	L2JP006	L2JQ007	L2JQ019	L2JV017	L2JX016
Ethylene	1.71	1.82	1.46	1.33	1.17	1.35	1.68
Acetylene	0.66	0.67	0.44	0.50	0.54	0.82	0.73
Ethane	6.04	6.18	6.46	4.34	4.92	5.88	6.25
Propylene	1.29	1.37	1.08	0.91	0.79	0.90	1.07
Propane	4.12	3.82	6.03	2.91	3.83	4.90	4.77
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	4.76	4.58	1.41	0.79	1.30	1.24	1.24
Isobutene/1-Butene	1.52	1.46	0.93	0.80	0.87	1.16	0.91
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND
n-Butane	1.97	1.91	3.14	1.46	1.47	2.42	2.29
trans-2-Butene	0.42	0.36	0.36	0.28	0.30	0.39	0.37
cis-2-Butene	0.50	0.51	0.44	0.48	0.45	0.43	0.48
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	12.55	12.22	2.17	1.68	1.30	3.16	1.87
1-Pentene	0.60	ND	ND	ND	ND	ND	ND
2-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Pentane	5.33	5.10	1.54	0.83	0.78	5.75	1.33
Isoprene	1.36	1.46	0.40	0.51	0.33	0.59	0.28
trans-2-Pentene	0.45	0.42	0.29	0.33	0.28	0.44	0.29
cis-2-Pentene	0.44	0.45	0.35	0.38	0.40	0.42	0.37
2-Methyl-2-butene	0.20	U	ND	ND	ND	0.19	ND
2,2-Dimethylbutane	0.57	0.63	0.54	0.59	0.59	0.68	0.61
Cyclopentene	0.27	ND	ND	ND	ND	0.33	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.80	0.57	0.56	0.43	0.45	0.68	0.49
2,3-Dimethylbutane	0.80	0.78	0.73	0.70	0.70	0.73	0.74
2-Methylpentane	1.02	0.94	0.67	0.45	0.45	0.88	0.54
3-Methylpentane	0.90	1.00	0.64	0.65	0.54	0.98	0.67
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.55	0.71	0.60	0.68	0.61	0.48	0.51
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.73	0.94	0.84	0.52	0.44	1.37	0.62
trans-2-Hexene	0.63	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.57	0.83	0.65	0.45	0.35	0.80	0.51
2,4-Dimethylpentane	0.57	0.63	0.53	0.57	0.56	0.52	0.54
Benzene	0.97	0.91	0.87	0.91	0.89	1.05	1.09
Cyclohexane	2.57	2.35	0.94	0.68	0.63	1.37	0.63
2-Methylhexane	0.69	1.63	0.90	0.72	ND	0.30	ND
2,3-Dimethylpentane	0.87	1.08	0.74	0.93	0.94	0.51	0.52
3-Methylhexane	1.20	1.04	0.82	1.24	0.60	0.37	1.25
1-Heptene	0.23	U	ND	0.20	U	ND	0.26
2,2,4-Trimethylpentane	0.74	0.74	0.50	0.60	0.57	0.39	0.48
n-Heptane	1.61	1.47	0.51	0.31	0.38	0.59	0.43
Methylcyclohexane	0.64	0.61	0.50	0.44	0.42	0.53	0.40
2,2,3-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND
2,3,4-Trimethylpentane	0.55	0.65	0.45	0.45	0.55	0.48	0.24
Toluene	8.87	8.18	0.88	3.54	3.18	15.94	2.55
2-Methylheptane	0.34	0.41	0.42	0.63	0.46	0.43	0.48
3-Methylheptane	0.36	0.34	0.39	0.39	0.30	0.34	0.38
1-Octene	0.22	U	ND	0.30	ND	ND	ND
n-Octane	0.59	0.62	0.52	0.55	0.45	0.54	0.52
Ethylbenzene	0.47	0.37	0.25	0.36	0.55	0.57	0.37
m-Xylene/p-Xylene	0.87	0.82	0.48	0.47	0.41	0.66	0.43
Styrene	0.23	0.60	0.77	0.44	0.48	0.35	0.71
o-Xylene	0.52	0.47	0.30	0.27	0.22	0.41	0.38
1-Nonene	ND	ND	ND	0.20	U	ND	ND
n-Nonane	0.77	0.72	0.39	0.39	0.31	0.45	0.33
Isopropylbenzene	0.45	0.54	0.43	0.53	0.33	0.41	0.37
a-Pinene	0.46	0.60	ND	ND	0.91	ND	ND
n-Propylbenzene	0.34	0.33	0.20	U	ND	0.25	U
m-Ethyltoluene	0.42	0.41	0.25	0.23	0.22	0.51	0.23
p-Ethyltoluene	0.33	U	0.36	0.25	U	0.28	U
1,3,5-Trimethylbenzene	0.38	0.34	0.20	0.22	0.23	0.46	0.37
o-Ethyltoluene	0.59	0.38	0.39	0.30	0.23	U	0.29
b-Pinene	0.41	0.32	ND	ND	ND	0.53	0.37
1,2,4-Trimethylbenzene	0.73	0.64	0.48	0.47	0.30	0.76	0.47
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	3.74	1.47	1.69	1.39	1.05	2.24	0.47
1,2,3-Trimethylbenzene	0.41	ND	0.22	0.22	ND	0.74	0.20
m-Diethylbenzene	0.23	U	ND	ND	ND	ND	0.29
p-Diethylbenzene	0.26	ND	ND	ND	ND	ND	ND
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	4.59	3.95	0.57	0.44	0.61	6.68	0.46
1-Dodecene	0.20	U	ND	ND	ND	ND	ND
n-Dodecane	3.72	3.40	1.19	0.46	U	0.67	U
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	ND	ND	ND	ND
TNMOC (speciated)	91.88	85.66	48.71	41.35	39.54	81.08	45.49
TNMOC (w/ unknowns)	147.17	129.40	77.21	64.96	63.78	101.16	68.02

U Under detection limit.

Beluah, North Dakota (BUND) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	BUND 30311	BUND 30399 D1	BUND 30399 R1	BUND 30401 D2	BUND 30401 R2	BUND 30446	BUND 30535		
Sampling Date:	10/17/2002	10/23/2002	10/23/2002	10/23/2002	10/23/2002	10/29/2002	11/4/2002		
Analysis Date:	10/31/2002	11/23/2002	11/25/2002	11/25/2002	11/27/2002	11/26/2002	12/4/2002		
Filename:	L2J\$014	L2KV024	L2KY007	L2KY008	L2KZ012	L2KZ007	L2LC018		
Ethylene	2.06	1.23	1.96	2.80	2.88	1.26	2.50		
Acetylene	0.71	0.67	0.61	1.86	2.05	0.66	0.90		
Ethane	8.62	5.00	4.90	6.49	6.31	5.51	11.50		
Propylene	1.21	0.57	1.07	1.20	1.05	0.73	1.35		
Propane	6.46	3.08	3.20	5.11	4.11	3.09	8.50		
Propyne	ND	ND	ND	ND	ND	ND	ND		
Isobutane	2.01	0.52	1.03	1.65	1.31	0.92	2.28		
Isobutene/1-Butene	0.95	0.38	0.72	1.20	0.88	0.28	0.64		
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND		
n-Butane	3.67	1.04	1.42	3.42	3.01	1.63	4.08		
trans-2-Butene	0.68	ND	0.44	0.56	0.35	0.26	0.49		
cis-2-Butene	0.99	ND	0.56	0.65	0.39	0.34	0.75		
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND		
Isopentane	2.82	0.66	1.25	2.80	2.52	1.17	2.88		
1-Pentene	ND	ND	ND	ND	0.26	ND	0.57		
2-Methyl-1-butene	ND	ND	ND	ND	0.14	U	ND		
n-Pentane	1.84	0.39	0.76	1.35	1.05	0.75	1.94		
Isoprene	0.56	ND	0.31	0.43	0.24	ND	0.35		
trans-2-Pentene	0.61	ND	0.37	0.48	0.29	ND	0.52		
cis-2-Pentene	0.78	ND	0.51	0.58	0.32	0.29	0.67		
2-Methyl-2-butene	ND	ND	ND	ND	ND	ND	ND		
2,2-Dimethylbutane	1.25	ND	1.02	1.20	0.74	0.61	1.11		
Cyclopentene	ND	0.23	U	ND	ND	ND	ND		
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND		
Cyclopentane	0.81	ND	0.50	0.79	0.43	0.46	0.65		
2,3-Dimethylbutane	1.48	ND	1.12	1.31	0.72	0.61	1.22		
2-Methylpentane	0.89	0.26	0.62	0.84	0.75	0.39	0.87		
3-Methylpentane	1.39	0.24	0.90	1.20	0.85	0.62	0.47		
2-Methyl-1-pentene	ND	0.38	ND	ND	ND	0.39	ND		
1-Hexene	1.04	0.41	1.51	1.44	0.78	0.85	0.95		
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND		
n-Hexane	1.12	0.22	0.63	0.86	0.72	0.46	1.13		
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND		
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND		
Methylcyclopentane	0.93	ND	0.49	0.83	0.60	0.43	0.79		
2,4-Dimethylpentane	1.09	ND	0.91	0.99	0.54	0.44	0.99		
Benzene	1.76	1.08	1.42	1.36	1.42	1.03	1.30		
Cyclohexane	1.19	ND	1.00	1.21	0.76	0.67	1.31		
2-Methylhexane	1.28	ND	1.22	ND	ND	ND	0.30		
2,3-Dimethylpentane	1.83	ND	1.75	1.99	0.52	0.47	1.75		
3-Methylhexane	ND	0.52	1.20	0.98	0.99	0.73	0.97		
1-Heptene	ND	ND	ND	ND	ND	0.32	ND		
2,2,4-Trimethylpentane	0.78	0.50	0.99	1.22	0.97	0.44	0.82		
n-Heptane	1.06	0.65	0.69	0.82	0.49	0.33	0.84		
Methylcyclohexane	1.04	ND	0.77	0.94	0.74	0.38	0.86		
2,2,3-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND		
2,3,4-Trimethylpentane	0.77	ND	0.65	0.60	0.33	0.37	0.56		
Toluene	5.43	0.54	0.97	2.10	2.09	1.52	1.10		
2-Methylheptane	0.60	ND	0.52	0.58	0.32	0.32	0.50		
3-Methylheptane	0.59	ND	0.65	0.66	0.33	0.34	0.68		
1-Octene	ND	ND	ND	ND	ND	ND	ND		
n-Octane	0.89	0.34	0.60	0.61	0.45	0.43	0.70		
Ethylbenzene	1.12	ND	0.49	0.62	0.22	0.47	0.42		
m-Xylene/p-Xylene	1.35	ND	0.73	1.08	0.82	1.38	0.73		
Styrene	ND	ND	ND	ND	ND	ND	0.34		
o-Xylene	0.95	0.43	0.80	0.75	0.51	0.59	0.42		
1-Nonene	ND	ND	ND	ND	ND	0.22	U	ND	
n-Nonane	0.63	ND	0.55	0.62	0.40	0.56	0.56		
Isopropylbenzene	1.28	ND	0.97	0.89	0.35	0.35	0.61		
a-Pinene	ND	ND	ND	ND	ND	ND	ND		
n-Propylbenzene	0.71	ND	0.47	0.52	0.29	0.25	U	0.46	
m-Ethyltoluene	0.77	ND	0.35	0.58	0.33	0.42	0.29		
p-Ethyltoluene	0.81	ND	0.48	0.66	0.23	U	0.37	0.43	
1,3,5-Trimethylbenzene	0.82	ND	0.51	0.59	0.25	0.36	0.33		
o-Ethyltoluene	0.84	ND	0.58	0.53	0.26	U	0.22	U	0.44
b-Pinene	ND	ND	ND	ND	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	0.99	0.38	0.64	0.74	0.47	0.72	0.54		
1-Decene	ND	ND	ND	ND	ND	ND	ND		
n-Decane	0.82	ND	0.51	0.65	0.55	1.07	0.64		
1,2,3-Trimethylbenzene	0.53	ND	0.30	0.56	0.24	ND	ND		
m-Diethylbenzene	ND	ND	0.35	0.33	ND	ND	0.35		
p-Diethylbenzene	ND	ND	ND	ND	ND	ND	ND		
1-Undecene	ND	ND	ND	ND	ND	ND	ND		
n-Undecane	0.43	0.34	0.69	0.57	0.56	0.57	0.77		
1-Dodecene	ND	ND	ND	ND	ND	ND	ND		
n-Dodecane	ND	0.83	1.25	0.88	0.51	U	ND	0.84	
1-Tridecene	ND	ND	ND	ND	ND	ND	ND		
n-Tridecane	ND	ND	ND	ND	ND	ND	ND		
TNMOC (speciated)	73.22	20.88	48.87	63.67	48.67	37.05	67.95		
TNMOC (w/ unknowns)	87.22	54.13	74.61	90.10	67.87	64.31	90.67		

U Under detection limit.

Beluah, North Dakota (BUND) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	BUND 30618	BUND 30745	BUND 30810	BUND 30938	BUND 30989	BUND 31078	BUND 31240
Sampling Date:	11/10/2002	11/16/2002	11/22/2002	11/28/2002	12/4/2002	12/10/2002	12/16/2002
Analysis Date:	12/13/2002	12/19/2002	12/18/2002	12/21/2002	1/2/2003	1/8/2003	1/11/2003
Filename:	N2LM009	N2LR012	N2LQ017	N2LT016	L3AB016	L3AG022	N3AJ014
Ethylene	1.50	2.36	0.90	0.88	2.40	1.73	3.22
Acetylene	0.76	1.81	0.94	0.72	1.32	0.93	1.22
Ethane	6.45	9.11	5.55	6.15	11.29	17.12	5.96
Propylene	0.64	0.89	0.40	0.39	0.77	1.10	1.33
Propane	6.30	10.46	5.24	6.08	8.60	17.53	6.32
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	1.45	3.54	1.29	1.40	2.49	4.64	1.32
Isobutene/1-Butene	1.42	0.74	0.44	0.34	0.72	5.14	3.11
1,3-Butadiene	ND	0.10	U	ND	ND	ND	ND
n-Butane	3.46	5.95	3.02	3.61	5.97	12.10	3.50
trans-2-Butene	0.11	U	ND	ND	ND	ND	ND
cis-2-Butene	0.17	U	ND	ND	ND	ND	ND
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	1.60	5.00	1.70	1.40	3.62	5.59	2.08
1-Pentene	ND	ND	ND	0.07	U	ND	0.36
2-Methyl-1-butene	ND	ND	ND	ND	ND	0.51	0.19
n-Pentane	1.44	13.03	1.36	1.26	2.36	4.88	1.38
Isoprene	0.14	0.13	ND	ND	ND	0.30	0.21
trans-2-Pentene	0.12	U	0.11	U	ND	ND	ND
cis-2-Pentene	0.15	U	0.11	U	ND	ND	ND
2-Methyl-2-butene	ND	ND	ND	ND	ND	ND	ND
2,2-Dimethylbutane	0.22	4.39	ND	ND	ND	ND	0.11
Cyclopentene	ND	0.25	ND	0.34	ND	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.22	0.26	0.10	U	0.11	U	0.45
2,3-Dimethylbutane	0.28	0.25	0.19	0.12	U	0.24	0.19
2-Methylpentane	0.48	0.86	0.63	0.42	0.69	1.11	1.38
3-Methylpentane	0.45	0.66	0.59	0.20	2.07	3.76	1.93
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.27	0.19	U	0.23	U	0.34	0.75
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.49	1.59	0.72	0.50	0.84	1.50	1.25
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	0.60
Methylcyclopentane	0.36	0.92	0.29	0.20	0.39	0.85	0.20
2,4-Dimethylpentane	0.16	U	0.47	0.09	U	ND	0.44
Benzene	0.95	1.33	0.97	0.82	1.23	1.28	1.08
Cyclohexane	0.31	1.39	0.16	0.20	0.34	0.52	ND
2-Methylhexane	0.14	U	0.61	0.50	ND	ND	ND
2,3-Dimethylpentane	0.17	U	0.30	U	0.28	U	0.32
3-Methylhexane	0.22	0.54	0.29	0.12	U	3.25	6.85
1-Heptene	0.12	U	0.25	0.24	U	ND	0.51
2,2,4-Trimethylpentane	0.27	0.51	0.35	0.31	1.22	0.78	0.86
n-Heptane	0.35	0.67	0.26	0.29	0.42	0.74	0.31
Methylcyclohexane	0.26	0.40	0.18	0.25	0.23	1.53	1.38
2,2,3-Trimethylpentane	0.12	U	ND	ND	ND	ND	1.18
2,3,4-Trimethylpentane	0.19	U	0.18	U	0.13	U	0.34
Toluene	0.75	3.91	1.02	0.50	1.18	1.31	1.97
2-Methylheptane	0.16	U	0.08	U	ND	0.23	U
3-Methylheptane	0.17	ND	0.08	U	ND	ND	ND
1-Octene	ND	ND	ND	ND	ND	ND	ND
n-Octane	0.29	1.02	0.17	0.12	U	ND	0.58
Ethylbenzene	0.17	0.72	0.15	U	ND	ND	0.23
m-Xylene/p-Xylene	0.31	2.17	0.56	0.25	0.77	1.50	1.75
Styrene	0.12	0.22	ND	ND	ND	ND	ND
o-Xylene	0.13	U	1.21	0.33	0.42	ND	6.02
1-Nonene	ND	0.21	U	ND	ND	ND	0.30
n-Nonane	0.16	0.23	0.10	U	ND	0.80	0.29
Isopropylbenzene	0.12	U	ND	ND	ND	0.25	U
a-Pinene	ND	0.70	ND	ND	0.67	4.24	1.09
n-Propylbenzene	0.12	U	0.16	U	0.11	U	ND
m-Ethyltoluene	0.12	U	0.25	0.14	U	0.11	U
p-Ethyltoluene	0.17	U	0.12	U	0.07	U	0.12
1,3,5-Trimethylbenzene	0.13	U	0.13	U	0.06	U	ND
o-Ethyltoluene	ND	0.11	U	ND	ND	ND	ND
b-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.19	0.39	0.48	0.16	U	ND	ND
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	2.19	1.02	0.08	U	0.17	U	ND
1,2,3-Trimethylbenzene	ND	0.08	U	ND	ND	ND	ND
m-Diethylbenzene	ND	ND	ND	ND	ND	ND	ND
p-Diethylbenzene	ND	ND	ND	ND	ND	ND	0.31
1-Undecene	ND	ND	ND	ND	ND	ND	0.51
n-Undecane	9.76	2.84	0.22	U	0.40	U	0.48
1-Dodecene	ND	ND	ND	ND	ND	ND	0.26
n-Dodecane	2.63	0.95	0.14	U	0.26	U	0.52
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	ND	ND	ND	0.31
TNMOC (speciated)	49.41	85.88	30.82	29.13	56.01	105.12	105.51
TNMOC (w/ unknowns)	102.85	109.58	64.46	47.34	177.70	300.84	332.41

U Under detection limit.

Beluah, North Dakota (BUND) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	BUND 31291	BUND 31410
Sampling Date:	12/22/2002	12/28/2002
Analysis Date:	1/13/2003	1/14/2003
Filename:	L3AM010	L3AM015
Ethylene	1.11	0.95
Acetylene	0.88	1.12
Ethane	7.58	11.10
Propylene	0.68	0.74
Propane	6.50	11.33
Propyne	ND	ND
Isobutane	1.53	2.49
Isobutene/1-Butene	ND	0.50
1,3-Butadiene	ND	ND
n-Butane	3.41	6.23
trans-2-Butene	ND	ND
cis-2-Butene	ND	ND
3-Methyl-1-butene	ND	ND
Isopentane	2.30	2.77
1-Pentene	0.24	0.21
2-Methyl-1-butene	ND	ND
n-Pentane	1.45	2.68
Isoprene	ND	ND
trans-2-Pentene	ND	ND
cis-2-Pentene	ND	ND
2-Methyl-2-butene	ND	ND
2,2-Dimethylbutane	ND	ND
Cyclopentene	ND	ND
4-Methyl-1-pentene	ND	ND
Cyclopentane	0.37	0.35
2,3-Dimethylbutane	0.23	0.19
2-Methylpentane	0.46	0.76
3-Methylpentane	0.95	1.15
2-Methyl-1-pentene	ND	ND
1-Hexene	0.31	ND
2-Ethyl-1-butene	ND	ND
n-Hexane	0.57	1.11
trans-2-Hexene	ND	ND
cis-2-Hexene	ND	ND
Methylcyclopentane	0.27	0.43
2,4-Dimethylpentane	ND	ND
Benzene	1.11	1.23
Cyclohexane	ND	0.42
2-Methylhexane	ND	ND
2,3-Dimethylpentane	ND	ND
3-Methylhexane	1.13	1.11
1-Heptene	0.30	0.24
2,2,4-Trimethylpentane	0.19	U
n-Heptane	0.23	U
Methylcyclohexane	ND	0.32
2,2,3-Trimethylpentane	ND	ND
2,3,4-Trimethylpentane	ND	ND
Toluene	1.11	1.21
2-Methylheptane	ND	ND
3-Methylheptane	ND	ND
1-Octene	ND	ND
n-Octane	ND	0.26
Ethylbenzene	0.21	0.23
m-Xylene/p-Xylene	0.43	0.56
Styrene	0.27	ND
o-Xylene	0.20	0.22
1-Nonene	ND	ND
n-Nonane	ND	ND
Isopropylbenzene	ND	ND
a-Pinene	ND	ND
n-Propylbenzene	ND	ND
m-Ethyltoluene	ND	ND
p-Ethyltoluene	ND	ND
1,3,5-Trimethylbenzene	ND	ND
o-Ethyltoluene	ND	ND
b-Pinene	ND	ND
1,2,4-Trimethylbenzene	ND	0.20
1-Decene	ND	ND
n-Decane	ND	0.19
1,2,3-Trimethylbenzene	ND	ND
m-Diethylbenzene	ND	ND
p-Diethylbenzene	ND	ND
1-Undecene	ND	ND
n-Undecane	0.19	U
1-Dodecene	ND	ND
n-Dodecane	0.23	U
1-Tridecene	ND	ND
n-Tridecane	ND	ND
TNMOC (speciated)	34.43	51.26
TNMOC (w/ unknowns)	68.81	95.32

Beluah, North Dakota (BUND) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbV)

Sample No.:	BUND 24881	BUND 25003	BUND 25142	BUND 25314	BUND 25396 D1	BUND 25396 R1	BUND 25398 D2
Sampling Date:	1/2/2002	1/8/2002	1/14/2002	1/20/2002	1/26/2002	1/26/2002	1/26/2002
Analysis Date:	1/25/2002	2/6/2002	1/29/2002	1/29/2002	2/1/2002	2/6/2002	2/1/2002
Filename:	L2AX022	L2AY015	L2A#004	L2A#012	L2BA014	L2BE018	L2BA015
Ethylene	0.94	29.56	1.23	0.84	0.86	0.93	0.87
Acetylene	0.72	32.52	0.95	0.59	0.79	0.85	0.84
Ethane	5.21	13.12	4.79	3.87	4.72	4.88	4.81
Propylene	0.29	8.63	0.33	0.25	0.23	0.21	0.18
Propane	2.97	11.72	2.92	2.28	2.78	2.84	2.79
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.62	46.21	0.61	0.54	0.86	0.81	0.79
Isobutene/1-Butene	0.24	3.85	0.23	0.20	0.24	0.17	0.23
1,3-Butadiene	ND	1.50	ND	ND	ND	ND	ND
n-Butane	1.22	30.03	1.50	1.13	1.43	1.40	1.34
trans-2-Butene	0.07	2.77	0.09	0.07	0.07	0.07	0.06
cis-2-Butene	0.10	2.67	0.11	0.11	0.10	0.11	0.11
3-Methyl-1-butene	ND	0.60	ND	ND	ND	ND	ND
Isopentane	0.62	162.53	1.12	0.53	0.93	0.90	0.74
1-Pentene	0.08	1.43	0.07	0.08	0.08	0.08	0.07
2-Methyl-1-butene	ND	2.78	ND	ND	ND	ND	ND
n-Pentane	0.49	201.62	0.83	0.39	0.66	0.64	0.57
Isoprene	ND	0.85	0.07	0.06	0.06	0.06	0.41
trans-2-Pentene	0.07	2.86	0.07	0.05	0.07	0.07	0.05
cis-2-Pentene	0.07	1.67	0.08	0.09	0.07	0.09	0.08
2-Methyl-2-butene	ND	3.79	0.05	ND	ND	ND	ND
2,2-Dimethylbutane	0.11	0.98	0.12	0.09	0.10	0.09	0.12
Cyclopentene	ND	1.24	ND	0.07	ND	ND	ND
4-Methyl-1-pentene	ND	0.18	ND	ND	ND	ND	ND
Cyclopentane	0.09	15.96	0.14	0.09	0.11	0.13	0.09
2,3-Dimethylbutane	0.12	1.88	0.13	0.11	0.13	0.13	0.12
2-Methylpentane	0.17	8.46	0.27	0.21	0.19	0.21	0.17
3-Methylpentane	0.16	7.61	0.17	0.14	0.16	0.15	0.15
2-Methyl-1-pentene	ND	0.60	ND	ND	ND	ND	ND
1-Hexene	0.10	0.42	0.10	0.09	0.10	0.09	0.10
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.19	19.96	0.19	0.17	0.21	0.20	0.21
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	0.36	ND	ND	ND	ND	ND
Methylcyclopentane	0.10	7.54	0.12	0.09	0.12	0.12	0.11
2,4-Dimethylpentane	0.09	0.76	0.09	0.08	0.07	0.07	0.09
Benzene	0.22	6.53	0.28	0.21	0.25	0.23	0.23
Cyclohexane	0.15	4.21	0.13	0.12	0.15	0.13	0.15
2-Methylhexane	0.21	1.68	0.25	0.23	0.19	0.19	0.19
2,3-Dimethylpentane	0.17	1.05	0.16	0.16	0.14	0.14	0.16
3-Methylhexane	0.12	2.48	0.11	0.07	0.11	0.12	0.12
1-Heptene	ND	ND	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	0.09	2.41	0.12	0.10	0.09	0.07	0.08
n-Heptane	0.08	1.87	0.11	0.07	0.08	0.07	0.07
Methylcyclohexane	0.08	1.22	0.15	0.09	0.10	0.11	0.08
2,2,3-Trimethylpentane	ND	0.40	ND	ND	ND	ND	ND
2,3,4-Trimethylpentane	0.04	0.89	0.05	0.04	0.04	0.03	0.04
Toluene	0.25	39.35	0.53	0.14	0.55	0.52	0.35
2-Methylheptane	0.04	0.59	0.04	0.04	0.03	0.03	0.04
3-Methylheptane	0.03	0.57	0.05	0.03	0.03	0.03	0.03
1-Octene	ND	0.06	ND	ND	ND	ND	ND
n-Octane	0.06	0.74	0.06	0.04	0.04	0.05	0.05
Ethylbenzene	0.06	4.71	0.09	0.04	0.06	0.05	0.05
m-Xylene/p-Xylene	0.29	13.56	0.27	0.03	0.20	0.22	0.08
Styrene	ND	2.32	ND	0.15	ND	ND	ND
o-Xylene	0.10	4.52	0.10	0.03	0.09	0.08	0.04
1-Nonene	ND	0.22	ND	ND	ND	ND	ND
n-Nonane	0.04	0.99	0.05	0.03	ND	0.04	0.03
Isopropylbenzene	0.03	0.14	0.03	0.04	0.04	0.03	0.04
α-Pinene	0.07	1.10	0.28	0.02	0.09	0.11	0.09
n-Propylbenzene	0.03	0.45	0.02	0.03	0.03	0.03	0.03
m-Ethyltoluene	0.03	1.51	0.04	0.03	0.03	0.03	0.02
p-Ethyltoluene	0.03	0.78	0.04	0.03	0.03	0.03	0.03
1,3,5-Trimethylbenzene	ND	1.07	0.04	0.02	0.03	0.03	0.03
o-Ethyltoluene	0.02	0.94	0.04	0.03	ND	0.02	0.03
β-Pinene	ND	0.33	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.04	2.35	0.06	0.04	0.05	0.04	0.04
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.03	11.39	0.08	0.04	0.06	0.06	0.20
1,2,3-Trimethylbenzene	ND	0.74	ND	ND	0.04	ND	ND
m-Diethylbenzene	ND	0.17	ND	ND	ND	ND	ND
p-Diethylbenzene	ND	0.13	ND	ND	ND	ND	ND
1-Undecene	ND	0.17	ND	ND	ND	ND	ND
n-Undecane	0.03	40.46	0.09	0.11	0.11	0.11	0.29
1-Dodecene	ND	ND	ND	ND	ND	ND	ND
n-Dodecane	0.02	28.03	0.04	0.15	0.11	0.08	0.07
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	3.63	ND	ND	ND	ND	ND
TNMOc (speciated) in ppbv	17.18	810.43	19.69	14.36	17.93	17.96	17.74
TNMOc (w/ unknowns) in ppbC	69.08	4772.38	96.02	70.95	75.48	76.96	76.43

U Under detection limit.

Beluah, North Dakota (BUND) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbV)

Sample No.:	BUND 25398 R2	BUND 25558	BUND 25630	BUND 25801	BUND 25854	BUND 26061 D1	BUND 26061 R1
Sampling Date:	1/26/2002	2/1/2002	2/7/2002	2/13/2002	2/19/2002	2/25/2002	2/25/2002
Analysis Date:	2/6/2002	2/28/2002	3/1/2002	3/1/2002	3/6/2002	3/7/2002	3/7/2002
Filename:	L2BE019	L2B-018	L2B1012	L2B1023	L2CE016	L2CF018	L2CG011
Ethylene	0.81	1.07	0.94	1.10	0.78	0.57	0.57
Acetylene	0.84	0.80	0.52	0.93	0.59	0.66	0.61
Ethane	4.74	8.32	3.63	4.60	2.96	3.56	3.53
Propylene	0.20	0.41	0.40	0.33	0.38	0.25	0.24
Propane	2.57	7.51	2.44	3.81	1.75	2.03	1.89
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.77	0.99	0.41	1.39	0.31	0.38	0.36
Isobutene/1-Butene	0.21	0.28	0.24	0.27	0.30	0.21	0.20
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND
n-Butane	1.30	2.75	0.95	1.40	0.64	0.76	0.72
trans-2-Butene	0.06	0.09	0.10	0.09	0.09	0.07	0.09
cis-2-Butene	0.09	0.13	0.13	0.11	0.11	0.12	0.13
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	0.71	0.76	0.36	0.62	0.35	0.36	0.35
1-Pentene	0.09	0.09	0.09	0.09	0.12	0.07	0.08
2-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Pentane	0.56	1.08	0.34	0.42	0.24	0.32	0.28
Isoprene	0.36	0.09	0.09	0.07	0.06	0.08	0.08
trans-2-Pentene	0.06	0.07	0.06	0.07	0.07	0.07	0.06
cis-2-Pentene	0.07	0.08	0.09	0.08	0.08	0.09	0.09
2-Methyl-2-butene	ND	0.07	ND	ND	ND	ND	ND
2,2-Dimethylbutane	0.10	0.11	0.10	0.33	0.11	0.09	0.10
Cyclopentene	ND	ND	ND	ND	ND	0.04	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.12	0.13	0.10	0.09	0.09	0.10	0.07
2,3-Dimethylbutane	0.11	0.12	0.12	0.41	0.12	0.11	0.12
2-Methylpentane	0.15	0.29	0.38	1.79	0.23	0.12	0.13
3-Methylpentane	0.16	0.18	0.11	0.61	0.14	0.11	0.14
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.09	0.12	0.13	0.12	0.15	0.13	0.12
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.19	0.44	0.16	0.21	0.14	0.14	0.15
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.13	0.15	0.17	0.12	0.08	0.08	0.09
2,4-Dimethylpentane	0.08	0.08	0.08	0.08	0.08	0.08	0.09
Benzene	0.24	0.35	0.22	0.27	0.23	0.27	0.26
Cyclohexane	0.14	0.16	0.13	0.15	0.11	0.11	0.13
2-Methylhexane	0.18	0.17	0.29	0.15	0.15	0.14	0.16
2,3-Dimethylpentane	0.14	0.14	0.13	0.13	0.13	0.14	0.13
3-Methylhexane	0.11	0.08	ND	0.06	0.06	0.06	0.05
1-Heptene	ND	0.03	U	ND	0.04	ND	ND
2,2,4-Trimethylpentane	0.06	0.09	0.08	0.08	0.07	0.07	0.07
n-Heptane	0.08	0.16	0.08	0.08	0.08	0.06	0.06
Methylcyclohexane	0.08	0.11	0.08	0.12	0.08	0.07	0.08
2,2,3-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND
2,3,4-Trimethylpentane	ND	0.05	0.07	0.05	0.04	0.04	0.04
Toluene	0.36	0.20	0.15	0.22	0.14	0.15	0.14
2-Methylheptane	0.03	0.03	U	0.04	0.04	0.04	ND
3-Methylheptane	0.03	0.03	0.03	0.04	0.04	0.04	0.04
1-Octene	ND	ND	0.03	ND	0.03	U	ND
n-Octane	0.05	0.07	0.05	0.05	0.05	0.05	0.05
Ethylbenzene	0.04	0.04	0.03	0.04	0.03	0.03	0.03
m-Xylene/p-Xylene	0.06	0.08	0.03	0.08	0.06	0.05	0.05
Styrene	ND	0.03	0.96	0.06	0.04	0.03	ND
o-Xylene	0.04	0.04	0.05	0.04	0.03	0.02	ND
1-Nonene	ND	ND	ND	ND	ND	ND	ND
n-Nonane	0.04	0.03	ND	0.03	0.03	0.04	ND
Isopropylbenzene	0.03	U	0.03	U	0.04	0.04	0.03
α-Pinene	0.08	ND	ND	0.10	ND	ND	ND
n-Propylbenzene	ND	ND	0.04	ND	0.03	U	0.02
m-Ethyltoluene	0.02	0.02	0.03	0.03	0.03	0.09	0.09
p-Ethyltoluene	0.02	U	0.02	U	0.03	U	0.03
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND
o-Ethyltoluene	ND	ND	ND	0.03	U	0.03	ND
β-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.04	0.04	0.03	0.05	0.04	0.03	0.04
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.19	0.06	0.04	0.09	0.02	0.03	0.04
1,2,3-Trimethylbenzene	ND	ND	0.16	0.03	ND	0.03	ND
m-Diethylbenzene	ND	ND	0.07	ND	ND	ND	ND
p-Diethylbenzene	ND	ND	ND	ND	ND	ND	ND
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.26	0.10	0.10	0.30	0.03	0.07	0.06
1-Dodecene	ND	ND	ND	ND	ND	ND	ND
n-Dodecane	0.05	U	0.25	0.31	0.05	U	0.08
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	0.08	0.05	U	0.06	0.04	U
TNMOC (speciated) in ppbv	16.95	28.71	15.35	21.87	11.76	12.49	11.96
TNMOC (w/ unknowns) in ppbC	72.31	117.36	126.59	110.94	64.82	58.67	54.35

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(Reported in ppbV)

Sample No.:	BUND 26063 D2	BUND 26063 R2	BUND 26134	BUND 26301	BUND 26382	BUND 26457	BUND 26547
Sampling Date:	2/25/2002	2/25/2002	3/3/2002	3/9/2002	3/15/2002	3/21/2002	3/27/2002
Analysis Date:	3/7/2002	3/7/2002	3/8/2002	3/20/2002	3/25/2002	4/5/2002	4/6/2002
Filename:	L2CF019	L2CG012	L2CG024	L2CT010	L2CY014	L2DE007	L2DE015
Ethylene	0.59	0.61	2.10	0.98	0.68	0.57	0.63
Acetylene	0.60	0.63	0.63	0.77	0.63	0.59	0.48
Ethane	3.71	3.63	4.52	5.20	3.82	5.07	3.94
Propylene	0.28	0.27	0.83	1.57	0.28	0.28	0.25
Propane	2.01	2.04	2.85	3.22	2.44	3.10	2.31
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.40	0.37	0.48	0.62	0.43	0.52	0.35
Isobutene/1-Butene	0.21	0.23	0.50	7.67	0.32	0.18	0.23
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND
n-Butane	0.79	0.77	1.02	1.33	0.81	1.07	0.73
trans-2-Butene	0.07	0.08	0.08	ND	0.07	0.08	0.08
cis-2-Butene	0.11	0.12	0.10	0.09	0.09	0.11	0.14
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	0.38	0.38	0.40	ND	0.29	0.41	0.32
1-Pentene	0.09	0.10	0.18	0.05	0.07	0.08	0.08
2-Methyl-1-butene	ND	ND	ND	0.19	ND	ND	ND
n-Pentane	0.33	0.33	0.37	0.53	0.28	0.36	0.26
Isoprene	0.06	0.07	0.05	0.06	0.05	0.06	0.07
trans-2-Pentene	0.06	0.07	0.05	0.06	0.05	0.07	0.08
cis-2-Pentene	0.09	0.09	0.08	0.06	0.07	0.10	0.09
2-Methyl-2-butene	ND	ND	0.15	ND	0.13	ND	ND
2,2-Dimethylbutane	0.11	0.09	0.11	0.10	0.10	0.11	0.11
Cyclopentene	ND	ND	ND	ND	ND	ND	0.06
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.10	0.10	0.09	0.08	0.09	0.10	0.06
2,3-Dimethylbutane	0.11	0.12	0.10	0.10	0.11	0.11	0.12
2-Methylpentane	0.12	0.12	0.29	0.18	0.27	0.12	0.20
3-Methylpentane	0.11	0.12	0.11	0.13	0.13	0.15	0.15
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.14	0.14	0.23	0.11	0.09	0.13	0.12
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.14	0.15	0.17	0.18	0.15	0.13	0.14
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.09	0.09	0.21	0.08	0.08	0.09	0.09
2,4-Dimethylpentane	0.09	0.08	0.08	0.07	0.09	0.08	0.08
Benzene	0.26	0.26	0.28	0.81	0.27	0.25	0.18
Cyclohexane	0.10	0.12	0.13	0.09	0.09	0.12	0.11
2-Methylhexane	0.13	0.15	0.27	0.13	0.19	0.15	0.05
2,3-Dimethylpentane	0.10	0.14	0.14	0.13	0.15	0.16	0.16
3-Methylhexane	0.06	0.07	ND	0.06	0.06	0.13	0.08
1-Heptene	0.03	U	0.12	0.03	U	ND	ND
2,2,4-Trimethylpentane	0.07	0.07	0.06	0.10	0.10	0.07	0.06
n-Heptane	0.07	0.07	0.11	0.07	0.06	0.07	0.06
Methylcyclohexane	0.08	0.08	0.10	0.78	0.07	0.09	0.08
2,2,3-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND
2,3,4-Trimethylpentane	0.04	ND	0.05	0.04	0.04	0.04	0.04
Toluene	0.21	0.20	0.10	0.14	0.11	0.10	0.12
2-Methylheptane	0.04	0.04	0.03	U	ND	0.03	U
3-Methylheptane	0.04	0.04	0.04	0.03	0.03	0.03	0.03
1-Octene	ND	ND	0.08	ND	ND	ND	ND
n-Octane	0.05	0.05	0.09	0.04	0.05	0.05	0.04
Ethylbenzene	0.03	0.03	0.04	0.02	0.03	0.04	0.03
m-Xylene/p-Xylene	0.05	0.05	ND	0.04	0.06	0.06	0.08
Styrene	0.03	ND	0.24	0.03	0.04	ND	0.06
o-Xylene	0.03	0.03	ND	0.02	0.03	0.03	0.04
1-Nonene	ND	ND	0.02	U	ND	ND	ND
n-Nonane	0.04	0.04	0.03	0.02	U	0.02	ND
Isopropylbenzene	0.03	U	0.04	0.03	U	0.02	U
α-Pinene	ND	ND	ND	0.02	U	ND	U
n-Propylbenzene	ND	ND	ND	0.02	U	ND	U
m-Ethyltoluene	0.05	0.05	ND	0.02	ND	0.03	U
p-Ethyltoluene	0.03	U	0.03	0.03	U	0.03	U
1,3,5-Trimethylbenzene	0.03	ND	ND	ND	ND	0.03	0.02
o-Ethyltoluene	0.03	U	0.03	0.02	U	0.02	U
β-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.04	0.03	0.05	0.03	0.03	0.04	0.04
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.07	0.08	0.04	ND	0.02	0.04	0.03
1,2,3-Trimethylbenzene	ND	ND	ND	0.02	ND	ND	ND
m-Diethylbenzene	0.02	U	ND	0.02	U	ND	ND
p-Diethylbenzene	ND	ND	ND	0.02	ND	ND	ND
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.09	0.08	0.28	0.07	0.04	0.11	0.07
1-Dodecene	ND	ND	ND	ND	ND	ND	ND
n-Dodecane	0.04	U	0.29	0.11	0.13	0.07	0.09
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	0.04	U	0.04	U	U
TNMOC (speciated) in ppbv	12.70	12.63	18.51	26.44	13.40	15.54	12.84
TNMOC (w/ unknowns) in ppbC	59.00	57.53	134.87	416.32	77.07	69.24	70.04

U Under detection limit.

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Sample No.:	BUND 26603	BUND 26675	BUND 26887	BUND 27018	BUND 27305	BUND 27349	BUND 27441
Sampling Date:	4/2/2002	4/8/2002	4/14/2002	4/20/2002	4/26/2002	5/2/2002	5/8/2002
Analysis Date:	4/6/2002	4/11/2002	4/27/2002	4/27/2002	5/7/2002	5/14/2002	5/15/2002
Filename:	L2DE022	L2DK008	L2DZ017	L2DZ018	L2EF018	L2EM024	L2EN022
Ethylene	0.52	0.93	0.37	1.04	0.49	0.76	0.46
Acetylene	0.38	0.45	0.23	0.40	0.43	0.55	0.30
Ethane	2.86	3.72	2.04	3.05	2.34	2.26	1.96
Propylene	0.24	0.35	0.18	0.37	0.24	0.30	0.21
Propane	1.29	2.14	1.13	1.80	1.10	1.10	0.68
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.25	0.30	0.19	0.22	0.16	1.08	0.16
Isobutene/1-Butene	0.23	0.19	0.15	0.24	0.20	0.23	0.19
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND
n-Butane	0.45	0.71	0.39	0.51	0.29	0.43	0.24
trans-2-Butene	0.09	0.06	0.05	0.06	0.05	0.08	0.07
cis-2-Butene	0.13	0.10	0.07	0.08	0.08	0.12	0.10
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	0.23	0.28	0.20	0.22	0.18	1.65	0.16
1-Pentene	0.07	0.07	0.06	0.08	0.07	0.11	0.05
2-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Pentane	0.19	0.25	0.17	0.20	0.12	2.07	0.11
Isoprene	0.06	0.05	0.04	0.05	0.05	0.08	0.06
trans-2-Pentene	0.06	ND	0.04	0.05	0.04	0.08	0.06
cis-2-Pentene	0.08	0.06	0.05	0.06	0.06	0.09	0.07
2-Methyl-2-butene	ND	ND	ND	ND	ND	ND	ND
2,2-Dimethylbutane	0.09	0.07	0.07	0.09	0.07	0.10	0.09
Cyclopentene	ND	ND	ND	ND	ND	0.08	0.04
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.07	0.04	0.07	ND	0.05	0.13	0.05
2,3-Dimethylbutane	0.11	0.08	0.08	0.08	0.08	0.12	0.10
2-Methylpentane	0.14	0.11	0.11	0.36	0.11	0.12	0.09
3-Methylpentane	0.13	0.10	0.09	0.09	0.09	0.15	0.13
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.12	0.11	0.08	0.12	0.09	0.13	0.09
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.12	0.11	0.09	0.09	0.07	0.17	0.07
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.07	0.07	0.05	0.10	0.05	0.10	0.06
2,4-Dimethylpentane	0.08	0.06	0.05	0.07	0.06	0.07	0.07
Benzene	0.22	0.18	0.12	0.14	0.15	0.17	0.15
Cyclohexane	0.11	0.07	0.08	0.07	0.06	0.33	ND
2-Methylhexane	0.18	0.14	0.10	0.19	0.10	0.20	0.08
2,3-Dimethylpentane	0.18	0.10	0.09	0.12	0.11	0.17	0.09
3-Methylhexane	0.11	0.72	0.04	ND	0.06	0.20	0.10
1-Heptene	ND	0.05	ND	0.05	0.02	0.04	ND
2,2,4-Trimethylpentane	0.06	0.04	0.04	0.06	0.05	0.08	0.06
n-Heptane	0.06	0.05	0.04	0.05	0.03	0.13	0.05
Methylcyclohexane	0.08	0.07	0.05	0.07	0.05	0.12	0.06
2,2,3-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND
2,3,4-Trimethylpentane	0.04	ND	0.02	0.03	0.03	0.05	0.04
Toluene	0.11	0.09	0.09	0.09	0.11	3.72	0.12
2-Methylheptane	0.04	0.03	0.03	0.04	0.03	0.04	0.04
3-Methylheptane	0.04	0.03	0.03	0.03	0.03	0.04	0.04
1-Octene	ND	0.05	ND	0.04	0.02	0.03	ND
n-Octane	0.04	0.04	0.04	0.06	0.04	0.06	0.05
Ethylbenzene	0.03	0.04	0.03	0.03	0.02	0.09	0.03
m-Xylene/p-Xylene	0.04	0.05	0.05	0.04	0.06	0.16	0.05
Styrene	ND	0.52	0.03	0.27	0.02	ND	0.05
o-Xylene	0.03	0.02	0.03	0.03	0.02	0.05	0.03
1-Nonene	ND	0.02	ND	ND	ND	ND	ND
n-Nonane	0.02	0.02	0.03	0.03	0.02	0.03	0.03
Isopropylbenzene	0.04	0.03	0.03	0.03	0.03	0.03	0.03
α-Pinene	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.03	0.03	0.02	0.02	0.02	0.03	0.02
m-Ethyltoluene	0.02	0.02	0.03	0.02	0.02	0.02	0.02
p-Ethyltoluene	0.03	0.02	0.02	0.02	0.03	0.02	0.03
1,3,5-Trimethylbenzene	0.02	ND	0.02	0.02	0.02	0.03	0.02
o-Ethyltoluene	ND	0.02	0.02	0.02	ND	0.03	0.04
β-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.04	0.04	0.03	0.03	0.04	0.05	0.04
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.06	0.03	0.05	0.03	0.03	0.21	0.04
1,2,3-Trimethylbenzene	0.02	0.02	0.04	0.02	0.02	ND	ND
m-Diethylbenzene	ND	0.02	ND	ND	ND	0.02	0.02
p-Diethylbenzene	ND	ND	ND	ND	ND	ND	ND
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.13	0.06	0.08	0.09	0.03	0.58	0.18
1-Dodecene	ND	ND	0.04	ND	0.01	ND	ND
n-Dodecane	0.12	0.15	0.06	0.41	0.09	0.38	0.46
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	0.03	0.05	0.01	0.11	0.04	0.05	0.10
TNMOC (speciated) in ppbv	9.96	13.23	7.48	11.66	7.96	19.34	7.71
TNMOC (w/ unknowns) in ppbC	50.67	103.81	46.83	122.00	52.82	115.61	48.29

U Under detection limit.

Beluah, North Dakota (BUND) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbV)

Sample No.:	BUND 27537 D1	BUND 27537 R1	BUND 27539 D2	BUND 27539 R2	BUND 27719	BUND 27758	BUND 27859		
Sampling Date:	5/14/2002	5/14/2002	5/14/2002	5/14/2002	5/20/2002	5/26/2002	6/1/2002		
Analysis Date:	5/22/2002	5/22/2002	5/22/2002	5/22/2002	5/30/2002	6/4/2002	7/1/2002		
Filename:	L2EU017	L2EV009	L2EU018	L2EV010	L2E#022	L2FC014	L2GA009		
Ethylene	0.56	0.56	0.55	0.61	4.02	0.48	0.69		
Acetylene	0.21	0.21	0.24	0.21	3.37	0.26	0.33		
Ethane	2.04	2.00	2.07	2.10	3.22	2.53	2.32		
Propylene	0.22	0.29	0.23	0.25	1.29	0.24	0.26		
Propane	0.82	0.85	0.80	0.79	3.83	2.16	1.09		
Propyne	ND	ND	ND	ND	ND	ND	ND		
Isobutane	0.15	0.15	0.15	0.14	170.65	0.82	0.18		
Isobutene/1-Butene	0.24	0.20	0.23	0.21	1.07	0.18	0.18		
1,3-Butadiene	ND	ND	ND	ND	0.28	ND	ND		
n-Butane	0.27	0.26	0.28	0.27	4.24	0.78	0.36		
trans-2-Butene	0.08	0.07	0.07	0.07	0.21	0.05	0.16		
cis-2-Butene	0.13	0.12	0.12	0.11	0.27	0.09	0.12		
3-Methyl-1-butene	ND	ND	ND	ND	0.07	ND	ND		
Isopentane	0.18	0.19	0.20	0.19	403.58	0.26	0.25		
1-Pentene	0.09	0.09	0.09	0.08	0.21	0.07	0.08		
2-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND		
n-Pentane	0.13	0.12	0.15	0.15	123.23	0.18	0.16		
Isoprene	0.07	0.08	0.06	0.06	0.27	0.04	0.11		
trans-2-Pentene	0.06	0.06	0.06	0.07	0.38	0.04	0.06		
cis-2-Pentene	0.09	0.09	0.09	0.08	0.24	0.06	0.08		
2-Methyl-2-butene	ND	ND	ND	ND	0.40	ND	ND		
2,2-Dimethylbutane	0.11	0.09	0.10	0.10	1.33	0.07	0.09		
Cyclopentene	ND	ND	ND	ND	0.13	ND	ND		
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND		
Cyclopentane	0.06	0.07	0.08	0.09	2.49	0.07	0.07		
2,3-Dimethylbutane	0.11	0.11	0.11	0.11	1.78	0.08	0.10		
2-Methylpentane	0.09	0.13	0.08	0.10	10.27	0.10	0.16		
3-Methylpentane	0.13	0.13	0.10	0.12	11.61	0.10	0.14		
2-Methyl-1-pentene	ND	ND	ND	ND	0.06	ND	ND		
1-Hexene	0.14	0.12	0.12	0.12	0.16	0.09	0.11		
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND		
n-Hexane	0.10	0.09	0.11	0.10	20.19	0.07	0.17		
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND		
cis-2-Hexene	ND	ND	ND	ND	0.04	U	ND		
Methylcyclopentane	0.07	0.07	0.07	0.07	7.17	0.07	0.09		
2,4-Dimethylpentane	0.08	0.08	0.07	0.07	0.38	0.06	0.08		
Benzene	0.15	0.14	0.13	0.13	1.12	0.14	0.22		
Cyclohexane	0.11	0.10	0.11	0.10	16.65	0.07	0.11		
2-Methylhexane	0.15	0.12	0.14	0.11	0.84	0.09	0.11		
2,3-Dimethylpentane	0.18	0.11	0.14	0.12	0.61	0.09	0.13		
3-Methylhexane	0.17	0.19	0.13	0.14	1.40	0.12	0.15		
1-Heptene	0.03	U	ND	ND	ND	0.02	U	ND	
2,2,4-Trimethylpentane	0.06	0.06	0.07	0.06	1.16	0.06	0.07		
n-Heptane	0.06	0.06	0.07	0.07	0.92	0.05	0.14		
Methylcyclohexane	0.09	0.08	0.08	0.09	0.44	0.05	0.15		
2,2,3-Trimethylpentane	ND	ND	ND	ND	0.24	ND	ND		
2,3,4-Trimethylpentane	0.04	0.04	0.04	0.04	0.41	0.03	0.04		
Toluene	0.16	0.15	0.15	0.15	31.71	0.10	0.36		
2-Methylheptane	0.06	0.05	0.05	0.05	0.23	0.03	0.11		
3-Methylheptane	0.06	0.06	0.05	0.05	0.27	0.03	0.11		
1-Octene	0.04	0.05	0.02	U	0.06	0.02	U	ND	
n-Octane	0.10	0.09	0.09	0.10	0.43	0.04	0.23		
Ethylbenzene	0.03	0.03	0.03	0.03	1.28	0.03	0.03		
m-Xylene/p-Xylene	0.05	0.06	0.06	0.06	2.77	0.07	0.06		
Styrene	0.09	0.08	0.05	0.06	1.42	0.05	0.03		
o-Xylene	0.04	0.03	0.03	0.03	1.01	0.03	0.03		
1-Nonene	ND	ND	ND	ND	0.11	ND	ND		
n-Nonane	0.02	0.04	0.04	0.04	0.31	0.03	0.05		
Isopropylbenzene	0.03	U	0.04	0.03	0.11	0.02	U	0.04	
a-Pinene	ND	ND	ND	ND	0.08	ND	0.02	U	
n-Propylbenzene	0.03	U	0.03	U	0.19	0.02	U	0.02	U
m-Ethyltoluene	0.03	0.03	0.02	0.02	0.80	0.02	U	0.03	U
p-Ethyltoluene	0.03	U	0.03	U	0.03	U	0.03	0.03	U
1,3,5-Trimethylbenzene	0.03	0.02	U	0.02	0.36	ND	ND	0.03	U
o-Ethyltoluene	0.04	0.04	0.02	U	0.25	0.02	U	0.04	U
b-Pinene	ND	ND	ND	ND	0.07	ND	ND	ND	U
1,2,4-Trimethylbenzene	0.05	0.06	0.04	0.03	0.58	0.03	0.03	0.04	U
1-Decene	ND	ND	ND	ND	ND	ND	ND	ND	U
n-Decane	0.05	0.05	0.03	0.04	29.63	0.04	0.03	0.03	U
1,2,3-Trimethylbenzene	ND	0.02	ND	0.03	0.19	ND	ND	ND	U
m-Diethylbenzene	0.02	U	ND	ND	0.10	0.01	U	ND	U
p-Diethylbenzene	0.02	ND	ND	ND	ND	ND	ND	ND	U
1-Undecene	ND	ND	ND	ND	0.06	ND	ND	ND	U
n-Undecane	0.07	0.07	0.04	0.04	67.01	0.04	0.06	0.06	U
1-Dodecene	ND	ND	ND	ND	ND	ND	ND	ND	U
n-Dodecane	0.04	U	0.04	0.06	U	17.12	0.04	U	U
1-Tridecene	ND	ND	ND	ND	ND	ND	ND	ND	U
n-Tridecane	ND	ND	0.01	U	ND	0.45	0.01	U	ND
TNMOC (speciated) in ppbv	8.30	8.18	8.03	8.08	957.09	10.42	9.91		
TNMOC (w/ unknowns) in ppbC	48.83	48.25	42.78	44.49	5647.32	56.22	152.95		

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Sample No.:	BUND 27917	BUND 28118	BUND 28271	BUND 28312 D1	BUND 28312 R1	BUND 28313 D2	BUND 28313 R2
Sampling Date:	6/7/2002	6/13/2002	6/19/2002	6/25/2002	6/25/2002	6/25/2002	6/25/2002
Analysis Date:	7/2/2002	7/13/2002	7/13/2002	7/23/2002	7/25/2002	7/24/2002	7/25/2002
Filename:	L2GB015	L2GL020	L2GL025	N2GW012	N2GX014	N2GW013	N2GX015
Ethylene	0.59	1.35	0.64	0.59	0.59	0.58	0.54
Acetylene	0.22	0.17	0.17	0.33	0.34	0.38	0.37
Ethane	1.88	2.09	1.95	2.47	2.50	2.43	2.43
Propylene	0.31	0.56	0.34	0.21	0.25	0.19	0.21
Propane	1.01	1.13	1.25	1.58	1.61	1.53	1.55
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.14	0.18	0.22	0.25	0.26	0.27	0.28
Isobutene/1-Butene	0.22	0.40	0.26	0.22	0.21	0.24	0.21
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND
n-Butane	0.32	0.47	0.50	0.62	0.63	0.63	0.63
trans-2-Butene	0.08	0.13	0.10	0.05	0.04	U	ND
cis-2-Butene	0.10	0.15	0.16	0.06	0.08	0.07	0.06
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	0.24	0.28	0.32	0.48	0.43	0.48	0.47
1-Pentene	0.09	0.13	0.10	ND	ND	ND	ND
2-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Pentane	0.15	0.21	0.24	0.30	0.29	0.32	0.32
Isoprene	0.08	0.08	0.12	0.16	0.14	0.23	0.24
trans-2-Pentene	0.06	0.10	0.09	0.04	0.03	0.04	0.04
cis-2-Pentene	0.07	0.12	0.14	0.05	0.04	U	0.05
2-Methyl-2-butene	ND	ND	ND	ND	ND	ND	ND
2,2-Dimethylbutane	0.10	0.15	0.14	0.06	0.04	0.05	0.06
Cyclopentene	ND	ND	ND	0.06	0.06	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.09	0.12	0.13	0.09	0.10	0.12	0.12
2,3-Dimethylbutane	0.10	0.16	0.16	0.09	0.08	0.09	0.09
2-Methylpentane	0.10	0.39	0.17	0.11	0.10	0.12	0.11
3-Methylpentane	0.12	0.19	0.17	0.07	0.08	0.08	0.10
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.12	0.19	0.15	0.12	0.08	0.09	0.12
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.08	0.15	0.19	0.10	0.15	0.12	0.12
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.07	0.09	0.10	0.07	0.06	0.07	0.06
2,4-Dimethylpentane	0.07	0.14	0.11	0.04	0.05	0.06	0.06
Benzene	0.20	0.15	0.13	0.22	0.23	0.21	0.22
Cyclohexane	0.07	0.13	0.15	0.06	0.05	0.08	0.07
2-Methylhexane	0.09	0.11	0.12	ND	ND	ND	ND
2,3-Dimethylpentane	0.10	0.18	0.15	0.10	0.10	0.10	0.13
3-Methylhexane	0.15	0.66	0.16	0.07	0.05	0.05	0.07
1-Heptene	ND	ND	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	0.07	0.11	0.08	0.07	0.08	0.08	0.09
n-Heptane	0.06	0.06	0.07	0.04	0.06	0.06	0.07
Methylcyclohexane	0.06	0.12	0.10	0.04	0.06	0.04	0.04
2,2,3-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND
2,3,4-Trimethylpentane	0.03	0.05	0.06	0.04	0.04	0.03	0.04
Toluene	0.14	0.05	0.10	0.17	0.23	0.23	0.26
2-Methylheptane	0.07	0.06	0.05	0.03	0.04	0.03	U
3-Methylheptane	0.07	0.05	0.06	0.03	0.04	0.04	0.03
1-Octene	ND	ND	ND	ND	ND	ND	ND
n-Octane	0.14	0.06	0.06	0.04	0.05	0.04	0.05
Ethylbenzene	0.04	ND	0.03	0.04	0.04	0.05	0.05
m-Xylene/p-Xylene	0.07	ND	0.08	0.11	0.09	0.11	0.12
Styrene	0.07	0.16	0.07	ND	0.02	0.02	ND
o-Xylene	0.04	0.03	ND	0.17	0.04	0.16	0.14
1-Nonene	ND	ND	ND	ND	ND	ND	ND
n-Nonane	0.10	0.03	0.03	0.03	0.04	0.03	0.04
Isopropylbenzene	0.03	U	0.03	U	0.03	U	0.03
α-Pinene	0.02	U	ND	0.04	ND	0.06	ND
n-Propylbenzene	0.03	U	ND	0.03	0.03	U	0.04
m-Ethyltoluene	0.04	0.04	ND	0.02	0.03	0.03	0.04
p-Ethyltoluene	0.05	0.03	U	0.03	U	0.03	U
1,3,5-Trimethylbenzene	0.04	0.03	ND	0.02	0.02	0.03	0.03
o-Ethyltoluene	0.06	0.04	0.04	0.03	0.04	0.03	0.04
β-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.10	0.08	0.05	0.09	0.06	0.10	0.07
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.14	0.04	0.03	0.04	0.09	0.04	0.04
1,2,3-Trimethylbenzene	0.02	0.03	ND	ND	0.02	0.02	0.02
m-Diethylbenzene	ND	0.03	U	0.03	U	0.02	U
p-Diethylbenzene	ND	ND	ND	0.02	ND	0.02	0.02
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.06	0.06	0.06	0.07	0.06	0.05	0.07
1-Dodecene	ND	ND	ND	ND	ND	ND	ND
n-Dodecane	0.02	U	0.03	0.06	U	0.03	U
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	ND	ND	ND	ND
TNMOC (speciated) in ppbv	8.56	11.62	9.80	9.98	9.93	10.14	10.19
TNMOC (w/ unknowns) in ppbC	51.98	100.81	52.47	65.42	57.33	63.80	67.45

U Under detection limit.

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Sample No.:	BUND 28483	BUND 28636	BUND 28769	BUND 28804	BUND 29005	BUND 29036	BUND 29157		
Sampling Date:	7/1/2002	7/7/2002	7/13/2002	7/19/2002	7/25/2002	7/31/2002	8/6/2002		
Analysis Date:	8/1/2002	8/2/2002	8/6/2002	8/9/2002	8/14/2002	8/15/2002	9/3/2002		
Filename:	L2HA005	L2HB012	L2HF008	L2HI008	L2HM018	L2HO010	L2IC005		
Ethylene	1.51	0.62	0.70	0.83	0.88	1.65	0.64		
Acetylene	0.18	0.14	0.13	0.32	0.21	0.20	0.22		
Ethane	1.68	1.93	1.31	2.40	2.66	1.56	1.88		
Propylene	0.61	0.35	0.39	0.49	0.49	0.92	0.36		
Propane	0.99	1.14	0.88	1.47	1.82	1.19	1.12		
Propyne	ND	ND	ND	ND	ND	ND	ND		
Isobutane	0.19	0.19	0.16	0.26	0.29	0.20	0.19		
Isobutene/1-Butene	0.40	0.27	0.27	0.28	0.28	1.01	0.23		
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND		
n-Butane	0.38	0.36	0.29	0.50	0.61	0.38	0.35		
trans-2-Butene	0.10	0.13	0.11	0.12	0.13	0.13	0.13		
cis-2-Butene	0.15	0.17	0.16	0.16	0.17	0.16	0.15		
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND		
Isopentane	3.29	0.22	0.18	0.54	0.32	2.64	0.23		
1-Pentene	ND	ND	ND	ND	ND	ND	0.10		
2-Methyl-1-butene	ND	ND	ND	0.04	ND	0.09	ND		
n-Pentane	0.22	0.20	0.19	0.55	0.31	0.19	0.18		
Isoprene	0.15	0.13	0.21	0.19	0.18	0.18	0.09		
trans-2-Pentene	0.10	0.09	0.08	0.10	0.10	0.10	0.08		
cis-2-Pentene	0.12	0.11	0.12	0.12	0.13	0.12	0.09		
2-Methyl-2-butene	0.04	U	ND	ND	ND	ND	ND		
2,2-Dimethylbutane	0.13	0.14	0.15	0.15	0.13	0.14	0.13		
Cyclopentene	ND	ND	ND	ND	ND	ND	ND		
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND		
Cyclopentane	0.12	0.11	0.10	0.12	0.13	0.10	0.11		
2,3-Dimethylbutane	0.15	0.15	0.16	0.17	0.17	0.16	0.14		
2-Methylpentane	0.37	0.13	0.12	0.12	0.14	0.39	0.14		
3-Methylpentane	0.11	0.14	0.14	0.15	0.15	0.10	0.12		
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND		
1-Hexene	0.18	0.15	0.15	0.15	0.17	0.17	0.12		
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND		
n-Hexane	0.14	0.12	0.12	0.17	0.16	0.11	0.09		
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND		
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND		
Methylcyclopentane	0.17	0.10	0.08	0.10	0.10	0.20	0.08		
2,4-Dimethylpentane	0.10	0.10	0.11	0.10	0.11	0.10	0.10		
Benzene	0.17	0.13	0.14	0.19	0.16	0.18	0.14		
Cyclohexane	0.10	0.14	0.14	0.14	0.16	0.15	0.09		
2-Methylhexane	0.09	0.15	0.08	0.09	0.16	0.39	0.10		
2,3-Dimethylpentane	0.16	0.16	0.14	0.16	0.17	0.15	0.12		
3-Methylhexane	0.10	0.07	0.07	0.08	0.07	0.11	0.05		
1-Heptene	0.04	ND	ND	ND	ND	0.03	U	ND	
2,2,4-Trimethylpentane	0.07	0.10	0.09	0.11	0.10	0.10	0.07		
n-Heptane	0.08	0.06	0.07	0.06	0.07	0.06	0.05		
Methylcyclohexane	0.08	0.08	0.10	0.09	0.10	0.09	0.09		
2,2,3-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND		
2,3,4-Trimethylpentane	0.07	0.05	0.06	0.06	0.05	0.07	0.04		
Toluene	0.28	0.12	0.11	0.20	0.13	0.15	0.11		
2-Methylheptane	0.05	0.04	0.04	0.04	0.04	0.03	0.04		
3-Methylheptane	0.05	0.04	0.05	0.05	0.03	0.06	0.04		
1-Octene	ND	ND	ND	ND	0.03	U	U	ND	
n-Octane	0.07	0.05	0.06	0.06	0.06	0.07	0.05		
Ethylbenzene	0.05	0.03	0.04	0.06	0.04	0.03	0.05		
m-Xylene/p-Xylene	0.09	0.05	0.05	0.09	0.05	0.07	ND		
Styrene	0.05	0.10	0.12	0.13	0.15	0.24	0.09		
o-Xylene	0.05	0.04	0.04	0.05	0.04	0.05	0.03		
1-Nonene	ND	ND	ND	ND	ND	ND	ND		
n-Nonane	0.03	0.03	0.04	0.04	0.04	0.04	0.03		
Isopropylbenzene	0.04	0.05	0.04	0.04	0.05	0.04	0.04		
α-Pinene	0.04	0.04	ND	0.05	0.04	0.26	0.04		
n-Propylbenzene	0.02	U	U	0.03	U	0.02	U	0.03	
m-Ethyltoluene	0.03	0.02	0.03	0.05	0.04	0.03	0.02		
p-Ethyltoluene	0.03	U	0.04	0.05	0.04	U	0.03	U	
1,3,5-Trimethylbenzene	0.03	0.03	0.03	0.04	0.02	0.03	ND	U	
o-Ethyltoluene	0.02	U	0.03	0.03	U	0.04	U	0.03	U
β-Pinene	ND	0.07	0.07	0.09	0.11	0.12	0.09		
1,2,4-Trimethylbenzene	0.05	0.07	0.06	0.08	0.05	0.07	0.04		
1-Decene	ND	ND	ND	ND	ND	ND	ND		
n-Decane	0.04	0.04	0.04	0.07	0.05	0.06	0.04		
1,2,3-Trimethylbenzene	0.08	0.03	0.03	ND	0.08	0.04	ND		
m-Diethylbenzene	0.05	0.07	0.06	0.05	0.05	0.09	0.02	U	
p-Diethylbenzene	ND	ND	ND	ND	ND	ND	ND		
1-Undecene	ND	ND	ND	ND	ND	ND	ND		
n-Undecane	0.04	0.05	0.05	0.09	0.06	0.06	0.05		
1-Dodecene	ND	0.02	U	0.02	ND	ND	ND		
n-Dodecane	0.02	U	0.04	U	0.07	0.09	0.05	U	
1-Tridecene	ND	ND	ND	ND	ND	ND	ND		
n-Tridecane	ND	0.02	U	0.03	U	0.02	U	U	
TNMOC (speciated) in ppbv	13.74	9.29	8.36	12.09	12.20	15.24	8.78		
TNMOC (w/ unknowns) in ppbC	132.41	66.24	65.22	104.68	91.04	150.40	66.01		

U Under detection limit.

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(Reported in ppbV)

Sample No.:	BUND 29227	BUND 29322	BUND 29515	BUND 29580	BUND 29769	BUND 29859 D1	BUND 29859 R1
Sampling Date:	8/12/2002	8/18/2002	8/24/2002	8/30/2002	9/5/2002	9/11/2002	9/11/2002
Analysis Date:	9/4/2002	9/17/2002		9/24/2002	9/25/2002	10/11/2002	10/15/2002
Filename:	L2ID008	L2IQ006	VOID	L2IX011	L2IX023	L2JJ019	L2J0011
Ethylene	0.69	1.18		0.68	0.68	0.75	0.75
Acetylene	0.24	0.23		0.20	0.36	0.25	0.33
Ethane	1.96	1.86		2.09	2.10	2.74	2.69
Propylene	0.35	0.49		0.39	0.41	0.44	0.42
Propane	1.08	1.26		1.16	1.39	1.06	1.02
Propyne	ND	ND		ND	ND	ND	ND
Isobutane	0.20	0.21		0.18	0.22	0.46	0.43
Isobutene/1-Butene	0.23	0.68		0.26	0.22	0.33	0.31
1,3-Butadiene	ND	ND		ND	ND	ND	ND
n-Butane	0.41	0.38		0.32	0.47	0.42	0.42
trans-2-Butene	0.09	0.11		0.08	0.10	0.10	0.09
cis-2-Butene	0.15	0.15		0.12	0.11	0.13	0.17
3-Methyl-1-butene	ND	ND		ND	ND	ND	ND
Isopentane	0.30	0.24		0.29	0.37	0.98	0.91
1-Pentene	0.09	0.09		ND	ND	ND	0.10
2-Methyl-1-butene	ND	ND		ND	ND	ND	0.02
n-Pentane	0.21	0.20		0.19	0.27	0.26	0.23
Isoprene	0.11	0.09		0.10	0.13	0.10	0.23
trans-2-Pentene	0.07	0.08		0.06	0.07	0.06	0.08
cis-2-Pentene	0.08	0.09		0.08	0.08	0.10	0.08
2-Methyl-2-butene	ND	ND		ND	ND	ND	ND
2,2-Dimethylbutane	0.11	0.14		0.11	0.11	0.10	0.09
Cyclopentene	ND	ND		ND	0.05	0.08	ND
4-Methyl-1-pentene	ND	ND		ND	ND	ND	ND
Cyclopentane	0.10	0.09		0.09	0.10	0.11	0.10
2,3-Dimethylbutane	0.12	0.12		0.12	0.13	0.12	0.11
2-Methylpentane	0.24	0.32		0.20	0.19	0.10	0.09
3-Methylpentane	0.12	0.12		0.14	0.17	0.14	0.13
2-Methyl-1-pentene	ND	ND		ND	ND	ND	ND
1-Hexene	0.11	0.12		0.11	0.11	0.11	0.10
2-Ethyl-1-butene	ND	ND		ND	ND	ND	ND
n-Hexane	0.12	0.11		0.09	0.11	0.11	0.13
trans-2-Hexene	ND	ND		ND	ND	ND	ND
cis-2-Hexene	ND	ND		ND	ND	ND	ND
Methylcyclopentane	0.09	0.11		0.07	0.09	0.11	0.12
2,4-Dimethylpentane	0.10	0.08		0.09	0.09	0.08	0.08
Benzene	0.15	0.13		0.11	0.15	0.13	0.13
Cyclohexane	0.12	0.11		0.10	0.12	0.20	0.21
2-Methylhexane	0.10	0.20		0.08	0.09	0.04	0.04
2,3-Dimethylpentane	0.10	0.15		0.13	0.12	0.09	0.09
3-Methylhexane	0.06	ND		0.24	0.21	0.08	0.06
1-Heptene	ND	ND		ND	0.03	U	0.05
2,2,4-Trimethylpentane	0.09	0.13		0.08	0.08	0.08	0.09
n-Heptane	0.05	0.05		0.05	0.06	0.09	0.08
Methylcyclohexane	0.09	0.10		0.10	0.08	0.04	0.06
2,2,3-Trimethylpentane	ND	ND		ND	ND	ND	ND
2,3,4-Trimethylpentane	0.04	0.07		0.04	0.04	0.05	0.05
Toluene	0.12	0.15		0.18	0.13	0.88	0.79
2-Methylheptane	0.03	0.04		0.05	0.05	0.07	0.05
3-Methylheptane	0.04	0.04		0.04	0.04	0.04	0.04
1-Octene	ND	0.03	U	0.03	U	0.03	U
n-Octane	0.05	0.06		0.05	0.06	0.07	0.07
Ethylbenzene	0.03	0.04		0.03	0.04	0.05	0.04
m-Xylene/p-Xylene	0.05	0.05		0.05	0.04	0.09	0.08
Styrene	0.07	0.42		0.13	0.14	0.04	0.04
o-Xylene	0.03	0.06		0.04	0.05	0.05	0.04
1-Nonene	ND	ND		ND	ND	0.03	U
n-Nonane	ND	0.03		0.04	0.03	0.08	0.08
Isopropylbenzene	0.03	U	0.04	0.04	0.05	0.04	0.07
α-Pinene	0.04	0.05		ND	0.03	U	ND
n-Propylbenzene	ND	ND		0.02	U	0.03	U
m-Ethyltoluene	0.02	0.02	U	0.03	U	0.03	U
p-Ethyltoluene	0.02	U	0.02	0.03	U	0.03	U
1,3,5-Trimethylbenzene	0.02	U	0.02	0.03	0.03	0.04	0.05
o-Ethyltoluene	0.03	U	0.02	ND	ND	0.04	0.04
β-Pinene	0.04	ND		0.10	0.08	0.04	0.02
1,2,4-Trimethylbenzene	0.05	0.04		0.06	0.07	0.07	0.07
1-Decene	ND	ND		ND	ND	ND	ND
n-Decane	0.03	0.04		0.07	0.04	0.16	ND
1,2,3-Trimethylbenzene	0.02	ND		ND	ND	0.03	0.02
m-Diethylbenzene	0.04	0.04		ND	0.03	ND	0.02
p-Diethylbenzene	ND	ND		ND	ND	ND	ND
1-Undecene	ND	ND		ND	ND	ND	ND
n-Undecane	0.04	0.04		0.13	0.04	0.40	0.36
1-Dodecene	ND	ND		ND	ND	0.02	U
n-Dodecane	0.04	U	0.02	0.10	0.02	U	0.30
1-Tridecene	ND	ND		ND	ND	ND	ND
n-Tridecane	0.02	U	ND	0.02	U	ND	ND
TNMOC (speciated) in ppbv	9.01	10.80		9.41	10.19	12.78	12.39
TNMOC (w/ unknowns) in ppbC	55.78	124.51		77.71	68.65	92.48	87.68

U Under detection limit.

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(Reported in ppbV)

Sample No.:	BUND 29861 D2	BUND 29861 R2	BUND 29906	BUND 30007	BUND 30044	BUND 30138	BUND 30190		
Sampling Date:	9/11/2002	9/11/2002	9/17/2002	9/23/2002	9/29/2002	10/5/2002	10/11/2002		
Analysis Date:	10/11/2002	10/15/2002	10/16/2002	10/17/2002	10/18/2002	10/23/2002	10/25/2002		
Filename:	L2JJ020	L2JO012	L2JP006	L2JQ007	L2JQ019	L2JV017	L2JX016		
Ethylene	0.85	0.91	0.73	0.67	0.59	0.68	0.84		
Acetylene	0.33	0.34	0.22	0.25	0.27	0.41	0.36		
Ethane	3.02	3.09	3.23	2.17	2.46	2.94	3.12		
Propylene	0.43	0.46	0.36	0.30	0.26	0.30	0.36		
Propane	1.37	1.27	2.01	0.97	1.28	1.63	1.59		
Propyne	ND	ND	ND	ND	ND	ND	ND		
Isobutane	1.19	1.14	0.35	0.20	0.33	0.31	0.31		
Isobutene/1-Butene	0.38	0.37	0.23	0.20	0.22	0.29	0.23		
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND		
n-Butane	0.49	0.48	0.78	0.37	0.37	0.61	0.57		
trans-2-Butene	0.10	0.09	0.09	0.07	0.07	0.10	0.09		
cis-2-Butene	0.12	0.13	0.11	0.12	0.11	0.11	0.12		
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND		
Isopentane	2.51	2.44	0.43	0.34	0.26	0.63	0.37		
1-Pentene	0.12	ND	ND	ND	ND	ND	ND		
2-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND		
n-Pentane	1.07	1.02	0.31	0.17	0.16	1.15	0.27		
Isoprene	0.27	0.29	0.08	0.10	0.07	0.12	0.06		
trans-2-Pentene	0.09	0.08	0.06	0.07	0.06	0.09	0.06		
cis-2-Pentene	0.09	0.09	0.07	0.08	0.08	0.08	0.07		
2-Methyl-2-butene	0.04	U	ND	ND	ND	0.04	U	ND	
2,2-Dimethylbutane	0.10	0.10	0.09	0.10	0.10	0.11	0.10		
Cyclopentene	0.05	ND	ND	ND	ND	0.07	ND		
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND		
Cyclopentane	0.16	0.11	0.11	0.09	0.09	0.14	0.10		
2,3-Dimethylbutane	0.13	0.13	0.12	0.12	0.12	0.12	0.12		
2-Methylpentane	0.17	0.16	0.11	0.08	0.08	0.15	0.09		
3-Methylpentane	0.15	0.17	0.11	0.11	0.09	0.16	0.11		
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND		
1-Hexene	0.09	0.12	0.10	0.11	0.10	0.08	0.09		
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND		
n-Hexane	0.12	0.16	0.14	0.09	0.07	0.23	0.10		
trans-2-Hexene	0.10	ND	ND	ND	ND	ND	ND		
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND		
Methylcyclopentane	0.09	0.14	0.11	0.08	0.06	0.13	0.08		
2,4-Dimethylpentane	0.08	0.09	0.08	0.08	0.08	0.07	0.08		
Benzene	0.16	0.15	0.14	0.15	0.15	0.18	0.18		
Cyclohexane	0.43	0.39	0.16	0.11	0.10	0.23	0.10		
2-Methylhexane	0.10	0.23	0.13	0.10	ND	0.04	ND		
2,3-Dimethylpentane	0.12	0.15	0.11	0.13	0.13	0.07	0.07		
3-Methylhexane	0.17	0.15	0.12	0.18	0.09	0.05	0.18		
1-Heptene	0.03	U	ND	0.03	U	ND	0.04		
2,2,4-Trimethylpentane	0.09	0.09	0.06	0.08	0.07	0.05	0.06		
n-Heptane	0.23	0.21	0.07	0.04	0.05	0.08	0.06		
Methylcyclohexane	0.09	0.09	0.07	0.06	0.06	0.08	0.06		
2,2,3-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND		
2,3,4-Trimethylpentane	0.07	0.08	0.06	0.06	0.07	0.06	0.03		
Toluene	1.27	1.17	0.13	0.51	0.45	2.28	0.36		
2-Methylheptane	0.04	0.05	0.05	0.08	0.06	0.05	0.06		
3-Methylheptane	0.04	0.04	0.05	0.05	0.04	0.04	0.05		
1-Octene	0.03	U	ND	0.04	ND	ND	ND		
n-Octane	0.07	0.08	0.07	0.07	0.06	0.07	0.07		
Ethylbenzene	0.06	0.05	0.03	0.05	0.07	0.07	0.05		
m-Xylene/p-Xylene	0.11	0.10	0.06	0.06	0.05	0.08	0.05		
Styrene	0.03	0.08	0.10	0.06	0.06	0.04	0.09		
o-Xylene	0.07	0.06	0.04	0.03	0.03	0.05	0.05		
1-Nonene	ND	ND	ND	0.02	U	ND	ND		
n-Nonane	0.09	0.08	0.04	0.04	0.03	0.05	0.04		
Isopropylbenzene	0.05	0.06	0.05	0.06	0.04	0.05	0.04		
α-Pinene	0.05	0.06	ND	ND	0.09	ND	ND		
n-Propylbenzene	0.04	0.04	0.02	U	0.03	0.03	U	0.04	
m-Ethyltoluene	0.05	0.05	0.03	0.03	0.02	0.06	0.03	0.03	
p-Ethyltoluene	0.04	U	0.04	0.03	U	0.03	U	0.03	U
1,3,5-Trimethylbenzene	0.04	0.04	0.02	0.02	0.03	0.05	0.04	0.04	
o-Ethyltoluene	0.07	0.04	0.04	0.03	0.03	U	0.04	0.03	U
β-Pinene	0.04	0.03	ND	ND	ND	0.05	0.04	0.04	
1,2,4-Trimethylbenzene	0.08	0.07	0.05	0.05	0.03	0.08	0.05	0.05	
1-Decene	ND	ND	ND	ND	ND	ND	ND	ND	
n-Decane	0.37	0.15	0.17	0.14	0.11	0.22	0.05	0.05	
1,2,3-Trimethylbenzene	0.05	ND	0.02	0.02	ND	0.08	0.02	0.02	
m-Diethylbenzene	0.02	U	ND	ND	ND	ND	0.03	0.03	U
p-Diethylbenzene	0.03	ND	ND	ND	ND	ND	ND	ND	U
1-Undecene	ND	ND	ND	ND	ND	ND	ND	ND	
n-Undecane	0.42	0.36	0.05	0.04	0.06	0.61	0.04	0.04	
1-Dodecene	0.02	U	ND	ND	ND	ND	ND	ND	
n-Dodecane	0.31	0.28	0.10	0.04	U	0.41	0.06	0.06	U
1-Tridecene	ND	ND	ND	ND	ND	ND	ND	ND	
n-Tridecane	ND	ND	ND	ND	ND	ND	ND	ND	
TNMOC (speciated) in ppbv	18.70	17.92	12.09	9.33	9.41	16.06	11.40		
TNMOC (w/ unknowns) in ppbC	147.17	129.40	77.21	64.96	63.78	101.16	68.02		

U Under detection limit.

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Sample No.:	BUND 30311	BUND 30399 D1	BUND 30399 R1	BUND 30401 D2	BUND 30401 R2	BUND 30446	BUND 30535
Sampling Date:	10/17/2002	10/23/2002	10/23/2002	10/23/2002	10/23/2002	10/29/2002	11/4/2002
Analysis Date:	10/31/2002	11/23/2002	11/25/2002	11/25/2002	11/27/2002	11/26/2002	12/4/2002
Filename:	L2J\$014	L2KV024	L2KY007	L2KY008	L2K2012	L2KZ007	L2LC018
Ethylene	1.03	0.62	0.98	1.40	1.44	0.63	1.25
Acetylene	0.36	0.33	0.30	0.93	1.03	0.33	0.45
Ethane	4.31	2.50	2.45	3.25	3.16	2.76	5.75
Propylene	0.40	0.19	0.36	0.40	0.35	0.24	0.45
Propane	2.15	1.03	1.07	1.70	1.37	1.03	2.83
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.50	0.13	0.26	0.41	0.33	0.23	0.57
Isobutene/1-Butene	0.24	0.10	0.18	0.30	0.22	0.07	0.16
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND
n-Butane	0.92	0.26	0.36	0.86	0.75	0.41	1.02
trans-2-Butene	0.17	ND	0.11	0.14	0.09	0.07	0.12
cis-2-Butene	0.25	ND	0.14	0.16	0.10	0.09	0.19
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	0.56	0.13	0.25	0.56	0.50	0.23	0.58
1-Pentene	ND	ND	ND	ND	0.05	ND	0.11
2-Methyl-1-butene	ND	ND	ND	ND	0.03	U	ND
n-Pentane	0.37	0.08	0.15	0.27	0.21	0.15	0.39
Isoprene	0.11	ND	0.06	0.09	0.05	ND	0.07
trans-2-Pentene	0.12	ND	0.07	0.10	0.06	ND	0.10
cis-2-Pentene	0.16	ND	0.10	0.12	0.06	0.06	0.13
2-Methyl-2-butene	ND	ND	ND	ND	ND	ND	ND
2,2-Dimethylbutane	0.21	ND	0.17	0.20	0.12	0.10	0.19
Cyclopentene	ND	0.05	U	ND	ND	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.16	ND	0.10	0.16	0.09	0.09	0.13
2,3-Dimethylbutane	0.25	ND	0.19	0.22	0.12	0.10	0.20
2-Methylpentane	0.15	0.04	0.10	0.14	0.12	0.07	0.14
3-Methylpentane	0.23	0.04	0.15	0.20	0.14	0.10	0.08
2-Methyl-1-pentene	ND	0.06	ND	ND	ND	0.07	ND
1-Hexene	0.17	0.07	0.25	0.24	0.13	0.14	0.16
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.19	0.04	0.10	0.14	0.12	0.08	0.19
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.15	ND	0.08	0.14	0.10	0.07	0.13
2,4-Dimethylpentane	0.16	ND	0.13	0.14	0.08	0.06	0.14
Benzene	0.29	0.18	0.24	0.23	0.24	0.17	0.22
Cyclohexane	0.20	ND	0.17	0.20	0.13	0.11	0.22
2-Methylhexane	0.18	ND	0.17	ND	ND	ND	0.04
2,3-Dimethylpentane	0.26	ND	0.25	0.28	0.07	0.07	0.25
3-Methylhexane	ND	0.07	0.17	0.14	0.14	0.10	0.14
1-Heptene	ND	ND	ND	ND	ND	0.05	ND
2,2,4-Trimethylpentane	0.10	0.06	0.12	0.15	0.12	0.05	0.10
n-Heptane	0.15	0.09	0.10	0.12	0.07	0.05	0.12
Methylcyclohexane	0.15	ND	0.11	0.13	0.11	0.05	0.12
2,2,3-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND
2,3,4-Trimethylpentane	0.10	ND	0.08	0.07	0.04	0.05	0.07
Toluene	0.78	0.08	0.14	0.30	0.30	0.22	0.16
2-Methylheptane	0.07	ND	0.07	0.07	0.04	0.04	0.06
3-Methylheptane	0.07	ND	0.08	0.08	0.04	0.04	0.08
1-Octene	ND	ND	ND	ND	ND	ND	ND
n-Octane	0.11	0.04	0.08	0.08	0.06	0.05	0.09
Ethylbenzene	0.14	ND	0.06	0.08	0.03	0.06	0.05
m-Xylene/p-Xylene	0.17	ND	0.09	0.14	0.10	0.17	0.09
Styrene	ND	ND	ND	ND	ND	ND	0.04
o-Xylene	0.12	0.05	0.10	0.09	0.06	0.07	0.05
1-Nonene	ND	ND	ND	ND	ND	0.02	U
n-Nonane	0.07	ND	0.06	0.07	0.04	0.06	0.06
Isopropylbenzene	0.14	ND	0.11	0.10	0.04	0.04	0.07
α-Pinene	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.08	ND	0.05	0.06	0.03	0.03	U
m-Ethyltoluene	0.09	ND	0.04	0.06	0.04	0.05	0.03
p-Ethyltoluene	0.09	ND	0.05	0.07	0.03	U	0.05
1,3,5-Trimethylbenzene	0.09	ND	0.06	0.07	0.03	0.04	0.04
o-Ethyltoluene	0.09	ND	0.06	0.06	0.03	U	0.05
β-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.11	0.04	0.07	0.08	0.05	0.08	0.06
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.08	ND	0.05	0.06	0.06	0.11	0.06
1,2,3-Trimethylbenzene	0.06	ND	0.03	0.06	0.03	ND	ND
m-Diethylbenzene	ND	ND	0.03	0.03	ND	ND	0.03
p-Diethylbenzene	ND	ND	ND	ND	ND	ND	ND
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.04	0.03	0.06	0.05	0.05	0.05	0.07
1-Dodecene	ND	ND	ND	ND	ND	ND	ND
n-Dodecane	ND	0.07	0.10	0.07	0.04	U	0.07
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	ND	ND	ND	ND
TNMOC (speciated) in ppbv	17.15	6.38	10.93	15.28	12.82	9.08	18.10
TNMOC (w/ unknowns) in ppbC	87.22	54.13	74.61	90.10	67.87	64.31	90.67

U Under detection limit.

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Sample No.:	BUND 30618	BUND 30745	BUND 30810	BUND 30938	BUND 30989	BUND 31078	BUND 31240
Sampling Date:	11/10/2002	11/16/2002	11/22/2002	11/28/2002	12/4/2002	12/10/2002	12/16/2002
Analysis Date:	12/13/2002	12/19/2002	12/18/2002	12/21/2002	1/2/2003	1/8/2003	1/11/2003
Filename:	N2LM009	N2LR012	N2LQ017	N2LT016	L3AB016	L3AG022	N3AJ014
Ethylene	0.75	1.18	0.45	0.44	1.20	0.87	1.61
Acetylene	0.38	0.90	0.47	0.36	0.66	0.47	0.61
Ethane	3.22	4.56	2.78	3.08	5.64	8.56	2.98
Propylene	0.21	0.30	0.13	0.13	0.26	0.37	0.44
Propane	2.10	3.49	1.75	2.03	2.87	5.84	2.11
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.36	0.89	0.32	0.35	0.62	1.16	0.33
Isobutene/1-Butene	0.36	0.19	0.11	0.08	0.18	1.29	0.78
1,3-Butadiene	ND	0.02 U	ND	ND	ND	ND	ND
n-Butane	0.87	1.49	0.76	0.90	1.49	3.02	0.87
trans-2-Butene	0.03 U	ND	ND	ND	ND	ND	ND
cis-2-Butene	0.04 U	ND	ND	ND	ND	ND	ND
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	0.32	1.00	0.34	0.28	0.72	1.12	0.42
1-Pentene	ND	ND	ND	0.01 U	ND	0.05	0.07
2-Methyl-1-butene	ND	ND	ND	ND	ND	0.10	0.04 U
n-Pentane	0.29	2.61	0.27	0.25	0.47	0.98	0.28
Isoprene	0.03	0.03	ND	ND	ND	0.06	0.04
trans-2-Pentene	0.02 U	0.02 U	ND	ND	ND	ND	ND
cis-2-Pentene	0.03 U	0.02 U	ND	ND	ND	ND	ND
2-Methyl-2-butene	ND	ND	ND	ND	ND	ND	ND
2,2-Dimethylbutane	0.04	0.73	ND	ND	ND	ND	0.02 U
Cyclopentene	ND	0.05	ND	0.07	ND	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.04	0.05	0.02 U	0.02 U	0.09	0.15	0.07
2,3-Dimethylbutane	0.05	0.04	0.03	0.02 U	0.04	0.03	0.06
2-Methylpentane	0.08	0.14	0.11	0.07	0.11	0.19	0.23
3-Methylpentane	0.07	0.11	0.10	0.03	0.34	0.63	0.32
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.04	0.03 U	0.04 U	0.02 U	0.06	0.13	0.11
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.08	0.26	0.12	0.08	0.14	0.25	0.21
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	0.10
Methylcyclopentane	0.06	0.15	0.05	0.03	0.07	0.14	0.03
2,4-Dimethylpentane	0.02 U	0.07	0.01 U	ND	ND	ND	0.06
Benzene	0.16	0.22	0.16	0.14	0.20	0.21	0.18
Cyclohexane	0.05	0.23	0.03	0.03	0.06	0.09	ND
2-Methylhexane	0.02 U	0.09	0.07	ND	ND	ND	ND
2,3-Dimethylpentane	0.02 U	0.04 U	0.04 U	ND	0.05	0.21	0.75
3-Methylhexane	0.03	0.08	0.04	0.02 U	0.46	0.98	5.20
1-Heptene	0.02 U	0.04	0.03 U	ND	ND	0.07	0.08
2,2,4-Trimethylpentane	0.03	0.06	0.04	0.04	0.15	0.10	0.11
n-Heptane	0.05	0.10	0.04	0.04	0.06	0.11	0.04
Methylcyclohexane	0.04	0.06	0.03	0.04	0.03	0.22	0.20
2,2,3-Trimethylpentane	0.02 U	ND	ND	ND	ND	ND	0.15
2,3,4-Trimethylpentane	0.02 U	0.02 U	0.02 U	0.04	ND	0.03	0.05
Toluene	0.11	0.56	0.15	0.07	0.17	0.19	0.28
2-Methylheptane	0.02 U	0.01 U	0.01 U	ND	0.03 U	0.04	0.20
3-Methylheptane	0.02	ND	0.01 U	ND	ND	ND	ND
1-Octene	ND	ND	ND	ND	ND	ND	ND
n-Octane	0.04	0.13	0.02	0.01 U	ND	0.07	0.04
Ethylbenzene	0.02	0.09	0.02 U	ND	ND	0.03	0.11
m-Xylene/p-Xylene	0.04	0.27	0.07	0.03	0.10	0.19	0.22
Styrene	0.01	0.03	ND	ND	ND	ND	ND
o-Xylene	0.02 U	0.15	0.04	0.05	ND	ND	0.75
1-Nonene	ND	0.02 U	ND	ND	ND	ND	0.03 U
n-Nonane	0.02	0.03	0.01 U	ND	0.09	0.03	0.04
Isopropylbenzene	0.01 U	ND	ND	ND	ND	0.03 U	0.01 U
α-Pinene	ND	0.07	ND	ND	0.07	0.42	0.11
n-Propylbenzene	0.01 U	0.02 U	0.01 U	ND	ND	0.05	0.05
m-Ethyltoluene	0.01 U	0.03	0.02 U	0.01 U	ND	ND	0.08
p-Ethyltoluene	0.02 U	0.01 U	0.01 U	0.01 U	ND	ND	0.04 U
1,3,5-Trimethylbenzene	0.01 U	0.01 U	0.01 U	ND	ND	ND	0.22
o-Ethyltoluene	ND	0.01 U	ND	ND	ND	ND	ND
β-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.02	0.04	0.05	0.02 U	ND	ND	0.02
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.22	0.10	0.01 U	0.02 U	ND	0.03	0.06
1,2,3-Trimethylbenzene	ND	0.01 U	ND	ND	ND	ND	ND
m-Diethylbenzene	ND	ND	ND	ND	ND	ND	ND
p-Diethylbenzene	ND	ND	ND	ND	ND	ND	0.03
1-Undecene	ND	ND	ND	ND	ND	ND	0.05
n-Undecane	0.89	0.26	0.02 U	0.04	0.03 U	0.04	0.04
1-Dodecene	ND	ND	ND	ND	ND	ND	0.02 U
n-Dodecane	0.22	0.08	0.01 U	0.02 U	0.04 U	0.05 U	0.00 U
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	ND	ND	ND	0.02 U
TNMOC (speciated) in ppbv	11.68	21.20	8.81	8.90	16.51	28.57	20.99
TNMOC (w/ unknowns) in ppbC	102.85	109.58	64.46	47.34	177.70	300.84	332.41

U Under detection limit.

Beluah, North Dakota (BUND) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbV)

Sample No.:	BUND 31291	BUND 31410
Sampling Date:	12/22/2002	12/28/2002
Analysis Date:	1/13/2003	1/14/2003
Filename:	L3AM010	L3AM015
Ethylene	0.56	0.47
Acetylene	0.44	0.56
Ethane	3.79	5.55
Propylene	0.23	0.25
Propane	2.17	3.78
Propyne	ND	ND
Isobutane	0.38	0.62
Isobutene/1-Butene	ND	0.12
1,3-Butadiene	ND	ND
n-Butane	0.85	1.56
trans-2-Butene	ND	ND
cis-2-Butene	ND	ND
3-Methyl-1-butene	ND	ND
Isopentane	0.46	0.55
1-Pentene	0.05	0.04
2-Methyl-1-butene	ND	ND
n-Pentane	0.29	0.54
Isoprene	ND	ND
trans-2-Pentene	ND	ND
cis-2-Pentene	ND	ND
2-Methyl-2-butene	ND	ND
2,2-Dimethylbutane	ND	ND
Cyclopentene	ND	ND
4-Methyl-1-pentene	ND	ND
Cyclopentane	0.07	0.07
2,3-Dimethylbutane	0.04	0.03
2-Methylpentane	0.08	0.13
3-Methylpentane	0.16	0.19
2-Methyl-1-pentene	ND	ND
1-Hexene	0.05	ND
2-Ethyl-1-butene	ND	ND
n-Hexane	0.10	0.18
trans-2-Hexene	ND	ND
cis-2-Hexene	ND	ND
Methylcyclopentane	0.04	0.07
2,4-Dimethylpentane	ND	ND
Benzene	0.19	0.20
Cyclohexane	ND	0.07
2-Methylhexane	ND	ND
2,3-Dimethylpentane	ND	ND
3-Methylhexane	0.16	0.16
1-Heptene	0.04	0.03
2,2,4-Trimethylpentane	0.02	U
n-Heptane	0.03	U
Methylcyclohexane	ND	0.05
2,2,3-Trimethylpentane	ND	ND
2,3,4-Trimethylpentane	ND	ND
Toluene	0.16	0.17
2-Methylheptane	ND	ND
3-Methylheptane	ND	ND
1-Octene	ND	ND
n-Octane	ND	0.03
Ethylbenzene	0.03	0.03
m-Xylene/p-Xylene	0.05	0.07
Styrene	0.03	ND
o-Xylene	0.02	0.03
1-Nonene	ND	ND
n-Nonane	ND	ND
Isopropylbenzene	ND	ND
a-Pinene	ND	ND
n-Propylbenzene	ND	ND
m-Ethyltoluene	ND	ND
p-Ethyltoluene	ND	ND
1,3,5-Trimethylbenzene	ND	ND
o-Ethyltoluene	ND	ND
b-Pinene	ND	ND
1,2,4-Trimethylbenzene	ND	0.02
1-Decene	ND	ND
n-Decane	ND	0.02
1,2,3-Trimethylbenzene	ND	ND
m-Diethylbenzene	ND	ND
p-Diethylbenzene	ND	ND
1-Undecene	ND	ND
n-Undecane	0.02	U
1-Dodecene	ND	ND
n-Dodecane	0.02	U
1-Tridecene	ND	ND
n-Tridecane	ND	ND
TNMOC (speciated) in ppbv	10.53	15.71
TNMOC (w/ unknowns) in ppbC	68.81	95.32

Cedar Rapids, Iowa Site 2 (C2IA) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	C2IA 24867	C2IA 25116	C2IA 25231	C2IA 25426 D1	C2IA 25426 R1	C2IA 25428 D2	C2IA 25428 R2
Sampling Date:	1/2/2002	1/14/2002	1/20/2002	1/26/2002	1/26/2002	1/26/2002	1/26/2002
Analysis Date:	1/25/2002	1/26/2002	1/29/2002	2/26/2002	2/27/2002	2/26/2002	2/27/2002
Filename:	L2AX 017	L2AY016	L2A#005	L2BZ009	L2B-004	L2BZ010	L2B-005
Ethylene	3.53	2.06	2.96	4.69	4.60	4.25	4.29
Acetylene	2.08	1.55	2.13	3.15	2.91	2.78	2.77
Ethane	6.12	6.93	11.84	16.48	16.53	14.85	15.14
Propylene	1.43	1.15	1.40	3.01	2.96	2.71	2.64
Propane	5.70	5.79	7.30	15.62	15.76	13.65	13.92
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	1.51	1.69	2.00	4.24	4.51	3.59	3.67
Isobutene/1-Butene	0.74	0.94	0.80	1.48	1.57	1.33	1.43
1,3-Butadiene	ND	ND	ND	0.27	0.28	0.27	0.26
n-Butane	4.23	3.83	5.09	10.12	10.69	8.70	9.16
trans-2-Butene	0.25	0.21	0.23	0.36	0.35	0.32	0.29
cis-2-Butene	0.36	0.29	0.35	0.46	0.54	0.45	0.45
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	3.04	3.08	3.87	5.91	6.05	5.38	5.29
1-Pentene	0.27	0.21	0.26	0.40	0.43	0.39	0.41
2-Methyl-1-butene	1.50	ND	ND	0.23	0.25	ND	0.20
n-Pentane	1.50	2.18	2.88	9.70	9.67	10.02	10.37
Isoprene	0.30	0.27	0.30	0.41	0.49	0.40	0.37
trans-2-Pentene	0.26	0.22	0.27	0.38	0.39	0.37	0.37
cis-2-Pentene	0.29	0.29	0.31	0.38	0.38	0.34	0.37
2-Methyl-2-butene	0.16	U	ND	0.28	0.38	0.45	0.48
2,2-Dimethylbutane	0.50	0.68	0.82	1.30	1.36	1.27	1.37
Cyclopentene	0.31	ND	ND	0.21	U	ND	0.17
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.17	0.44	0.43	0.61	0.59	0.54	0.67
2,3-Dimethylbutane	0.61	0.80	1.19	1.94	1.95	1.88	1.92
2-Methylpentane	1.23	2.72	5.07	9.38	9.42	9.54	9.86
3-Methylpentane	0.83	1.29	2.46	4.47	4.44	4.14	4.44
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.56	0.46	0.44	0.65	0.71	0.66	0.64
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.94	0.86	1.07	2.33	2.37	2.03	2.10
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.54	0.55	0.57	1.25	1.35	1.25	1.26
2,4-Dimethylpentane	0.45	0.40	0.42	0.82	0.90	0.71	0.80
Benzene	1.73	1.21	1.41	2.55	2.53	2.14	2.27
Cyclohexane	0.55	0.56	0.60	1.24	1.22	1.24	1.16
2-Methylhexane	1.24	1.02	1.03	1.73	1.65	1.75	1.71
2,3-Dimethylpentane	0.93	0.91	0.93	1.36	1.43	1.29	1.23
3-Methylhexane	0.83	0.52	0.82	1.00	0.99	0.92	0.93
1-Heptene	ND	ND	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	0.74	0.44	0.65	1.92	1.97	1.73	1.76
n-Heptane	0.45	0.38	0.44	0.98	1.01	0.93	0.91
Methylcyclohexane	0.48	0.52	0.48	1.07	1.09	1.07	0.91
2,2,3-Trimethylpentane	ND	ND	ND	0.25	0.21	U	0.19
2,3,4-Trimethylpentane	0.18	U	0.27	0.32	0.64	0.58	0.60
Toluene	1.95	1.37	1.81	3.67	3.98	3.44	3.68
2-Methylheptane	0.33	0.27	0.25	U	0.28	0.26	0.26
3-Methylheptane	0.27	0.20	0.24	0.40	0.34	0.29	0.31
1-Octene	0.27	ND	ND	ND	ND	ND	0.17
n-Octane	0.56	0.29	0.30	0.53	0.55	0.54	0.51
Ethylbenzene	0.47	0.33	0.41	0.55	0.66	0.50	0.58
m-Xylene/p-Xylene	1.83	1.04	1.07	1.96	2.37	1.07	1.36
Styrene	ND	ND	ND	0.18	0.34	0.56	0.64
o-Xylene	0.70	0.60	0.40	0.96	1.05	0.91	1.01
1-Nonene	ND	ND	ND	ND	ND	ND	ND
n-Nonane	0.38	0.27	0.30	0.37	0.37	0.35	0.36
Isopropylbenzene	ND	0.29	U	0.26	U	0.23	U
a-Pinene	ND	ND	ND	0.20	U	0.31	U
n-Propylbenzene	0.20	U	0.17	U	0.22	U	0.20
m-Ethyltoluene	0.35	0.32	0.30	0.38	0.40	0.31	0.40
p-Ethyltoluene	0.25	U	0.29	U	0.29	U	0.33
1,3,5-Trimethylbenzene	0.15	U	ND	0.16	U	0.23	0.25
o-Ethyltoluene	0.28	U	ND	0.20	U	0.19	U
b-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.48	0.44	0.38	0.65	0.60	0.51	0.58
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.28	0.41	0.44	0.58	0.47	0.43	0.52
1,2,3-Trimethylbenzene	4.46	0.20	0.18	0.19	0.17	0.20	0.21
m-Diethylbenzene	ND	0.23	U	0.25	U	0.41	0.49
p-Diethylbenzene	0.18	0.27	ND	0.22	0.17	0.16	0.22
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.34	1.56	0.96	1.27	1.33	1.19	1.02
1-Dodecene	ND	ND	ND	ND	ND	ND	ND
n-Dodecane	0.20	U	0.60	U	1.17	0.97	0.91
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	0.27	U	0.25	U
TNMOC (speciated)	60.46	54.71	69.79	128.61	130.91	117.63	121.62
TNMOC (w/ unknowns)	88.69	93.57	105.09	191.05	194.17	178.34	186.39

NR Not reportable due to sampler contamination.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Cedar Rapids, Iowa Site 2 (C2IA) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	C2IA 25531	C2IA 25634	C2IA 25725	C2IA 25867	C2IA 25985 D1	C2IA 25985 R1	C2IA 25987 D2
Sampling Date:	2/1/2002	2/7/2002	2/13/2002	2/19/2002	2/25/2002	2/25/2002	2/25/2002
Analysis Date:	2/27/2002	2/28/2002	3/1/2002	3/5/2002	3/6/2002	3/6/2002	3/6/2002
Filename:	L2BZ025	L2BI008	L2BI013	L2CE010	L2CE019	L2CF006	L2CE020
Ethylene	2.81	3.42	2.40	3.94	1.95	2.04	1.73
Acetylene	2.11	1.94	1.82	2.62	1.70	1.74	1.50
Ethane	6.75	12.35	7.33	9.40	6.13	6.27	6.10
Propylene	1.33	2.42	1.57	3.09	1.06	1.13	1.01
Propane	6.62	11.77	6.65	8.16	5.04	5.14	4.94
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	1.46	2.39	1.46	2.00	1.18	1.21	1.18
Isobutene/1-Butene	1.11	1.19	0.87	1.81	1.14	1.07	1.24
1,3-Butadiene	0.19	U	0.15	U	ND	ND	ND
n-Butane	4.04	6.42	3.38	6.16	2.82	2.83	2.59
trans-2-Butene	0.27	0.27	0.30	0.35	0.27	0.25	0.27
cis-2-Butene	0.31	0.39	0.37	0.43	0.42	0.36	0.36
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	2.48	3.67	2.08	1.62	1.50	1.47	1.50
1-Pentene	0.34	0.25	0.25	0.49	0.30	0.31	0.26
2-Methyl-1-butene	ND	ND	ND	0.19	U	ND	ND
n-Pentane	1.38	2.46	1.44	2.14	1.06	1.09	1.04
Isoprene	0.34	0.32	0.52	0.27	0.25	0.22	0.30
trans-2-Pentene	0.26	0.31	0.24	0.46	0.27	0.26	0.25
cis-2-Pentene	0.35	0.33	0.31	0.44	0.40	0.37	0.35
2-Methyl-2-butene	0.16	U	0.17	U	0.20	U	0.46
2,2-Dimethylbutane	0.52	0.66	0.60	1.46	0.63	0.57	0.56
Cyclopentene	0.16	U	ND	ND	ND	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.35	0.42	0.46	0.53	0.34	0.29	0.34
2,3-Dimethylbutane	0.64	0.68	0.59	1.68	0.59	0.58	0.58
2-Methylpentane	1.73	2.42	1.52	8.48	1.48	1.57	1.70
3-Methylpentane	0.86	1.03	0.71	3.43	0.70	0.67	0.66
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.59	0.56	0.54	0.69	0.56	0.57	0.56
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.90	1.29	0.80	1.33	0.66	0.80	0.59
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.59	0.71	0.62	0.79	0.46	0.51	0.52
2,4-Dimethylpentane	0.53	0.52	0.40	0.55	0.54	0.42	0.52
Benzene	2.25	1.76	1.68	2.28	1.46	1.46	1.49
Cyclohexane	0.52	0.67	0.53	0.68	0.54	0.56	0.54
2-Methylhexane	0.71	1.21	1.44	1.59	1.29	1.38	1.15
2,3-Dimethylpentane	0.76	0.81	0.76	0.86	0.87	0.80	0.79
3-Methylhexane	0.46	0.38	0.44	0.75	0.44	0.34	0.36
1-Heptene	0.23	U	0.18	U	ND	ND	ND
2,2,4-Trimethylpentane	0.75	0.62	0.67	0.97	0.64	0.65	0.52
n-Heptane	0.45	0.60	0.42	0.67	0.44	0.45	0.41
Methylcyclohexane	0.53	0.63	0.51	0.61	0.52	0.47	0.50
2,2,3-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND
2,3,4-Trimethylpentane	0.42	0.36	0.32	0.40	0.29	0.30	0.29
Toluene	1.79	1.96	1.29	2.89	1.27	1.32	1.08
2-Methylheptane	0.20	U	0.24	U	0.28	0.26	0.21
3-Methylheptane	0.29	0.27	0.25	0.32	0.25	0.27	0.23
1-Octene	ND	0.19	U	ND	ND	ND	ND
n-Octane	0.38	0.40	0.35	0.44	0.37	0.33	0.31
Ethylbenzene	0.50	0.54	0.34	0.70	0.30	0.24	0.22
m-Xylene/p-Xylene	2.07	1.48	1.40	2.58	0.84	0.74	0.99
Styrene	0.69	0.40	0.29	0.68	ND	ND	0.15
o-Xylene	0.53	0.93	0.84	1.40	0.43	0.46	0.34
1-Nonene	ND	ND	ND	ND	ND	ND	ND
n-Nonane	0.29	0.30	0.31	0.40	0.22	0.22	0.24
Isopropylbenzene	0.17	U	0.27	U	0.30	0.27	U
a-Pinene	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.17	U	0.20	U	0.23	U	0.18
m-Ethyltoluene	0.31	0.33	0.24	0.58	0.18	0.25	0.24
p-Ethyltoluene	0.28	U	0.23	U	0.21	U	0.18
1,3,5-Trimethylbenzene	0.16	U	0.16	U	0.30	ND	ND
o-Ethyltoluene	ND	ND	ND	ND	ND	0.16	U
b-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.37	0.14	U	0.27	0.57	0.29	0.28
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.26	0.43	0.31	0.34	0.18	U	0.21
1,2,3-Trimethylbenzene	0.16	ND	1.01	ND	ND	ND	ND
m-Diethylbenzene	0.48	0.30	U	0.33	0.34	0.17	U
p-Diethylbenzene	0.31	0.18	0.28	0.40	0.15	0.15	0.15
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.99	1.85	0.53	1.12	0.37	0.37	0.34
1-Dodecene	ND	ND	ND	ND	ND	ND	ND
n-Dodecane	0.71	U	1.65	U	1.02	0.86	U
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	0.23	U	0.37	U	0.50	U	0.24
TNMOC (speciated)	57.59	78.54	53.97	87.65	44.88	45.35	44.16
TNMOC (w/ unknowns)	127.33	146.53	109.53	148.67	84.24	83.36	88.45

NR Not reportable due to sampler contamination.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Cedar Rapids, Iowa Site 2 (C2IA) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	C2IA 25987 R2	C2IA 26151	C2IA 26332	C2IA 26335	C2IA 26395	C2IA 26502	C2IA 26640
Sampling Date:	2/25/2002	3/3/2002	3/9/2002	3/15/2002	3/21/2002	3/27/2002	4/2/2002
Analysis Date:	3/6/2002		3/25/2002	3/25/2002	3/28/2002	4/5/2002	4/11/2002
Filename:	L2CF007	VOID	L2CY004	L2CY005	L2C-011	L2DE009	L2DK004
Ethylene	1.77		1.88	3.90	0.76	4.25	0.67
Acetylene	1.45		1.43	1.37	1.34	2.46	1.46
Ethane	6.08		6.87	6.25	6.17	8.46	6.31
Propylene	1.09		1.18	2.26	1.01	3.10	1.55
Propane	4.92		6.30	5.04	4.57	7.03	4.99
Propyne	ND		ND	ND	ND	ND	ND
Isobutane	1.15		1.46	1.46	1.21	1.55	0.99
Isobutene/1-Butene	1.22		1.16	1.34	0.78	1.52	1.52
1,3-Butadiene	ND		ND	ND	ND	0.15	ND
n-Butane	2.61		3.63	2.52	2.38	4.53	2.60
trans-2-Butene	0.27		0.22	0.23	0.22	0.32	0.22
cis-2-Butene	0.40		0.31	0.29	0.30	0.44	0.40
3-Methyl-1-butene	ND		ND	ND	ND	ND	ND
Isopentane	1.36		2.21	1.29	2.05	3.37	1.74
1-Pentene	0.29		0.28	0.55	0.25	0.36	0.31
2-Methyl-1-butene	ND		0.20	ND	ND	0.23	ND
n-Pentane	1.06		1.39	1.02	1.77	1.92	1.02
Isoprene	0.25		0.27	0.21	0.20	0.31	0.27
trans-2-Pentene	0.22		0.27	0.23	0.25	0.40	0.23
cis-2-Pentene	0.35		0.32	0.28	0.33	0.38	0.31
2-Methyl-2-butene	0.42		0.63	0.28	ND	0.18	ND
2,2-Dimethylbutane	0.58		0.60	0.65	0.42	0.91	0.47
Cyclopentene	ND		ND	ND	ND	ND	ND
4-Methyl-1-pentene	ND		ND	ND	ND	ND	ND
Cyclopentane	0.32		0.42	0.24	0.33	0.35	0.33
2,3-Dimethylbutane	0.59		0.59	0.63	0.48	1.25	0.58
2-Methylpentane	1.75		2.42	2.55	0.54	4.55	0.84
3-Methylpentane	0.65		1.01	0.99	0.62	2.46	0.81
2-Methyl-1-pentene	ND		ND	ND	ND	ND	ND
1-Hexene	0.53		0.52	0.86	0.52	0.66	0.50
2-Ethyl-1-butene	ND		ND	ND	ND	ND	ND
n-Hexane	0.69		0.73	0.62	0.66	1.07	0.74
trans-2-Hexene	ND		ND	ND	ND	ND	ND
cis-2-Hexene	ND		ND	ND	ND	ND	ND
Methylcyclopentane	0.55		0.48	1.01	0.40	0.67	0.46
2,4-Dimethylpentane	0.46		0.58	0.55	0.43	0.56	0.45
Benzene	1.46		1.46	1.62	1.34	1.91	1.28
Cyclohexane	0.52		0.50	0.48	0.52	0.55	0.54
2-Methylhexane	1.23		1.55	1.76	0.62	1.18	1.04
2,3-Dimethylpentane	0.74		0.79	0.72	0.95	0.93	1.01
3-Methylhexane	0.38		0.46	ND	0.76	0.93	0.55
1-Heptene	ND		ND	0.52	ND	0.14	ND
2,2,4-Trimethylpentane	0.54		1.26	0.49	0.42	0.90	0.66
n-Heptane	0.40		0.47	0.44	0.40	0.64	0.43
Methylcyclohexane	0.49		0.55	0.44	0.43	0.59	0.51
2,2,3-Trimethylpentane	ND		ND	ND	ND	ND	ND
2,3,4-Trimethylpentane	0.30		0.33	0.64	0.24	0.40	0.35
Toluene	1.15		1.92	1.06	1.23	2.55	1.31
2-Methylheptane	0.22	U	0.18	ND	0.20	0.25	0.28
3-Methylheptane	0.25		0.23	ND	0.25	0.30	0.22
1-Octene	ND		ND	0.63	ND	ND	ND
n-Octane	0.33		0.35	0.44	0.25	0.41	0.29
Ethylbenzene	0.30		0.31	0.41	0.34	0.40	0.42
m-Xylene/p-Xylene	0.98		1.29	0.97	0.99	2.27	0.87
Styrene	ND		0.42	ND	0.55	ND	0.56
o-Xylene	0.50		0.72	0.53	0.31	0.61	0.46
1-Nonene	ND		ND	0.20	U	ND	ND
n-Nonane	0.24		0.21	0.28	0.23	0.31	0.29
Isopropylbenzene	0.29	U	0.29	0.16	U	0.24	0.27
a-Pinene	ND		0.51	ND	ND	ND	ND
n-Propylbenzene	0.15	U	0.16	0.28	U	0.20	ND
m-Ethyltoluene	0.23		0.23	0.30	0.23	0.35	0.29
p-Ethyltoluene	0.22	U	0.16	0.15	U	0.31	0.25
1,3,5-Trimethylbenzene	ND		0.16	ND	ND	0.21	0.22
o-Ethyltoluene	0.21	U	ND	ND	ND	0.25	0.20
b-Pinene	ND		ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.22		0.38	0.49	0.26	0.57	0.34
1-Decene	ND		ND	ND	ND	ND	ND
n-Decane	0.20		0.23	0.38	0.38	0.29	0.34
1,2,3-Trimethylbenzene	ND		ND	ND	ND	0.22	ND
m-Diethylbenzene	0.15	U	0.92	0.61	0.40	0.38	0.24
p-Diethylbenzene	0.23		0.21	0.34	0.33	0.34	0.35
1-Undecene	ND		ND	ND	ND	ND	ND
n-Undecane	0.29	U	0.70	1.01	1.70	0.84	1.26
1-Dodecene	ND		ND	ND	ND	ND	ND
n-Dodecane	0.51	U	0.86	0.94	1.62	0.77	1.80
1-Tridecene	ND		ND	ND	ND	ND	ND
n-Tridecane	0.19	U	0.22	0.31	U	0.24	0.61
TNMOC (speciated)	43.92		55.36	53.20	44.21	73.91	46.93
TNMOC (w/ unknowns)	91.42		109.37	203.37	87.40	128.69	106.72

NR Not reportable due to sampler contamination.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Cedar Rapids, Iowa Site 2 (C2IA) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	C2IA 26716	C2IA 26892	C2IA 27094	C2IA 27269	C2IA 27332	C2IA 27438	C2IA 27533 D1
Sampling Date:	4/8/2002	4/14/2002	4/26/2002	4/29/2002	5/2/2002	5/8/2002	5/14/2002
Analysis Date:	4/12/2002	4/26/2002	5/3/2002	5/4/2002	5/9/2002	5/14/2002	5/20/2002
Filename:	L2DK021	L2D011	L2EC010	L2EC024	L2EH022	L2EN005	L2ET015
Ethylene	2.23	3.56	1.81	1.66	1.24	2.15	2.34
Acetylene	1.58	2.06	1.07	1.40	0.80	0.94	1.10
Ethane	7.15	8.54	4.82	5.30	4.18	4.24	4.91
Propylene	1.14	1.95	0.75	0.65	0.54	0.81	1.04
Propane	5.33	7.06	3.03	3.75	2.37	2.87	3.40
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	1.08	2.44	0.59	1.62	0.52	1.00	0.75
Isobutene/1-Butene	0.99	1.59	1.41	1.35	0.98	1.56	1.36
1,3-Butadiene	ND	0.26	U	ND	ND	ND	ND
n-Butane	2.78	6.11	1.43	4.24	1.08	1.80	2.00
trans-2-Butene	0.22	0.34	0.22	0.33	0.21	0.21	0.25
cis-2-Butene	0.31	0.46	0.30	0.37	0.31	0.29	0.37
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	NR	NR	NR	NR	NR	NR	NR
1-Pentene	0.26	0.70	0.28	0.53	0.41	0.72	0.47
2-Methyl-1-butene	ND	0.30	ND	ND	ND	ND	0.26
n-Pentane	1.42	3.74	0.89	14.15	0.76	1.50	1.72
Isoprene	0.24	0.29	0.23	0.37	0.27	0.33	0.35
trans-2-Pentene	0.32	0.53	0.22	0.55	0.25	0.35	0.35
cis-2-Pentene	0.27	0.40	0.24	0.44	0.29	0.28	0.37
2-Methyl-2-butene	ND	0.81	ND	0.42	0.37	ND	1.21
2,2-Dimethylbutane	0.65	1.17	0.42	0.57	0.45	0.56	0.63
Cyclopentene	ND	ND	ND	0.15	U	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.25	0.47	0.28	0.61	0.17	0.34	0.41
2,3-Dimethylbutane	0.87	1.76	0.59	0.83	0.45	1.01	0.72
2-Methylpentane	3.23	8.63	1.64	2.60	1.23	5.60	2.69
3-Methylpentane	1.69	3.18	0.96	1.38	0.65	1.25	1.29
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.55	0.66	0.52	0.88	0.61	0.64	0.66
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	1.00	1.79	0.71	1.54	0.61	1.53	1.03
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.42	0.83	0.38	0.93	0.39	0.45	0.64
2,4-Dimethylpentane	0.47	0.67	0.41	0.52	0.40	0.42	0.54
Benzene	1.86	2.59	1.55	2.47	1.94	1.60	1.93
Cyclohexane	0.48	0.75	0.43	1.69	0.42	0.40	0.49
2-Methylhexane	1.90	2.19	1.56	1.76	1.48	2.12	2.13
2,3-Dimethylpentane	1.45	1.57	1.34	1.39	1.10	1.79	1.81
3-Methylhexane	2.46	2.69	2.14	2.59	2.12	3.72	3.39
1-Heptene	0.23	U	0.49	0.37	0.29	0.47	0.33
2,2,4-Trimethylpentane	0.70	1.28	0.49	0.62	0.43	0.69	0.86
n-Heptane	NR	NR	NR	NR	NR	NR	NR
Methylcyclohexane	1.17	1.33	1.16	1.10	0.91	1.69	1.64
2,2,3-Trimethylpentane	0.46	0.58	0.29	0.39	0.33	0.83	0.83
2,3,4-Trimethylpentane	0.29	0.50	0.24	0.35	0.28	0.35	0.39
Toluene	NR	NR	NR	NR	NR	NR	NR
2-Methylheptane	0.21	U	0.32	0.32	0.28	U	0.29
3-Methylheptane	0.31	0.42	0.27	0.32	0.26	0.31	0.42
1-Octene	0.24	0.58	0.41	0.71	0.28	0.41	0.22
n-Octane	0.41	0.60	0.53	0.46	0.37	0.56	0.82
Ethylbenzene	NR	NR	NR	NR	NR	NR	NR
m-Xylene/p-Xylene	NR	NR	NR	NR	NR	NR	NR
Styrene	NR	NR	NR	NR	NR	NR	NR
o-Xylene	NR	NR	NR	NR	NR	NR	NR
1-Nonene	0.24	U	0.70	U	0.25	U	0.17
n-Nonane	0.33	0.52	0.48	0.37	0.32	0.48	0.77
Isopropylbenzene	NR	NR	NR	NR	NR	NR	NR
a-Pinene	ND	0.28	U	ND	ND	ND	ND
n-Propylbenzene	NR	NR	NR	NR	NR	NR	NR
m-Ethyltoluene	NR	NR	NR	NR	NR	NR	NR
p-Ethyltoluene	NR	NR	NR	NR	NR	NR	NR
1,3,5-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR
o-Ethyltoluene	NR	NR	NR	NR	NR	NR	NR
b-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	2.29	2.16	1.63	1.65	1.31	2.40	2.48
1,2,3-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR
m-Diethylbenzene	NR	NR	NR	NR	NR	NR	NR
p-Diethylbenzene	NR	NR	NR	NR	NR	NR	NR
1-Undecene	ND	ND	ND	0.25	U	ND	ND
n-Undecane	1.71	2.59	0.57	1.53	0.42	1.14	0.89
1-Dodecene	NR	NR	NR	NR	NR	NR	NR
n-Dodecane	1.44	2.55	0.44	U	1.53	0.54	U
1-Tridecene	1.45	ND	0.27	U	ND	0.32	U
n-Tridecane	0.86	0.72	U	ND	0.34	U	0.31
TNMOC (speciated)	NR	NR	NR	NR	NR	NR	NR
TNMOC (w/ unknowns)	NR	NR	NR	NR	NR	NR	NR

NR Not reportable due to sampler contamination.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Cedar Rapids, Iowa Site 2 (C2IA) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	C2IA 27533 R1	C2IA 27535 D2	C2IA 27535 R2	C2IA 27664	C2IA 27778	C2IA 27838	C2IA 27919
Sampling Date:	5/14/2002	5/14/2002	5/14/2002	5/20/2002	5/26/2002	6/1/2002	6/7/2002
Analysis Date:	5/21/2002	5/21/2002	5/21/2002	5/24/2002	6/4/2002	7/1/2002	7/2/2002
Filename:	L2EU013	L2ET016	L2EU014	L2EW020	L2FC015	L2GA006	L2GB014
Ethylene	2.37	2.02	2.13	1.78	1.65	2.99	2.18
Acetylene	1.19	1.09	1.11	1.41	0.73	1.16	1.09
Ethane	5.08	5.04	5.16	5.28	3.91	4.35	4.46
Propylene	1.03	0.93	0.89	0.70	0.67	1.48	1.03
Propane	3.48	3.37	3.47	5.02	2.62	4.15	3.27
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.77	0.75	0.76	1.50	0.78	1.71	1.12
Isobutene/1-Butene	1.44	2.08	2.16	1.15	1.57	5.18	1.98
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND
n-Butane	2.03	2.03	2.05	3.51	1.59	4.22	1.25
trans-2-Butene	0.28	0.27	0.29	0.26	0.22	0.46	0.28
cis-2-Butene	0.37	0.38	0.42	0.30	0.34	0.78	0.76
3-Methyl-1-butene	ND	ND	ND	8.70	ND	ND	ND
Isopentane	NR	NR	NR	NR	NR	NR	NR
1-Pentene	0.52	0.67	0.55	0.50	0.36	1.56	0.61
2-Methyl-1-butene	0.25	0.25	0.17	U	ND	0.38	ND
n-Pentane	1.96	1.61	1.66	4.32	1.17	5.82	1.76
Isoprene	0.35	0.45	0.47	0.33	0.39	4.94	0.90
trans-2-Pentene	0.37	0.35	0.36	0.37	0.26	0.61	0.49
cis-2-Pentene	0.38	0.34	0.37	0.34	0.30	0.70	0.61
2-Methyl-2-butene	ND	ND	ND	ND	ND	1.08	ND
2,2-Dimethylbutane	0.62	0.61	0.61	0.51	0.56	1.62	1.27
Cyclopentene	ND	0.17	U	ND	0.27	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.29	0.40	0.33	0.49	0.36	0.79	0.57
2,3-Dimethylbutane	0.77	0.69	0.70	0.62	0.93	2.17	2.05
2-Methylpentane	2.85	1.93	2.20	1.18	4.36	7.61	7.87
3-Methylpentane	1.25	1.26	1.33	0.96	1.77	3.59	4.19
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.64	0.74	0.73	0.57	0.66	1.26	1.10
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	1.11	1.04	1.12	1.06	1.08	2.03	1.06
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.63	0.58	0.62	0.57	0.46	1.20	0.75
2,4-Dimethylpentane	0.51	0.50	0.52	0.52	0.48	1.06	0.81
Benzene	1.96	2.25	2.31	2.54	1.19	2.04	1.56
Cyclohexane	0.55	0.46	0.56	0.82	0.48	1.14	0.84
2-Methylhexane	2.19	0.73	0.82	1.94	1.46	2.27	1.63
2,3-Dimethylpentane	1.73	1.09	1.06	1.33	1.07	2.14	1.46
3-Methylhexane	4.03	1.30	1.21	3.81	2.24	4.65	1.56
1-Heptene	0.41	0.28	0.29	0.29	0.35	0.27	ND
2,2,4-Trimethylpentane	0.78	0.76	0.76	0.73	0.67	1.65	1.09
n-Heptane	NR	NR	NR	NR	NR	NR	NR
Methylcyclohexane	1.66	0.90	0.94	1.29	0.82	2.01	1.15
2,2,3-Trimethylpentane	0.85	ND	0.14	U	0.15	U	0.56
2,3,4-Trimethylpentane	0.47	0.35	0.42	0.39	0.35	0.78	0.52
Toluene	NR	NR	NR	NR	NR	NR	NR
2-Methylheptane	0.40	0.41	0.40	0.30	0.30	1.15	0.58
3-Methylheptane	0.42	0.52	0.51	0.31	0.30	1.34	0.70
1-Octene	0.18	U	0.42	0.21	U	0.29	ND
n-Octane	0.87	0.98	1.01	0.53	0.44	2.53	1.29
Ethylbenzene	NR	NR	NR	NR	NR	NR	NR
m-Xylene/p-Xylene	NR	NR	NR	NR	NR	NR	NR
Styrene	NR	NR	NR	NR	NR	NR	NR
o-Xylene	NR	NR	NR	NR	NR	NR	NR
1-Nonene	ND	0.40	0.42	0.20	U	0.28	U
n-Nonane	0.86	0.93	0.89	0.43	0.52	0.81	0.96
Isopropylbenzene	NR	NR	NR	NR	NR	NR	NR
a-Pinene	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	NR	NR	NR	NR	NR	NR	NR
m-Ethyltoluene	NR	NR	NR	NR	NR	NR	NR
p-Ethyltoluene	NR	NR	NR	NR	NR	NR	NR
1,3,5-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR
o-Ethyltoluene	NR	NR	NR	NR	NR	NR	NR
b-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	2.65	1.52	1.45	1.95	1.86	1.42	2.24
1,2,3-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR
m-Diethylbenzene	NR	NR	NR	NR	NR	NR	NR
p-Diethylbenzene	NR	NR	NR	NR	NR	NR	NR
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.92	0.94	0.94	3.42	1.11	0.94	1.14
1-Dodecene	NR	NR	NR	NR	NR	NR	NR
n-Dodecane	0.62	U	0.84	0.66	U	1.18	0.68
1-Tridecene	ND	0.25	U	0.21	U	0.26	U
n-Tridecane	0.15	U	0.35	U	0.24	U	0.28
TNMOC (speciated)	NR	NR	NR	NR	NR	NR	NR
TNMOC (w/ unknowns)	NR	NR	NR	NR	NR	NR	NR

NR Not reportable due to sampler contamination.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Cedar Rapids, Iowa Site 2 (C2IA) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	C2IA 28011	C2IA 28230	C2IA 28310 D1	C2IA 28310 R1	C2IA 28311 D2	C2IA 28311 R2	C2IA 28476
Sampling Date:	6/13/2002	6/19/2002	6/25/2002	6/25/2002	6/25/2002	6/25/2002	7/1/2002
Analysis Date:	7/13/2002	7/13/2002	7/24/2002	8/15/2002	8/13/2002	8/15/2002	8/1/2002
Filename:	L2GL019	L2GL026	N2GX005	L2HO008	L2HM011	L2HO009	L2HA006
Ethylene	2.10	1.23	2.04	2.97	3.27	3.26	1.76
Acetylene	0.67	0.50	1.36	1.22	1.23	1.27	0.58
Ethane	3.61	1.96	3.20	3.94	4.13	4.34	4.05
Propylene	0.95	0.62	0.94	1.77	1.66	1.76	1.08
Propane	2.71	1.94	3.11	4.37	4.51	4.59	3.45
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	1.02	0.53	1.18	1.91	1.55	1.74	1.14
Isobutene/1-Butene	2.04	1.13	2.90	3.54	3.56	3.68	2.46
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND
n-Butane	1.79	1.21	2.76	3.57	3.63	3.74	2.31
trans-2-Butene	0.47	0.25	0.21	0.70	0.74	0.73	0.40
cis-2-Butene	0.68	0.31	0.30	1.11	1.02	0.98	0.62
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	NR	NR	NR	NR	NR	NR	NR
1-Pentene	0.72	0.35	0.32	0.93	0.85	0.86	0.54
2-Methyl-1-butene	ND	ND	0.21	0.43	0.32	0.48	ND
n-Pentane	1.42	1.01	3.49	5.52	3.01	3.22	1.93
Isoprene	2.16	0.68	5.48	4.49	4.47	4.69	3.52
trans-2-Pentene	0.50	0.31	0.29	0.74	0.84	0.94	0.48
cis-2-Pentene	0.67	0.34	0.35	0.93	0.94	1.00	0.59
2-Methyl-2-butene	ND	ND	ND	ND	0.36	ND	0.28
2,2-Dimethylbutane	0.96	0.61	1.66	1.67	1.67	1.72	0.96
Cyclopentene	0.26	ND	ND	ND	ND	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.56	0.29	0.59	1.01	0.85	1.02	0.57
2,3-Dimethylbutane	1.08	0.97	1.14	2.02	2.09	2.10	1.05
2-Methylpentane	1.71	3.65	3.33	5.78	4.49	6.02	1.68
3-Methylpentane	1.18	1.69	2.12	2.69	2.61	2.69	1.11
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	1.16	0.58	1.00	1.57	1.52	1.83	1.05
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	1.04	0.81	1.13	2.20	1.94	2.21	1.27
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.62	0.39	0.72	1.45	1.14	1.36	0.73
2,4-Dimethylpentane	0.75	0.42	0.62	1.26	1.31	1.37	0.76
Benzene	1.22	0.77	2.32	2.48	2.44	2.71	1.46
Cyclohexane	0.78	0.46	0.53	1.38	1.38	1.48	0.79
2-Methylhexane	1.43	0.74	1.95	2.58	1.78	2.05	1.63
2,3-Dimethylpentane	1.39	0.76	1.27	2.13	1.86	1.89	1.36
3-Methylhexane	2.80	1.69	2.11	2.39	1.02	1.38	1.61
1-Heptene	ND	ND	ND	ND	ND	ND	0.27
2,2,4-Trimethylpentane	1.05	0.57	1.29	1.42	1.58	1.88	0.88
n-Heptane	NR	NR	NR	NR	NR	NR	NR
Methylcyclohexane	0.94	0.46	0.90	1.51	1.10	1.09	0.98
2,2,3-Trimethylpentane	ND	ND	0.91	0.45	ND	ND	0.26
2,3,4-Trimethylpentane	0.53	0.29	0.42	0.88	0.92	1.28	0.54
Toluene	NR	NR	NR	NR	NR	NR	NR
2-Methylheptane	0.38	0.18	0.41	0.64	0.59	0.62	0.47
3-Methylheptane	0.39	0.20	0.42	0.71	0.72	0.86	0.44
1-Octene	ND	ND	ND	0.30	0.34	0.37	ND
n-Octane	0.50	0.22	0.65	0.87	0.92	0.99	0.59
Ethylbenzene	NR	NR	NR	NR	NR	NR	NR
m-Xylene/p-Xylene	NR	NR	NR	NR	NR	NR	NR
Styrene	NR	NR	NR	NR	NR	NR	NR
o-Xylene	NR	NR	NR	NR	NR	NR	NR
1-Nonene	ND	ND	ND	ND	0.32	ND	ND
n-Nonane	0.33	0.23	0.68	0.82	0.80	0.90	0.48
Isopropylbenzene	NR	NR	NR	NR	NR	NR	NR
a-Pinene	ND	ND	ND	2.69	3.34	3.50	1.35
n-Propylbenzene	NR	NR	NR	NR	NR	NR	NR
m-Ethyltoluene	NR	NR	NR	NR	NR	NR	NR
p-Ethyltoluene	NR	NR	NR	NR	NR	NR	NR
1,3,5-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR
o-Ethyltoluene	NR	NR	NR	NR	NR	NR	NR
b-Pinene	ND	ND	ND	ND	8.26	ND	3.13
1,2,4-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	1.21	0.59	14.55	2.46	1.73	1.40	1.78
1,2,3-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR
m-Diethylbenzene	NR	NR	NR	NR	NR	NR	NR
p-Diethylbenzene	NR	NR	NR	NR	NR	NR	NR
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.91	0.48	1.27	2.06	2.94	2.91	0.96
1-Dodecene	NR	NR	NR	NR	NR	NR	NR
n-Dodecane	0.79	0.45	0.38	1.40	1.48	1.55	0.61
1-Tridecene	ND	0.19	ND	0.39	0.69	0.61	ND
n-Tridecane	ND	0.14	ND	ND	0.34	ND	ND
TNMOC (speciated)	NR	NR	NR	NR	NR	NR	NR
TNMOC (w/ unknowns)	NR	NR	NR	NR	NR	NR	NR

NR Not reportable due to sampler contamination.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Cedar Rapids, Iowa Site 2 (C2IA) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	C2IA 28614	C2IA 28713	C2IA 28875	C2IA 28961	C2IA 29060	C2IA 29318	C2IA 29463
Sampling Date:	7/7/2002	7/13/2002	7/19/2002	7/25/2002	7/31/2002	8/18/2002	8/24/2002
Analysis Date:	8/1/2002	8/6/2002	8/9/2002	8/14/2002	8/31/2002	9/4/2002	9/18/2002
Filename:	L2G%009	L2HE020	L2HI007	L2HM019	L2HS014	L2IC021	L2IQ020
Ethylene	2.16	3.01	2.46	3.72	4.96	2.53	1.71
Acetylene	0.82	1.35	0.86	1.63	2.19	0.81	0.85
Ethane	3.06	4.25	7.00	4.78	4.06	4.27	3.64
Propylene	1.05	1.78	1.63	2.18	3.87	2.24	1.08
Propane	2.48	4.46	5.48	4.72	4.80	5.35	4.64
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	1.01	1.58	1.48	1.64	1.38	1.00	0.90
Isobutene/1-Butene	1.90	2.37	2.75	2.85	7.47	2.94	1.44
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND
n-Butane	1.91	3.39	2.97	3.34	3.10	2.11	1.86
trans-2-Butene	0.44	0.75	0.69	0.74	0.66	0.47	0.41
cis-2-Butene	0.59	0.92	1.05	1.06	0.99	0.70	0.54
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	NR	NR	NR	NR	NR	2.51	2.94
1-Pentene	0.50	0.77	0.79	0.86	1.04	0.67	ND
2-Methyl-1-butene	0.20	U	ND	0.45	0.72	0.71	ND
n-Pentane	2.06	2.96	2.44	3.32	2.46	1.63	1.46
Isoprene	4.36	5.45	4.49	2.11	3.22	2.43	3.45
trans-2-Pentene	0.60	0.93	0.78	0.90	0.93	0.56	0.42
cis-2-Pentene	0.60	0.96	0.96	1.06	0.79	0.50	0.47
2-Methyl-2-butene	0.21	U	0.39	ND	0.49	ND	ND
2,2-Dimethylbutane	0.97	1.76	1.52	1.80	1.53	0.90	0.85
Cyclopentene	ND	ND	ND	ND	ND	ND	0.25
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.63	1.02	0.96	0.96	0.84	0.53	0.52
2,3-Dimethylbutane	1.42	2.30	1.96	2.37	2.06	0.92	0.82
2-Methylpentane	4.80	5.09	6.27	8.01	10.72	1.81	2.93
3-Methylpentane	1.94	2.44	2.44	4.39	3.94	1.05	1.12
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	1.00	1.44	1.67	1.49	1.36	0.91	0.69
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	1.47	1.97	1.77	1.72	1.51	0.80	0.69
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.81	1.13	0.93	1.30	1.58	0.62	0.60
2,4-Dimethylpentane	0.76	1.36	1.11	1.39	1.07	0.76	0.70
Benzene	1.43	1.85	1.81	2.01	1.65	1.41	1.20
Cyclohexane	0.95	1.28	1.28	1.37	1.27	0.71	0.68
2-Methylhexane	1.47	2.04	2.07	2.30	1.33	1.22	0.64
2,3-Dimethylpentane	1.42	2.13	1.90	2.22	1.55	0.95	0.98
3-Methylhexane	1.23	1.95	1.83	1.93	1.82	0.70	0.59
1-Heptene	ND	ND	ND	ND	0.80	0.63	ND
2,2,4-Trimethylpentane	0.99	1.60	1.21	1.97	1.11	0.89	0.84
n-Heptane	NR	NR	NR	NR	NR	0.54	0.42
Methylcyclohexane	0.78	1.30	1.32	1.66	0.96	0.65	0.89
2,2,3-Trimethylpentane	ND	0.29	ND	ND	0.39	ND	ND
2,3,4-Trimethylpentane	0.60	0.90	0.74	0.92	1.48	0.44	0.41
Toluene	NR	NR	NR	NR	NR	2.65	1.81
2-Methylheptane	0.42	0.74	0.59	0.64	0.52	0.26	0.31
3-Methylheptane	0.43	0.74	0.74	0.73	0.55	0.41	0.36
1-Octene	ND	ND	ND	ND	0.69	0.29	0.19
n-Octane	0.57	0.72	0.79	0.80	0.88	0.47	0.40
Ethylbenzene	NR	NR	NR	NR	NR	0.73	0.47
m-Xylene/p-Xylene	NR	NR	NR	NR	NR	3.54	0.74
Styrene	NR	NR	NR	NR	NR	5.59	0.77
o-Xylene	NR	NR	NR	NR	NR	0.61	0.44
1-Nonene	0.44	ND	ND	ND	ND	ND	ND
n-Nonane	0.38	0.87	0.56	0.71	0.81	0.38	0.37
Isopropylbenzene	NR	NR	NR	NR	NR	1.52	0.58
a-Pinene	0.90	1.36	1.70	1.52	8.82	1.25	0.49
n-Propylbenzene	NR	NR	NR	NR	NR	0.41	0.27
m-Ethyltoluene	NR	NR	NR	NR	NR	0.50	0.28
p-Ethyltoluene	NR	NR	NR	NR	NR	0.41	0.30
1,3,5-Trimethylbenzene	NR	NR	NR	NR	NR	0.43	0.33
o-Ethyltoluene	NR	NR	NR	NR	NR	0.45	0.40
b-Pinene	1.95	2.39	3.91	3.74	6.55	1.01	1.39
1,2,4-Trimethylbenzene	NR	NR	NR	NR	NR	1.32	0.59
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	1.26	1.53	1.53	1.74	1.57	0.66	0.41
1,2,3-Trimethylbenzene	NR	NR	NR	NR	NR	0.40	0.31
m-Diethylbenzene	NR	NR	NR	NR	NR	1.38	ND
p-Diethylbenzene	NR	NR	NR	NR	NR	0.18	ND
1-Undecene	ND	ND	ND	ND	ND	0.51	ND
n-Undecane	1.87	1.10	1.24	1.40	1.20	0.74	0.40
1-Dodecene	NR	NR	NR	NR	NR	0.25	0.28
n-Dodecane	1.31	0.77	1.08	ND	1.10	0.55	0.48
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	ND	ND	ND	ND
TNMOC (speciated)	NR	NR	NR	NR	NR	74.75	53.97
TNMOC (w/ unknowns)	NR	NR	NR	NR	NR	117.14	83.42

NR Not reportable due to sampler contamination.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Cedar Rapids, Iowa Site 2 (C2IA) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	C2IA 29589	C2IA 29706	C2IA 29851 D1	C2IA 29851 R1	C2IA 29853 D2	C2IA 29853 R2	C2IA 29928
Sampling Date:	8/30/2002	9/5/2002	9/11/2002	9/11/2002	9/11/2002	9/11/2002	9/17/2002
Analysis Date:	9/23/2002	9/26/2002	10/11/2002	10/15/2002	10/11/2002	10/15/2002	10/16/2002
Filename:	L2IW007	L2IY020	L2JJ013	L2JO005	L2JJ014	L2JO006	L2JO019
Ethylene	3.18	4.30	2.34	2.45	3.43	3.27	3.99
Acetylene	1.49	1.99	1.08	1.11	2.17	2.10	2.88
Ethane	5.16	5.39	4.13	4.19	5.15	5.07	7.29
Propylene	1.25	1.36	1.28	1.16	1.73	1.57	1.82
Propane	5.69	7.45	4.42	3.92	5.70	5.19	7.63
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	1.71	1.43	1.39	1.31	11.01	10.03	4.98
Isobutene/1-Butene	1.55	1.34	1.18	1.15	1.85	1.75	2.20
1,3-Butadiene	ND	ND	ND	ND	ND	0.19	0.26
n-Butane	3.47	2.99	3.22	3.06	7.32	6.74	6.13
trans-2-Butene	0.39	0.36	0.44	0.40	0.47	0.44	0.48
cis-2-Butene	0.47	0.42	0.55	0.55	0.62	0.54	0.64
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	6.56	5.71	5.51	5.44	14.57	13.57	17.62
1-Pentene	0.56	ND	0.52	ND	0.73	ND	1.15
2-Methyl-1-butene	0.30	0.20	0.24	0.23	0.39	0.34	0.43
n-Pentane	2.76	2.18	4.77	4.39	5.96	5.44	6.46
Isoprene	3.78	2.63	2.41	2.21	4.66	3.48	2.06
trans-2-Pentene	0.51	0.45	0.48	0.42	0.55	0.62	0.87
cis-2-Pentene	0.44	0.46	0.54	0.45	0.55	0.51	0.69
2-Methyl-2-butene	0.27	ND	0.27	0.23	0.37	0.39	0.50
2,2-Dimethylbutane	0.93	1.19	0.84	0.82	0.95	0.87	1.32
Cyclopentene	0.82	ND	ND	ND	ND	0.39	0.78
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.66	0.54	0.65	0.56	0.62	0.66	1.06
2,3-Dimethylbutane	1.06	1.39	1.03	0.87	1.05	1.04	1.90
2-Methylpentane	2.99	5.18	1.50	1.33	2.09	1.94	7.44
3-Methylpentane	1.62	3.13	1.37	1.33	4.77	3.20	5.46
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.76	0.61	0.72	0.50	0.63	0.54	0.74
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	1.25	1.15	1.33	1.23	0.23	1.58	2.35
trans-2-Hexene	ND	ND	ND	ND	ND	ND	0.71
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.87	0.69	0.91	0.99	1.42	1.38	1.51
2,4-Dimethylpentane	0.74	0.68	0.69	0.61	0.78	0.72	0.87
Benzene	1.70	1.98	1.50	1.24	1.94	1.75	3.15
Cyclohexane	0.29	1.39	1.23	0.33	1.65	1.31	3.14
2-Methylhexane	0.67	0.91	1.17	0.42	0.72	0.57	1.66
2,3-Dimethylpentane	1.00	1.11	1.11	0.68	0.81	0.87	1.51
3-Methylhexane	1.45	1.47	1.47	1.01	1.72	1.33	1.09
1-Heptene	ND	ND	ND	ND	0.30	ND	0.21
2,2,4-Trimethylpentane	1.27	1.12	1.21	1.03	0.99	1.55	1.40
n-Heptane	0.63	0.51	0.56	0.54	0.87	0.82	0.98
Methylcyclohexane	0.67	0.72	0.63	0.57	0.81	0.83	0.88
2,2,3-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND
2,3,4-Trimethylpentane	0.39	0.47	0.53	0.48	0.62	0.66	0.79
Toluene	3.52	3.69	3.56	3.54	11.68	10.99	34.51
2-Methylheptane	0.37	0.42	0.49	0.45	0.71	0.68	0.71
3-Methylheptane	0.47	0.47	0.28	0.52	0.58	0.35	0.71
1-Octene	ND	ND	ND	ND	0.39	0.39	0.34
n-Octane	0.47	0.50	0.65	0.69	1.12	1.01	1.23
Ethylbenzene	0.83	0.73	0.67	0.60	1.97	1.89	1.84
m-Xylene/p-Xylene	1.25	1.51	1.49	1.30	4.58	4.03	2.98
Styrene	1.68	0.35	0.39	0.32	1.11	0.88	0.94
o-Xylene	0.64	0.72	1.37	0.54	1.84	1.68	1.31
1-Nonene	ND	ND	ND	ND	0.28	0.25	0.19
n-Nonane	0.39	0.48	0.63	0.55	1.27	1.05	0.99
Isopropylbenzene	0.41	0.53	0.45	0.39	0.65	0.63	0.61
a-Pinene	0.39	0.51	0.45	0.42	2.15	1.94	0.80
n-Propylbenzene	0.19	0.30	0.48	0.29	1.36	1.22	0.40
m-Ethyltoluene	0.42	0.57	0.65	0.55	3.70	3.02	0.96
p-Ethyltoluene	0.31	0.40	0.50	0.49	1.98	1.57	0.64
1,3,5-Trimethylbenzene	0.36	0.50	0.47	0.55	2.74	2.27	0.79
o-Ethyltoluene	ND	0.55	0.57	0.48	2.47	2.19	0.73
b-Pinene	0.71	0.57	1.57	1.38	1.36	0.85	0.86
1,2,4-Trimethylbenzene	0.78	0.84	0.99	0.84	6.33	5.34	1.53
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.56	0.76	0.85	0.94	11.66	10.52	4.35
1,2,3-Trimethylbenzene	1.11	0.37	0.47	ND	1.30	0.89	0.38
m-Diethylbenzene	0.50	0.37	0.22	0.25	0.39	0.43	0.33
p-Diethylbenzene	ND	ND	ND	0.16	0.48	0.37	0.19
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.54	1.16	1.34	1.26	41.48	35.23	13.71
1-Dodecene	ND	ND	0.58	ND	ND	ND	ND
n-Dodecane	0.57	0.74	1.22	1.34	32.45	28.66	11.13
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	ND	3.00	ND	1.19
TNMOC (speciated)	75.77	79.88	73.54	65.02	229.18	201.53	191.34
TNMOC (w/ unknowns)	109.37	110.20	119.67	115.52	288.60	262.60	238.36

NR Not reportable due to sampler contamination.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Cedar Rapids, Iowa Site 2 (C2IA) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	C2IA 29966	C2IA 30081	C2IA 30093	C2IA 30193	C2IA 30256	C2IA 30347 D1	C2IA 30347 R1	
Sampling Date:	9/23/2002	9/29/2002	10/5/2002	10/11/2002	10/17/2002	10/23/2002	10/23/2002	
Analysis Date:	10/17/2002	10/18/2002	10/22/2002	10/25/2002	10/25/2002	11/23/2002	11/27/2002	
Filename:	L2JQ008	L2JQ015	L2JV013	L2JX015	L2JX020	L2KV022	L2KZ018	
Ethylene	3.11	3.15	2.08	4.28	3.23	1.28	2.55	
Acetylene	1.52	1.37	1.09	2.10	4.02	0.83	1.52	
Ethane	5.61	7.76	5.29	8.71	8.40	3.52	6.15	
Propylene	1.50	1.68	1.01	1.69	1.80	0.51	1.11	
Propane	8.31	7.49	4.62	8.82	12.72	2.26	5.02	
Propyne	ND	ND	ND	ND	ND	ND	ND	
Isobutane	1.76	1.96	1.01	2.26	171.61	0.39	1.21	
Isobutene/1-Butene	1.59	2.55	1.40	2.03	1.78	0.33	1.14	
1,3-Butadiene	0.23	U	ND	ND	ND	ND	ND	
n-Butane	3.41	4.62	2.20	6.28	92.95	1.03	3.10	
trans-2-Butene	0.42	0.38	0.34	0.41	0.37	ND	0.39	
cis-2-Butene	0.55	0.50	0.43	0.56	0.63	ND	0.56	
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND	
Isopentane	5.31	5.90	2.97	7.21	97.88	0.99	2.61	
1-Pentene	ND	ND	0.30	ND	0.23	ND	0.39	
2-Methyl-1-butene	0.28	0.31	ND	0.29	0.33	ND	ND	
n-Pentane	2.06	2.19	1.47	2.78	14.89	0.38	1.03	
Isoprene	0.81	1.05	0.36	0.69	1.24	ND	0.34	
trans-2-Pentene	0.57	0.47	0.32	0.47	0.80	ND	0.48	
cis-2-Pentene	0.50	0.47	0.43	0.51	0.80	ND	0.52	
2-Methyl-2-butene	0.39	0.25	ND	0.30	0.43	ND	ND	
2,2-Dimethylbutane	0.99	0.90	0.67	1.41	1.73	ND	ND	
Cyclopentene	ND	0.37	ND	0.31	ND	ND	ND	
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND	
Cyclopentane	0.87	0.50	0.56	0.72	1.35	ND	0.60	
2,3-Dimethylbutane	1.72	1.04	0.91	2.42	1.64	0.23	0.89	
2-Methylpentane	6.48	1.83	2.12	12.03	2.45	0.39	0.89	
3-Methylpentane	4.94	2.55	2.12	8.85	3.57	0.35	0.90	
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND	
1-Hexene	0.67	0.65	0.48	0.58	ND	ND	0.78	
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND	
n-Hexane	1.20	1.20	0.93	1.18	3.11	0.26	0.70	
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND	
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND	
Methylcyclopentane	0.92	0.82	0.61	1.05	1.91	0.17	0.51	
2,4-Dimethylpentane	0.64	0.71	0.51	0.78	0.79	ND	0.64	
Benzene	1.40	1.53	1.18	1.89	5.11	0.73	1.43	
Cyclohexane	1.10	0.76	0.60	0.90	14.14	0.18	0.76	
2-Methylhexane	2.65	1.39	0.63	0.51	6.37	ND	ND	
2,3-Dimethylpentane	1.60	1.20	0.58	1.18	10.67	0.11	U	1.64
3-Methylhexane	0.96	1.41	1.33	0.98	14.80	0.46	0.80	
1-Heptene	0.25	ND	ND	ND	2.36	ND	ND	
2,2,4-Trimethylpentane	1.11	1.15	0.39	1.28	1.24	0.24	0.87	
n-Heptane	3.14	0.61	0.54	0.71	2.70	0.47	0.80	
Methylcyclohexane	1.64	0.53	0.34	0.57	2.88	ND	0.70	
2,2,3-Trimethylpentane	0.52	ND	ND	ND	0.25	ND	ND	
2,3,4-Trimethylpentane	0.58	0.67	0.42	0.52	0.73	ND	0.35	
Toluene	7.63	2.89	3.19	4.70	55.15	1.38	2.66	
2-Methylheptane	1.24	0.85	0.58	0.57	0.72	ND	0.35	
3-Methylheptane	1.27	0.59	0.44	0.47	0.77	ND	0.35	
1-Octene	ND	ND	ND	ND	ND	ND	ND	
n-Octane	3.06	0.61	0.52	0.59	1.21	ND	0.44	
Ethylbenzene	0.87	0.69	0.29	0.65	1.87	ND	0.37	
m-Xylene/p-Xylene	3.11	1.50	0.58	1.48	3.48	0.35	0.97	
Styrene	0.53	0.89	0.73	0.73	0.44	ND	0.24	
o-Xylene	1.05	0.70	0.33	0.76	1.39	0.18	0.54	
1-Nonene	0.20	U	ND	ND	ND	ND	ND	
n-Nonane	1.72	0.52	0.34	0.47	0.93	ND	0.40	
Isopropylbenzene	0.70	0.46	0.33	0.68	0.52	ND	0.61	
a-Pinene	0.46	0.58	0.27	U	1.22	ND	ND	
n-Propylbenzene	0.32	0.37	0.26	U	0.40	ND	0.24	U
m-Ethyltoluene	0.60	0.52	0.28	0.62	0.84	ND	0.44	
p-Ethyltoluene	0.40	0.40	0.44	0.49	0.56	ND	0.28	U
1,3,5-Trimethylbenzene	0.57	0.43	0.27	0.59	0.63	ND	0.29	
o-Ethyltoluene	0.46	0.45	0.42	0.44	0.78	ND	0.32	
b-Pinene	ND	ND	ND	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	0.99	0.77	0.62	0.93	1.13	ND	0.42	
1-Decene	ND	ND	ND	ND	ND	ND	ND	
n-Decane	1.60	1.57	ND	ND	4.32	ND	0.52	
1,2,3-Trimethylbenzene	0.29	0.31	0.26	0.31	0.38	ND	ND	
m-Diethylbenzene	0.21	U	0.84	ND	0.41	0.30	U	ND
p-Diethylbenzene	ND	ND	ND	0.21	ND	ND	ND	
1-Undecene	ND	ND	ND	ND	ND	ND	ND	
n-Undecane	0.65	0.39	0.40	0.39	5.67	0.42	0.52	
1-Dodecene	ND	ND	ND	ND	ND	ND	ND	
n-Dodecane	0.52	U	0.22	U	0.52	U	5.80	ND
1-Tridecene	ND	ND	ND	ND	ND	ND	ND	
n-Tridecane	ND	ND	ND	ND	1.54	ND	ND	
TNMOC (speciated)	99.72	78.48	51.30	103.54	581.97	17.46	51.35	
TNMOC (w/ unknowns)	142.89	125.80	71.36	138.06	643.90	28.55	69.02	

NR Not reportable due to sampler contamination.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Cedar Rapids, Iowa Site 2 (C2IA) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	C2IA 30349 D2	C2IA 30349 R2	C2IA 30454	C2IA 30541	C2IA 30583 D1	C2IA 30583 R1	C2IA 30585 D2
Sampling Date:	10/23/2002	10/23/2002	10/29/2002	11/4/2002	11/10/2002	11/10/2002	11/10/2002
Analysis Date:	11/23/2002	11/30/2002	11/26/2002	12/4/2002	12/14/2002	12/17/2002	12/14/2002
Filename:	L2KV023	L2K#020	L2KZ005	L2LC019	N2LM014	N2LP015	N2LM015
Ethylene	1.27	2.84	3.34	5.02 #	2.38	2.98	2.25
Acetylene	0.92	1.41	1.95	3.20	1.31	1.86	1.31
Ethane	4.02	6.63	8.30	13.35	9.18	10.03	9.08
Propylene	0.53	1.47	1.31	2.07	0.88	1.53	0.77
Propane	2.47	5.32	5.52	12.09	11.53	12.45	11.13
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.60	1.66	1.80	3.35	1.93	2.57	1.94
Isobutene/1-Butene	0.73	1.94	1.01	1.77	2.27	3.11	2.60
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND
n-Butane	1.24	2.98	4.05	7.35	4.49	5.41	4.46
trans-2-Butene	ND	0.68	ND	0.57	0.12 U	0.70	0.11 U
cis-2-Butene	ND	0.71	0.25	0.85	ND	0.94	ND
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	1.12	2.87	4.09	6.04	3.19	4.59	3.49
1-Pentene	ND	0.56	ND	0.82	ND	0.82	ND
2-Methyl-1-butene	ND	ND	ND	0.35	ND	0.12 U	ND
n-Pentane	0.41	1.32	1.31	3.01	1.89	2.44	1.84
Isoprene	ND	0.49	ND	0.46	0.14	1.07	0.14
trans-2-Pentene	ND	0.57	ND	0.78	0.14 U	0.74	0.20
cis-2-Pentene	ND	0.66	0.31	0.68	0.20 U	1.17	0.16 U
2-Methyl-2-butene	ND	ND	ND	0.30	ND	ND	ND
2,2-Dimethylbutane	ND	ND	ND	1.28	0.27	1.32	0.27
Cyclopentene	ND	ND	ND	0.23 U	ND	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	ND	0.61	ND	0.88	0.21	0.79	0.21
2,3-Dimethylbutane	0.17	1.47	1.31	1.67	0.36	1.79	0.42
2-Methylpentane	0.32	0.90	1.03	2.92	0.85	1.31	0.87
3-Methylpentane	0.29	1.20	0.93	2.32	2.34	1.49	0.91
2-Methyl-1-pentene	ND	ND	ND	ND	0.63	ND	ND
1-Hexene	ND	1.15	0.29	0.99	1.58	3.20	1.25
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.25	0.92	0.87	1.82	0.85	1.72	0.93
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.20	0.87	0.72	1.27	0.49	1.21	0.51
2,4-Dimethylpentane	ND	1.04	0.52	1.05	0.25	1.24	0.25
Benzene	0.95	1.41	1.33	3.03	1.50	2.37	1.43
Cyclohexane	ND	1.32	0.60	1.95	0.33	1.35	0.31
2-Methylhexane	ND	ND	ND	0.50	0.49	1.46	0.11 U
2,3-Dimethylpentane	ND	2.15	1.31	1.87	0.60	1.75	0.23 U
3-Methylhexane	ND	1.24	1.03	0.88	1.00	1.80	0.68
1-Heptene	ND	ND	ND	ND	0.16 U	0.18 U	0.22 U
2,2,4-Trimethylpentane	0.30	1.18	1.05	1.80	0.38	1.25	0.41
n-Heptane	0.40	0.68	0.61	1.00	0.44	1.12	0.40
Methylcyclohexane	ND	0.91	0.63	1.11	0.26	1.13	0.24
2,2,3-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND
2,3,4-Trimethylpentane	ND	0.78	0.54	0.71	0.29	0.86	0.19 U
Toluene	1.92	3.14	4.73	4.44	1.45	2.83	1.40
2-Methylheptane	ND	0.61	0.28	0.69	ND	0.81	0.16 U
3-Methylheptane	ND	0.66	0.47	0.61	0.71	1.44	0.14 U
1-Octene	ND	ND	ND	ND	ND	ND	ND
n-Octane	0.17	0.91	0.63	0.83	0.30	1.06	0.37
Ethylbenzene	ND	0.66	1.45	1.42	0.38	0.82	0.23
m-Xylene/p-Xylene	0.33	1.33	3.62	2.28	1.49	2.39	0.77
Styrene	ND	ND	0.99	0.29	0.28	1.07	0.25
o-Xylene	ND	0.89	1.53	1.00	0.25	1.09	0.33
1-Nonene	ND	ND	ND	0.31 U	0.14 U	ND	0.12 U
n-Nonane	ND	0.85	1.54	0.69	0.19	0.82	0.24
Isopropylbenzene	ND	1.00	0.39	0.60	ND	0.86	ND
a-Pinene	ND	ND	0.47	ND	ND	ND	ND
n-Propylbenzene	ND	0.63	0.37	0.45	0.18 U	0.91	0.21 U
m-Ethyltoluene	ND	0.67	1.20	0.78	0.28	0.87	0.32
p-Ethyltoluene	ND	0.77	1.07	0.82	0.23 U	0.99	0.23 U
1,3,5-Trimethylbenzene	ND	0.60	1.35	0.55	0.19 U	0.64	0.15 U
o-Ethyltoluene	ND	0.69	1.34	0.57	0.19 U	0.86	0.16 U
b-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.18	0.95	1.72	1.20	0.50	1.36	0.49
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	ND	0.93	3.30	1.05	0.35	0.86	0.33
1,2,3-Trimethylbenzene	0.25	0.47	1.75	0.41	0.14	0.56	0.12 U
m-Diethylbenzene	ND	0.54	ND	0.36	0.12 U	0.70	0.14 U
p-Diethylbenzene	ND	ND	ND	0.22	0.11 U	0.39	ND
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	ND	0.59	1.47	1.39	0.39	0.60	0.46
1-Dodecene	ND	ND	ND	ND	ND	ND	ND
n-Dodecane	ND	0.42 U	1.92	1.43	0.16 U	0.23 U	0.15 U
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	ND	ND	ND	ND
TNMOC (speciated)	19.03	67.24	77.56	111.72	60.91	102.02	56.06
TNMOC (w/ unknowns)	32.94	99.93	125.15	143.87	144.15	180.85	138.40

NR Not reportable due to sampler contamination.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Cedar Rapids, Iowa Site 2 (C2IA) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	C2IA 30585 R2	C2IA 30759	C2IA 30817	C2IA 30877	C2IA 30932	C2IA 31026	C2IA 31130
Sampling Date:	11/10/2002	11/16/2002	11/22/2002	11/28/2003	12/4/2002	12/10/2002	12/16/2002
Analysis Date:	12/17/2002	12/16/2002	12/18/2002	12/19/2002	12/23/2002	1/8/2003	1/11/2003
Filename:	N2LP016	N2L0016	N2LQ016	N2LR019	N2LW007	L3AH006	N3AJ013
Ethylene	2.83	3.20	2.24	1.82	5.10	6.40	3.77
Acetylene	1.73	0.59	1.34	1.96	2.28	4.05	1.34
Ethane	9.73	5.00	4.61	6.31	6.45	9.94	6.28
Propylene	1.37	1.37	0.67	0.62	1.25	2.48	2.04
Propane	12.25	5.20	4.38	6.88	5.77	10.16	5.63
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	2.54	0.94	1.03	1.50	2.78	2.40	1.68
Isobutene/1-Butene	3.44	1.46	1.48	0.86	1.03	7.06	6.25
1,3-Butadiene	ND	ND	0.09	ND	0.13	0.26	ND
n-Butane	5.41	2.91	3.07	4.62	3.97	8.53	4.28
trans-2-Butene	0.71	0.14	U	ND	ND	0.25	0.14
cis-2-Butene	0.86	0.12	U	ND	ND	0.51	0.21
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	5.38	2.64	2.99	2.64	2.54	5.66	2.64
1-Pentene	0.78	0.20	U	0.19	U	0.49	0.29
2-Methyl-1-butene	ND	0.13	U	0.14	U	0.71	0.50
n-Pentane	2.37	1.14	1.04	1.46	1.26	2.72	1.35
Isoprene	0.96	0.16	ND	ND	ND	0.51	ND
trans-2-Pentene	0.88	0.16	0.09	U	0.09	U	0.32
cis-2-Pentene	0.99	0.19	U	0.09	U	ND	ND
2-Methyl-2-butene	ND	0.11	U	0.12	U	0.32	ND
2,2-Dimethylbutane	1.29	0.22	0.10	U	0.11	0.32	0.43
Cyclopentene	ND	0.13	U	ND	0.16	U	0.32
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.74	0.20	ND	0.09	U	0.13	0.58
2,3-Dimethylbutane	1.91	0.36	0.27	0.22	0.40	0.69	0.30
2-Methylpentane	1.39	0.62	1.13	0.73	0.88	3.81	7.09
3-Methylpentane	1.86	0.38	1.16	0.63	0.51	6.29	3.08
2-Methyl-1-pentene	ND	ND	ND	ND	ND	0.31	ND
1-Hexene	2.31	1.97	0.12	U	ND	0.16	U
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	1.57	0.46	1.64	0.78	0.87	2.77	1.20
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	0.37
Methylcyclopentane	1.17	0.37	0.61	0.31	0.38	1.26	2.90
2,4-Dimethylpentane	1.30	0.21	U	0.09	U	0.19	U
Benzene	2.15	1.71	1.40	1.21	1.89	2.81	1.26
Cyclohexane	1.40	0.28	0.13	U	0.15	0.16	0.29
2-Methylhexane	1.49	0.32	0.47	0.62	0.81	1.82	10.01
2,3-Dimethylpentane	1.86	0.34	0.17	U	0.18	U	0.51
3-Methylhexane	1.58	0.46	0.42	0.24	0.38	11.56	25.05
1-Heptene	0.32	0.31	0.16	U	0.09	U	0.14
2,2,4-Trimethylpentane	1.19	0.55	0.36	0.37	0.57	1.65	1.31
n-Heptane	1.07	0.35	0.33	0.30	0.43	1.58	0.29
Methylcyclohexane	1.12	0.17	0.16	0.13	U	0.26	2.01
2,2,3-Trimethylpentane	ND	ND	ND	0.11	U	ND	0.34
2,3,4-Trimethylpentane	0.85	0.23	0.08	U	0.17	U	0.30
Toluene	2.89	1.69	1.68	1.68	2.75	4.99	0.78
2-Methylheptane	0.81	0.15	U	0.08	U	0.14	U
3-Methylheptane	0.83	1.20	0.34	0.10	U	0.14	U
1-Octene	ND	ND	ND	0.12	U	ND	ND
n-Octane	1.14	0.38	0.19	0.22	0.24	0.57	0.56
Ethylbenzene	0.83	0.37	0.28	0.26	0.48	0.95	0.15
m-Xylene/p-Xylene	1.68	1.09	0.83	0.73	1.38	3.35	2.70
Styrene	0.83	0.14	0.09	0.08	0.17	ND	12.78
o-Xylene	0.86	0.35	0.33	0.27	0.84	0.73	0.34
1-Nonene	0.13	U	0.17	U	0.13	U	0.30
n-Nonane	0.79	0.27	0.18	0.13	U	0.20	0.38
Isopropylbenzene	0.94	ND	ND	ND	ND	ND	0.40
a-Pinene	ND	ND	ND	ND	ND	6.01	ND
n-Propylbenzene	0.87	0.30	0.13	U	ND	0.13	U
m-Ethyltoluene	0.84	0.38	0.34	0.23	0.34	0.60	0.34
p-Ethyltoluene	1.03	0.55	0.15	U	0.10	U	0.17
1,3,5-Trimethylbenzene	0.62	0.16	U	0.09	U	0.16	U
o-Ethyltoluene	0.81	0.28	U	0.07	U	0.12	U
b-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	1.23	0.90	0.50	0.27	1.05	1.00	0.71
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.84	0.29	0.18	U	0.15	U	0.21
1,2,3-Trimethylbenzene	0.58	0.17	ND	ND	0.12	U	0.29
m-Diethylbenzene	0.75	0.12	U	ND	ND	ND	ND
p-Diethylbenzene	0.46	ND	ND	ND	ND	ND	ND
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.75	0.42	0.20	U	0.15	U	0.46
1-Dodecene	ND	ND	ND	ND	ND	0.40	U
n-Dodecane	0.20	U	0.41	U	0.10	U	0.36
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	ND	ND	ND	ND
TNMOC (speciated)	99.50	45.07	38.02	40.30	52.05	131.05	117.42
TNMOC (w/ unknowns)	169.90	146.00	110.46	58.23	81.20	309.52	374.99

NR Not reportable due to sampler contamination.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Cedar Rapids, Iowa Site 2 (C2IA) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	C2IA 31314	C2IA 31407
Sampling Date:	12/22/2002	12/28/2002
Analysis Date:	1/13/2003	1/14/2003
Filename:	L3AM009	L2AM016
Ethylene	1.18	3.40
Acetylene	1.04	4.14
Ethane	7.16	22.69
Propylene	0.69	1.25
Propane	6.61	19.89
Propyne	ND	ND
Isobutane	1.28	25.38
Isobutene/1-Butene	1.02	1.20
1,3-Butadiene	ND	ND
n-Butane	2.87	14.03
trans-2-Butene	ND	ND
cis-2-Butene	ND	ND
3-Methyl-1-butene	ND	ND
Isopentane	2.28	9.42
1-Pentene	ND	0.16 U
2-Methyl-1-butene	ND	0.23 U
n-Pentane	1.12	5.56
Isoprene	ND	0.21
trans-2-Pentene	ND	0.22
cis-2-Pentene	ND	ND
2-Methyl-2-butene	ND	0.32
2,2-Dimethylbutane	ND	0.39
Cyclopentene	ND	ND
4-Methyl-1-pentene	ND	ND
Cyclopentane	0.32	0.72
2,3-Dimethylbutane	ND	0.66
2-Methylpentane	0.41	3.54
3-Methylpentane	1.18	3.14
2-Methyl-1-pentene	ND	ND
1-Hexene	ND	ND
2-Ethyl-1-butene	ND	ND
n-Hexane	0.54	4.30
trans-2-Hexene	ND	ND
cis-2-Hexene	ND	ND
Methylcyclopentane	0.23	1.60
2,4-Dimethylpentane	ND	0.27
Benzene	1.04	5.16
Cyclohexane	0.40	5.56
2-Methylhexane	ND	0.67
2,3-Dimethylpentane	ND	0.65
3-Methylhexane	0.71	1.09
1-Heptene	ND	0.27
2,2,4-Trimethylpentane	ND	0.66
n-Heptane	0.27	0.96
Methylcyclohexane	ND	1.00
2,2,3-Trimethylpentane	ND	ND
2,3,4-Trimethylpentane	ND	0.33
Toluene	0.88	6.28
2-Methylheptane	ND	0.19 U
3-Methylheptane	ND	ND
1-Octene	ND	ND
n-Octane	ND	0.40
Ethylbenzene	0.23	1.99
m-Xylene/p-Xylene	0.39	4.73
Styrene	ND	0.23
o-Xylene	ND	2.55
1-Nonene	ND	ND
n-Nonane	ND	0.31
Isopropylbenzene	ND	ND
a-Pinene	ND	ND
n-Propylbenzene	ND	0.20 U
m-Ethyltoluene	ND	0.44
p-Ethyltoluene	ND	0.20 U
1,3,5-Trimethylbenzene	ND	0.25
o-Ethyltoluene	ND	0.20 U
b-Pinene	ND	ND
1,2,4-Trimethylbenzene	ND	0.55
1-Decene	ND	ND
n-Decane	ND	0.60
1,2,3-Trimethylbenzene	ND	ND
m-Diethylbenzene	ND	ND
p-Diethylbenzene	ND	ND
1-Undecene	ND	ND
n-Undecane	ND	0.48
1-Dodecene	ND	ND
n-Dodecane	ND	0.31 U
1-Tridecene	ND	ND
n-Tridecane	ND	ND
TNMOC (speciated)	31.83	158.93
TNMOC (w/ unknowns)	69.29	202.87

NR Not reportable due to sampler contamination.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Cedar Rapids, Iowa Site 2 (C2IA) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbV)

Sample No.:	C2IA 24867	C2IA 25116	C2IA 25231	C2IA 25426 D1	C2IA 25426 R1	C2IA 25428 D2	C2IA 25428 R2				
Sampling Date:	1/2/2002	1/14/2002	1/20/2002	1/26/2002	1/26/2002	1/26/2002	1/26/2002				
Analysis Date:	1/25/2002	1/26/2002	1/29/2002	2/26/2002	2/27/2002	2/26/2002	2/27/2002				
Filename:	L2AX-017	L2AY016	L2A#005	L2BZ009	L2B-004	L2BZ010	L2B-005				
Ethylene	1.77	1.03	1.48	2.34	2.30	2.13	2.15				
Acetylene	1.04	0.77	1.06	1.58	1.46	1.39	1.38				
Ethane	3.06	3.47	5.92	8.24	8.27	7.43	7.57				
Propylene	0.48	0.38	0.47	1.00	0.99	0.90	0.88				
Propane	1.90	1.93	2.43	5.21	5.25	4.55	4.64				
Propyne	ND	ND	ND	ND	ND	ND	ND				
Isobutane	0.38	0.42	0.50	1.06	1.13	0.90	0.92				
Isobutene/1-Butene	0.19	0.24	0.20	0.37	0.39	0.33	0.36				
1,3-Butadiene	ND	ND	ND	0.07	0.07	0.07	0.07				
n-Butane	1.06	0.96	1.27	2.53	2.67	2.18	2.29				
trans-2-Butene	0.06	0.05	0.06	0.09	0.09	0.08	0.07				
cis-2-Butene	0.09	0.07	0.09	0.11	0.13	0.11	0.11				
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND				
Isopentane	0.61	0.62	0.77	1.18	1.21	1.08	1.06				
1-Pentene	0.05	0.04	0.05	0.08	0.09	0.08	0.08				
2-Methyl-1-butene	0.30	ND	ND	0.05	U	ND	0.04	U			
n-Pentane	0.30	0.44	0.58	1.94	1.93	2.00	2.07				
Isoprene	0.06	0.05	0.06	0.08	0.10	0.08	0.07				
trans-2-Pentene	0.05	0.04	0.05	0.08	0.08	0.07	0.07				
cis-2-Pentene	0.06	0.06	0.06	0.08	0.08	0.07	0.07				
2-Methyl-2-butene	0.03	U	ND	0.06	0.08	0.09	0.10				
2,2-Dimethylbutane	0.08	0.11	0.14	0.22	0.23	0.21	0.23				
Cyclopentene	0.06	ND	ND	0.04	U	0.04	U	ND	0.03	U	
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND	ND			
Cyclopentane	0.03	0.09	0.09	0.12	0.12	0.11	0.13				
2,3-Dimethylbutane	0.10	0.13	0.20	0.32	0.33	0.31	0.32				
2-Methylpentane	0.21	0.45	0.85	1.56	1.57	1.59	1.64				
3-Methylpentane	0.14	0.21	0.41	0.74	0.74	0.69	0.74				
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND				
1-Hexene	0.09	0.08	0.07	0.11	0.12	0.11	0.11				
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND				
n-Hexane	0.16	0.14	0.18	0.39	0.39	0.34	0.35				
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND				
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND				
Methylcyclopentane	0.09	0.09	0.09	0.21	0.22	0.21	0.21				
2,4-Dimethylpentane	0.06	0.06	0.06	0.12	0.13	0.10	0.11				
Benzene	0.29	0.20	0.24	0.42	0.42	0.36	0.38				
Cyclohexane	0.09	0.09	0.10	0.21	0.20	0.21	0.19				
2-Methylhexane	0.18	0.15	0.15	0.25	0.24	0.25	0.24				
2,3-Dimethylpentane	0.13	0.13	0.13	0.19	0.20	0.18	0.18				
3-Methylhexane	0.12	0.07	0.12	0.14	0.14	0.13	0.13				
1-Heptene	ND	ND	ND	ND	ND	ND	ND				
2,2,4-Trimethylpentane	0.09	0.06	0.08	0.24	0.25	0.22	0.22				
n-Heptane	0.06	0.05	0.06	0.14	0.14	0.13	0.13				
Methylcyclohexane	0.07	0.07	0.07	0.15	0.16	0.15	0.13				
2,2,3-Trimethylpentane	ND	ND	ND	0.03	0.03	U	ND	0.02	U		
2,3,4-Trimethylpentane	0.02	U	0.03	0.04	0.08	0.08	0.07	0.07			
Toluene	0.28	0.20	0.26	0.52	0.57	0.49	0.53				
2-Methylheptane	0.04	0.03	0.03	U	0.04	0.03	0.04	0.03			
3-Methylheptane	0.03	0.02	0.03	0.05	0.04	0.04	0.04				
1-Octene	0.03	ND	ND	ND	ND	ND	0.02	U			
n-Octane	0.07	0.04	0.04	0.07	0.07	0.07	0.06				
Ethylbenzene	0.06	0.04	0.05	0.07	0.08	0.06	0.07				
m-Xylene/p-Xylene	0.23	0.13	0.13	0.24	0.30	0.13	0.17				
Styrene	ND	ND	ND	0.02	0.04	0.07	0.08				
o-Xylene	0.09	0.08	0.05	0.12	0.13	0.11	0.13				
1-Nonene	ND	ND	ND	ND	ND	ND	ND				
n-Nonane	0.04	0.03	0.03	0.04	0.04	0.04	0.04				
Isopropylbenzene	ND	0.03	U	0.03	U	0.03	U	0.02	U		
a-Pinene	ND	ND	ND	0.02	U	0.03	U	0.01	U		
n-Propylbenzene	0.02	U	0.02	U	0.02	U	0.03	U	0.02	U	
m-Ethyltoluene	0.04	0.04	0.03	0.04	0.04	0.03	0.04				
p-Ethyltoluene	0.03	U	0.03	U	0.03	U	0.03	U	0.04	U	
1,3,5-Trimethylbenzene	0.02	U	ND	0.02	U	0.04	U	0.03	U	0.03	U
o-Ethyltoluene	0.03	U	ND	0.02	U	0.02	U	0.02	U	0.02	U
b-Pinene	ND	ND	ND	ND	ND	ND	ND	ND			
1,2,4-Trimethylbenzene	0.05	0.05	0.04	0.07	0.07	0.06	0.06				
1-Decene	ND	ND	ND	ND	ND	ND	ND				
n-Decane	0.03	0.04	0.04	0.06	0.05	0.04	0.05				
1,2,3-Trimethylbenzene	0.50	0.02	0.02	0.02	0.02	0.02	0.02				
m-Diethylbenzene	ND	0.02	U	ND	0.03	U	0.03	U	0.04	0.05	
p-Diethylbenzene	0.02	0.03	ND	0.02	0.02	0.02	0.02				
1-Undecene	ND	ND	ND	ND	ND	ND	ND				
n-Undecane	0.03	0.14	0.09	0.12	0.12	0.11	0.09				
1-Dodecene	ND	ND	ND	ND	ND	ND	ND				
n-Dodecane	0.02	U	0.12	0.05	U	0.10	0.08	0.08			
1-Tridecene	ND	ND	ND	ND	ND	ND	ND				
n-Tridecane	ND	ND	ND	0.02	U	0.02	U	0.01	U		
TNMOC (speciated) in ppbv	15.22	13.91	19.14	33.64	34.01	30.52	31.35				
TNMOC (w/ unknowns) in ppbC	88.69	93.57	105.09	191.05	194.17	178.34	186.39				

NR Not reportable due to sampler contamination.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Cedar Rapids, Iowa Site 2 (C2IA) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ppbV)

Sample No.:	C2IA 25531	C2IA 25634	C2IA 25725	C2IA 25867	C2IA 25985 D1	C2IA 25985 R1	C2IA 25987 D2
Sampling Date:	2/1/2002	2/7/2002	2/13/2002	2/19/2002	2/25/2002	2/25/2002	2/25/2002
Analysis Date:	2/27/2002	2/28/2002	3/1/2002	3/5/2002	3/6/2002	3/6/2002	3/6/2002
Filename:	L2BZ025	L2B1008	L2B1013	L2CE010	L2CE019	L2CF006	L2CE020
Ethylene	1.41	1.71	1.20	1.97	0.98	1.02	0.87
Acetylene	1.06	0.97	0.91	1.31	0.85	0.87	0.75
Ethane	3.38	6.18	3.67	4.70	3.07	3.13	3.05
Propylene	0.44	0.81	0.52	1.03	0.35	0.38	0.34
Propane	2.21	3.92	2.22	2.72	1.68	1.71	1.65
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.37	0.60	0.37	0.50	0.30	0.30	0.29
Isobutene/1-Butene	0.28	0.30	0.22	0.45	0.29	0.27	0.31
1,3-Butadiene	0.05	U	0.04	U	ND	ND	ND
n-Butane	1.01	1.60	0.85	1.54	0.70	0.71	0.65
trans-2-Butene	0.07	0.07	0.07	0.09	0.07	0.06	0.07
cis-2-Butene	0.08	0.10	0.09	0.11	0.10	0.09	0.09
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	0.50	0.73	0.42	0.32	0.30	0.29	0.30
1-Pentene	0.07	0.05	0.05	0.10	0.06	0.06	0.05
2-Methyl-1-butene	ND	ND	ND	0.04	U	ND	ND
n-Pentane	0.28	0.49	0.29	0.43	0.21	0.22	0.21
Isoprene	0.07	0.06	0.10	0.05	0.05	0.04	0.06
trans-2-Pentene	0.05	0.06	0.05	0.09	0.05	0.05	0.05
cis-2-Pentene	0.07	0.07	0.06	0.09	0.08	0.07	0.07
2-Methyl-2-butene	0.03	U	0.03	U	0.04	U	0.09
2,2-Dimethylbutane	0.09	0.11	0.10	0.24	0.10	0.10	0.09
Cyclopentene	0.03	U	ND	ND	ND	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.07	0.08	0.09	0.11	0.07	0.06	0.07
2,3-Dimethylbutane	0.11	0.11	0.10	0.28	0.10	0.10	0.10
2-Methylpentane	0.29	0.40	0.25	1.41	0.25	0.26	0.28
3-Methylpentane	0.14	0.17	0.12	0.57	0.12	0.11	0.11
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.10	0.09	0.09	0.11	0.09	0.10	0.09
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.15	0.21	0.13	0.22	0.11	0.13	0.10
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.10	0.12	0.10	0.13	0.08	0.09	0.09
2,4-Dimethylpentane	0.08	0.07	0.06	0.08	0.08	0.06	0.07
Benzene	0.37	0.29	0.28	0.38	0.24	0.24	0.25
Cyclohexane	0.09	0.11	0.09	0.11	0.09	0.09	0.09
2-Methylhexane	0.10	0.17	0.21	0.23	0.18	0.20	0.16
2,3-Dimethylpentane	0.11	0.12	0.11	0.12	0.12	0.11	0.11
3-Methylhexane	0.07	0.05	0.06	0.11	0.06	0.05	0.05
1-Heptene	0.03	U	0.03	U	ND	ND	ND
2,2,4-Trimethylpentane	0.09	0.08	0.08	0.12	0.08	0.08	0.07
n-Heptane	0.06	0.09	0.06	0.10	0.06	0.06	0.06
Methylcyclohexane	0.08	0.09	0.07	0.09	0.07	0.07	0.07
2,2,3-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND
2,3,4-Trimethylpentane	0.05	0.04	0.04	0.05	0.04	0.04	0.04
Toluene	0.26	0.28	0.18	0.41	0.18	0.19	0.15
2-Methylheptane	0.02	U	0.03	U	0.03	0.03	U
3-Methylheptane	0.04	0.03	0.03	0.04	0.03	0.03	0.03
1-Octene	ND	0.02	U	ND	ND	ND	ND
n-Octane	0.05	0.05	0.04	0.06	0.05	0.04	0.04
Ethylbenzene	0.06	0.07	0.04	0.09	0.04	0.03	0.03
m-Xylene/p-Xylene	0.26	0.19	0.17	0.32	0.10	0.09	0.12
Styrene	0.09	0.05	0.04	0.09	ND	ND	0.02
o-Xylene	0.07	0.12	0.10	0.18	0.05	0.06	0.04
1-Nonene	ND	ND	ND	ND	ND	ND	ND
n-Nonane	0.03	0.03	0.03	0.04	0.02	0.02	0.03
Isopropylbenzene	0.02	U	0.03	0.03	0.03	U	0.03
a-Pinene	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.02	U	0.02	U	0.02	U	0.02
m-Ethyltoluene	0.03	0.04	0.03	0.06	0.02	0.03	0.03
p-Ethyltoluene	0.03	U	0.03	U	0.04	0.02	U
1,3,5-Trimethylbenzene	0.02	U	0.02	U	ND	ND	ND
o-Ethyltoluene	ND	ND	ND	ND	ND	0.02	U
b-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.04	0.02	U	0.03	0.06	0.03	0.03
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.03	0.04	0.03	0.03	0.02	U	0.02
1,2,3-Trimethylbenzene	0.02	ND	0.11	ND	ND	ND	ND
m-Diethylbenzene	0.05	0.03	U	0.03	0.02	U	0.03
p-Diethylbenzene	0.03	0.02	0.03	0.04	0.01	0.02	0.02
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.09	0.17	0.05	0.10	0.03	0.03	0.03
1-Dodecene	ND	ND	ND	ND	ND	ND	ND
n-Dodecane	0.06	U	0.14	0.05	U	0.08	U
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	0.02	U	0.03	U	0.04	U	0.02
TNMOC (speciated) in ppbv	14.92	21.68	14.31	21.97	11.91	12.11	11.60
TNMOC (w/ unknowns) in ppbC	127.33	146.53	109.53	148.67	84.24	83.36	88.45

NR Not reportable due to sampler contamination.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Cedar Rapids, Iowa Site 2 (C2IA) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbV)

Sample No.:	C2IA 25987 R2	C2IA 26151	C2IA 26332	C2IA 26335	C2IA 26395	C2IA 26502	C2IA 26640
Sampling Date:	2/25/2002	3/3/2002	3/9/2002	3/15/2002	3/21/2002	3/27/2002	4/2/2002
Analysis Date:	3/6/2002		3/25/2002	3/25/2002	3/28/2002	4/5/2002	4/11/2002
Filename:	L2CF007	VOID	L2CY004	L2CY005	L2C-011	L2DE009	L2DK004
Ethylene	0.88		0.94	1.95	0.38	2.12	0.33
Acetylene	0.73		0.71	0.68	0.67	1.23	0.73
Ethane	3.04		3.43	3.13	3.08	4.23	3.15
Propylene	0.36		0.39	0.75	0.34	1.03	0.52
Propane	1.64		2.10	1.68	1.52	2.34	1.66
Propyne	ND		ND	ND	ND	ND	ND
Isobutane	0.29		0.37	0.37	0.30	0.39	0.25
Isobutene/1-Butene	0.31		0.29	0.33	0.19	0.38	0.38
1,3-Butadiene	ND		ND	ND	ND	0.04	ND
n-Butane	0.65		0.91	0.63	0.60	1.13	0.65
trans-2-Butene	0.07		0.05	0.06	0.05	0.08	0.05
cis-2-Butene	0.10		0.08	0.07	0.08	0.11	0.10
3-Methyl-1-butene	ND		ND	ND	ND	ND	ND
Isopentane	0.27		0.44	0.26	0.41	0.67	0.35
1-Pentene	0.06		0.06	0.11	0.05	0.07	0.06
2-Methyl-1-butene	ND		0.04	ND	ND	0.05	ND
n-Pentane	0.21		0.28	0.20	0.35	0.38	0.20
Isoprene	0.05		0.05	0.04	0.04	0.06	0.05
trans-2-Pentene	0.04		0.05	0.05	0.05	0.08	0.05
cis-2-Pentene	0.07		0.06	0.06	0.07	0.08	0.06
2-Methyl-2-butene	0.08		0.13	0.06	ND	0.04	ND
2,2-Dimethylbutane	0.10		0.10	0.11	0.07	0.15	0.08
Cyclopentene	ND		ND	ND	ND	ND	ND
4-Methyl-1-pentene	ND		ND	ND	ND	ND	ND
Cyclopentane	0.06		0.08	0.05	0.07	0.07	0.07
2,3-Dimethylbutane	0.10		0.10	0.10	0.08	0.21	0.10
2-Methylpentane	0.29		0.40	0.42	0.09	0.76	0.14
3-Methylpentane	0.11		0.17	0.16	0.10	0.41	0.14
2-Methyl-1-pentene	ND		ND	ND	ND	ND	ND
1-Hexene	0.09		0.09	0.14	0.09	0.11	0.08
2-Ethyl-1-butene	ND		ND	ND	ND	ND	ND
n-Hexane	0.11		0.12	0.10	0.11	0.18	0.12
trans-2-Hexene	ND		ND	ND	ND	ND	ND
cis-2-Hexene	ND		ND	ND	ND	ND	ND
Methylcyclopentane	0.09		0.08	0.17	0.07	0.11	0.08
2,4-Dimethylpentane	0.07		0.08	0.08	0.06	0.08	0.06
Benzene	0.24		0.24	0.27	0.22	0.32	0.21
Cyclohexane	0.09		0.08	0.08	0.09	0.09	0.09
2-Methylhexane	0.18		0.22	0.25	0.09	0.17	0.15
2,3-Dimethylpentane	0.11		0.11	0.10	0.14	0.13	0.14
3-Methylhexane	0.05		0.07	ND	0.11	0.13	0.08
1-Heptene	ND		ND	0.07	ND	0.02	ND
2,2,4-Trimethylpentane	0.07		0.16	0.06	0.05	0.11	0.08
n-Heptane	0.06		0.07	0.06	0.06	0.09	0.06
Methylcyclohexane	0.07		0.08	0.06	0.06	0.08	0.07
2,2,3-Trimethylpentane	ND		ND	ND	ND	ND	ND
2,3,4-Trimethylpentane	0.04		0.04	0.08	0.03	0.05	0.04
Toluene	0.16		0.27	0.15	0.18	0.36	0.19
2-Methylheptane	0.03	U	0.02	ND	0.02	0.03	0.03
3-Methylheptane	0.03		0.03	ND	0.03	0.04	0.03
1-Octene	ND		ND	0.08	ND	ND	ND
n-Octane	0.04		0.04	0.06	0.03	0.05	0.04
Ethylbenzene	0.04		0.04	0.05	0.04	0.05	0.05
m-Xylene/p-Xylene	0.12		0.16	0.12	0.12	0.28	0.11
Styrene	ND		0.05	ND	0.07	ND	0.07
o-Xylene	0.06		0.09	0.07	0.04	0.08	0.06
1-Nonene	ND		ND	0.02	U	ND	ND
n-Nonane	0.03		0.02	0.03	0.03	0.03	0.03
Isopropylbenzene	0.03	U	0.03	U	0.03	U	0.03
a-Pinene	ND		0.05	ND	ND	ND	ND
n-Propylbenzene	0.02	U	0.02	U	0.02	U	ND
m-Ethyltoluene	0.03		0.03	0.03	0.03	0.04	0.03
p-Ethyltoluene	0.02	U	0.02	U	0.02	U	0.03
1,3,5-Trimethylbenzene	ND		0.02	ND	ND	0.02	0.02
o-Ethyltoluene	0.02	U	ND	ND	ND	0.03	0.02
b-Pinene	ND		ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.02		0.04	0.05	0.03	0.06	0.04
1-Decene	ND		ND	ND	ND	ND	ND
n-Decane	0.02		0.02	0.04	0.04	0.03	0.03
1,2,3-Trimethylbenzene	ND		ND	ND	ND	0.02	ND
m-Diethylbenzene	0.02	U	0.09	0.06	0.04	0.04	0.02
p-Diethylbenzene	0.02		0.02	0.03	0.03	0.03	0.04
1-Undecene	ND		ND	ND	ND	ND	ND
n-Undecane	0.03	U	0.06	0.09	0.15	0.08	0.11
1-Dodecene	ND		ND	ND	ND	ND	ND
n-Dodecane	0.04	U	0.07	0.08	0.13	0.06	0.15
1-Tridecene	ND		ND	ND	ND	ND	ND
n-Tridecane	0.01	U	0.02	U	0.04	U	0.05
TNMOC (speciated) in ppbv	11.57		13.91	13.87	10.90	19.25	11.58
TNMOC (w/ unknowns) in ppbC	91.42		109.37	203.37	87.40	128.69	106.72

NR Not reportable due to sampler contamination.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Cedar Rapids, Iowa Site 2 (C2IA) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ppbV)

Sample No.:	C2IA 26716	C2IA 26892	C2IA 27094	C2IA 27269	C2IA 27332	C2IA 27438	C2IA 27533 D1
Sampling Date:	4/8/2002	4/14/2002	4/26/2002	4/29/2002	5/2/2002	5/8/2002	5/14/2002
Analysis Date:	4/12/2002	4/26/2002	5/3/2002	5/4/2002	5/9/2002	5/14/2002	5/20/2002
Filename:	L2DK021	L2DZ011	L2EC010	L2EC024	L2EH022	L2EN005	L2ET015
Ethylene	1.11	1.78	0.91	0.83	0.62	1.07	1.17
Acetylene	0.79	1.03	0.53	0.70	0.40	0.47	0.55
Ethane	3.58	4.27	2.41	2.65	2.09	2.12	2.46
Propylene	0.38	0.65	0.25	0.22	0.18	0.27	0.35
Propane	1.78	2.35	1.01	1.25	0.79	0.96	1.13
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.27	0.61	0.15	0.41	0.13	0.25	0.19
Isobutene/1-Butene	0.25	0.40	0.35	0.34	0.25	0.39	0.34
1,3-Butadiene	ND	0.06	U	ND	ND	ND	ND
n-Butane	0.69	1.53	0.36	1.06	0.27	0.45	0.50
trans-2-Butene	0.06	0.09	0.05	0.08	0.05	0.05	0.06
cis-2-Butene	0.08	0.12	0.08	0.09	0.08	0.07	0.09
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	NR	NR	NR	NR	NR	NR	NR
1-Pentene	0.05	0.14	0.06	0.11	0.08	0.14	0.09
2-Methyl-1-butene	ND	0.06	ND	ND	ND	ND	0.05
n-Pentane	0.28	0.75	0.18	2.83	0.15	0.30	0.34
Isoprene	0.05	0.06	0.05	0.07	0.05	0.07	0.07
trans-2-Pentene	0.06	0.11	0.04	0.11	0.05	0.07	0.07
cis-2-Pentene	0.05	0.08	0.05	0.09	0.06	0.06	0.07
2-Methyl-2-butene	ND	0.16	ND	0.08	0.07	ND	0.24
2,2-Dimethylbutane	0.11	0.20	0.07	0.10	0.07	0.09	0.11
Cyclopentene	ND	ND	ND	0.03	U	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.05	0.09	0.06	0.12	0.03	0.07	0.08
2,3-Dimethylbutane	0.14	0.29	0.10	0.14	0.08	0.17	0.12
2-Methylpentane	0.54	1.44	0.27	0.43	0.20	0.93	0.45
3-Methylpentane	0.28	0.53	0.16	0.23	0.11	0.21	0.22
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.09	0.11	0.09	0.15	0.10	0.11	0.11
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.17	0.30	0.12	0.26	0.10	0.25	0.17
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.07	0.14	0.06	0.15	0.06	0.08	0.11
2,4-Dimethylpentane	0.07	0.10	0.06	0.07	0.06	0.06	0.08
Benzene	0.31	0.43	0.26	0.41	0.32	0.27	0.32
Cyclohexane	0.08	0.13	0.07	0.28	0.07	0.07	0.08
2-Methylhexane	0.27	0.31	0.22	0.25	0.21	0.30	0.30
2,3-Dimethylpentane	0.21	0.22	0.19	0.20	0.16	0.26	0.26
3-Methylhexane	0.35	0.38	0.31	0.37	0.30	0.53	0.48
1-Heptene	0.03	U	0.07	0.05	0.08	0.04	0.05
2,2,4-Trimethylpentane	0.09	0.16	0.06	0.08	0.05	0.09	0.11
n-Heptane	NR	NR	NR	NR	NR	NR	NR
Methylcyclohexane	0.17	0.19	0.17	0.16	0.13	0.24	0.23
2,2,3-Trimethylpentane	0.06	0.07	0.04	0.05	0.04	0.10	0.10
2,3,4-Trimethylpentane	0.04	0.06	0.03	0.04	0.04	0.04	0.05
Toluene	NR	NR	NR	NR	NR	NR	NR
2-Methylheptane	0.03	U	0.04	0.03	0.03	U	0.05
3-Methylheptane	0.04	0.05	0.03	0.04	0.03	0.04	0.05
1-Octene	0.03	0.07	0.05	0.09	0.04	0.05	0.03
n-Octane	0.05	0.07	0.07	0.06	0.05	0.07	0.10
Ethylbenzene	NR	NR	NR	NR	NR	NR	NR
m-Xylene/p-Xylene	NR	NR	NR	NR	NR	NR	NR
Styrene	NR	NR	NR	NR	NR	NR	NR
o-Xylene	NR	NR	NR	NR	NR	NR	NR
1-Nonene	0.03	U	0.08	0.03	U	0.04	0.02
n-Nonane	0.04	0.06	0.05	0.04	0.04	0.05	0.09
Isopropylbenzene	NR	NR	NR	NR	NR	NR	NR
a-Pinene	ND	0.03	U	ND	ND	ND	ND
n-Propylbenzene	NR	NR	NR	NR	NR	NR	NR
m-Ethyltoluene	NR	NR	NR	NR	NR	NR	NR
p-Ethyltoluene	NR	NR	NR	NR	NR	NR	NR
1,3,5-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR
o-Ethyltoluene	NR	NR	NR	NR	NR	NR	NR
b-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.23	0.22	0.16	0.16	0.13	0.24	0.25
1,2,3-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR
m-Diethylbenzene	NR	NR	NR	NR	NR	NR	NR
p-Diethylbenzene	NR	NR	NR	NR	NR	NR	NR
1-Undecene	ND	ND	ND	0.02	U	ND	ND
n-Undecane	0.16	0.24	0.05	0.14	0.04	0.10	0.08
1-Dodecene	NR	NR	NR	NR	NR	NR	NR
n-Dodecane	0.12	0.21	0.04	U	0.13	0.04	0.08
1-Tridecene	0.11	ND	0.02	U	ND	0.02	ND
n-Tridecane	0.07	0.06	U	ND	0.03	U	0.02
TNMOC (speciated) in ppbv	NR	NR	NR	NR	NR	NR	NR
TNMOC (w/ unknowns) in ppbC	NR	NR	NR	NR	NR	NR	NR

NR Not reportable due to sampler contamination.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Cedar Rapids, Iowa Site 2 (C2IA) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ppbV)

Sample No.:	C2IA 27533 R1	C2IA 27535 D1	C2IA 27535 R2	C2IA 27664	C2IA 27778	C2IA 27838	C2IA 27919
Sampling Date:	5/14/2002	5/14/2002	5/14/2002	5/20/2002	5/26/2002	6/1/2002	6/7/2002
Analysis Date:	5/21/2002	5/21/2002	5/21/2002	5/24/2002	6/4/2002	7/1/2002	7/2/2002
Filename:	L2EU013	L2ET016	L2EU014	L2EW020	L2FC015	L2GA006	L2GB014
Ethylene	1.18	1.01	1.06	0.89	0.82	1.50	1.09
Acetylene	0.59	0.55	0.55	0.70	0.37	0.58	0.55
Ethane	2.54	2.52	2.58	2.64	1.96	2.17	2.23
Propylene	0.34	0.31	0.30	0.23	0.22	0.49	0.34
Propane	1.16	1.12	1.16	1.67	0.87	1.38	1.09
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.19	0.19	0.19	0.38	0.19	0.43	0.28
Isobutene/1-Butene	0.36	0.52	0.54	0.29	0.39	1.29	0.50
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND
n-Butane	0.51	0.51	0.51	0.88	0.40	1.06	0.31
trans-2-Butene	0.07	0.07	0.07	0.07	0.06	0.11	0.07
cis-2-Butene	0.09	0.10	0.10	0.08	0.08	0.19	0.19
3-Methyl-1-butene	ND	ND	ND	1.74	ND	ND	ND
Isopentane	NR	NR	NR	NR	NR	NR	NR
1-Pentene	0.10	0.13	0.11	0.10	0.07	0.31	0.12
2-Methyl-1-butene	0.05	0.05	0.03 U	ND	ND	0.08	ND
n-Pentane	0.39	0.32	0.33	0.86	0.23	1.16	0.35
Isoprene	0.07	0.09	0.09	0.07	0.08	0.99	0.18
trans-2-Pentene	0.07	0.07	0.07	0.07	0.05	0.12	0.10
cis-2-Pentene	0.08	0.07	0.07	0.07	0.06	0.14	0.12
2-Methyl-2-butene	ND	ND	ND	ND	ND	0.22	ND
2,2-Dimethylbutane	0.10	0.10	0.10	0.09	0.09	0.27	0.21
Cyclopentene	ND	0.03 U	ND	ND	0.05	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.06	0.08	0.07	0.10	0.07	0.16	0.11
2,3-Dimethylbutane	0.13	0.12	0.12	0.10	0.15	0.36	0.34
2-Methylpentane	0.48	0.32	0.37	0.20	0.73	1.27	1.31
3-Methylpentane	0.21	0.21	0.22	0.16	0.30	0.60	0.70
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.11	0.12	0.12	0.10	0.11	0.21	0.18
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.19	0.17	0.19	0.18	0.18	0.34	0.18
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.11	0.10	0.10	0.10	0.08	0.20	0.13
2,4-Dimethylpentane	0.07	0.07	0.07	0.07	0.07	0.15	0.12
Benzene	0.33	0.38	0.38	0.42	0.20	0.34	0.26
Cyclohexane	0.09	0.08	0.09	0.14	0.08	0.19	0.14
2-Methylhexane	0.31	0.10	0.12	0.28	0.21	0.32	0.23
2,3-Dimethylpentane	0.25	0.16	0.15	0.19	0.15	0.31	0.21
3-Methylhexane	0.58	0.19	0.17	0.54	0.32	0.66	0.22
1-Heptene	0.06	0.04	0.04	0.04	0.05	0.04	ND
2,2,4-Trimethylpentane	0.10	0.10	0.10	0.09	0.08	0.21	0.14
n-Heptane	NR	NR	NR	NR	NR	NR	NR
Methylcyclohexane	0.24	0.13	0.13	0.18	0.12	0.29	0.16
2,2,3-Trimethylpentane	0.11	ND	0.02 U	0.09	0.02 U	0.07	ND
2,3,4-Trimethylpentane	0.06	0.04	0.05	0.05	0.04	0.10	0.07
Toluene	NR	NR	NR	NR	NR	NR	NR
2-Methylheptane	0.05	0.05	0.05	0.04	0.04	0.14	0.07
3-Methylheptane	0.05	0.06	0.06	0.04	0.04	0.17	0.09
1-Octene	0.02 U	0.05	0.06	0.03 U	0.04	ND	ND
n-Octane	0.11	0.12	0.13	0.07	0.05	0.32	0.16
Ethylbenzene	NR	NR	NR	NR	NR	NR	NR
m-Xylene/p-Xylene	NR	NR	NR	NR	NR	NR	NR
Styrene	NR	NR	NR	NR	NR	NR	NR
o-Xylene	NR	NR	NR	NR	NR	NR	NR
1-Nonene	ND	0.04	0.05	0.02 U	0.03 U	ND	ND
n-Nonane	0.10	0.10	0.10	0.05	0.06	0.09	0.11
Isopropylbenzene	NR	NR	NR	NR	NR	NR	NR
a-Pinene	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	NR	NR	NR	NR	NR	NR	NR
m-Ethyltoluene	NR	NR	NR	NR	NR	NR	NR
p-Ethyltoluene	NR	NR	NR	NR	NR	NR	NR
1,3,5-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR
o-Ethyltoluene	NR	NR	NR	NR	NR	NR	NR
b-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.26	0.15	0.14	0.20	0.19	0.14	0.22
1,2,3-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR
m-Diethylbenzene	NR	NR	NR	NR	NR	NR	NR
p-Diethylbenzene	NR	NR	NR	NR	NR	NR	NR
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.08	0.09	0.09	0.31	0.10	0.09	0.10
1-Dodecene	NR	NR	NR	NR	NR	NR	NR
n-Dodecane	0.05 U	0.07	0.05 U	0.23	0.10	0.06 U	0.06 U
1-Tridecene	ND	0.02 U	0.02 U	ND	0.02 U	ND	ND
n-Tridecane	0.01 U	0.03 U	0.02 U	0.02 U	0.04 U	0.02 U	0.02 U
TNMOC (speciated) in ppbv	NR	NR	NR	NR	NR	NR	NR
TNMOC (w/ unknowns) in ppbC	NR	NR	NR	NR	NR	NR	NR

NR Not reportable due to sampler contamination.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Cedar Rapids, Iowa Site 2 (C2IA) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbV)

Sample No.:	C2IA 28011	C2IA 28230	C2IA 28310 D1	C2IA 28310 R1	C2IA 28311 D2	C2IA 28311 R2	C2IA 28476
Sampling Date:	6/13/2002	6/19/2002	6/25/2002	6/25/2002	6/25/2002	6/25/2002	7/1/2002
Analysis Date:	7/13/2002	7/13/2002	7/24/2002	8/15/2002	8/13/2002	8/15/2002	8/1/2002
Filename:	L2GL019	L2GL026	N2GX005	L2HO008	L2HM011	L2HO009	L2HA006
Ethylene	1.05	0.61	1.02	1.48	1.64	1.63	0.88
Acetylene	0.34	0.25	0.68	0.61	0.61	0.63	0.29
Ethane	1.81	0.98	1.60	1.97	2.07	2.17	2.02
Propylene	0.32	0.21	0.31	0.59	0.55	0.59	0.36
Propane	0.90	0.65	1.04	1.46	1.50	1.53	1.15
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.25	0.13	0.30	0.48	0.39	0.43	0.29
Isobutene/1-Butene	0.51	0.28	0.73	0.89	0.89	0.92	0.61
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND
n-Butane	0.45	0.30	0.69	0.89	0.91	0.93	0.58
trans-2-Butene	0.12	0.06	0.05	0.17	0.18	0.18	0.10
cis-2-Butene	0.17	0.08	0.07	0.28	0.26	0.24	0.16
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	NR	NR	NR	NR	NR	NR	NR
1-Pentene	0.14	0.07	0.06	0.19	0.17	0.17	0.11
2-Methyl-1-butene	ND	ND	0.04 U	0.09	0.06	0.10	ND
n-Pentane	0.28	0.20	0.70	1.10	0.60	0.64	0.39
Isoprene	0.43	0.14	1.10	0.90	0.89	0.94	0.70
trans-2-Pentene	0.10	0.06	0.06	0.15	0.17	0.19	0.10
cis-2-Pentene	0.13	0.07	0.07	0.19	0.19	0.20	0.12
2-Methyl-2-butene	ND	ND	ND	ND	0.07	ND	0.06
2,2-Dimethylbutane	0.16	0.10	0.28	0.28	0.28	0.29	0.16
Cyclopentene	0.05	ND	ND	ND	ND	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.11	0.06	0.12	0.20	0.17	0.20	0.11
2,3-Dimethylbutane	0.18	0.16	0.19	0.34	0.35	0.35	0.18
2-Methylpentane	0.28	0.61	0.55	0.96	0.75	1.00	0.28
3-Methylpentane	0.20	0.28	0.35	0.45	0.44	0.45	0.18
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.19	0.10	0.17	0.26	0.25	0.31	0.18
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.17	0.13	0.19	0.37	0.32	0.37	0.21
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.10	0.07	0.12	0.24	0.19	0.23	0.12
2,4-Dimethylpentane	0.11	0.06	0.09	0.18	0.19	0.20	0.11
Benzene	0.20	0.13	0.39	0.41	0.41	0.45	0.24
Cyclohexane	0.13	0.08	0.09	0.23	0.23	0.25	0.13
2-Methylhexane	0.20	0.11	0.28	0.37	0.25	0.29	0.23
2,3-Dimethylpentane	0.20	0.11	0.18	0.30	0.27	0.27	0.19
3-Methylhexane	0.40	0.24	0.30	0.34	0.15	0.20	0.23
1-Heptene	ND	ND	ND	ND	ND	ND	0.04
2,2,4-Trimethylpentane	0.13	0.07	0.16	0.18	0.20	0.24	0.11
n-Heptane	NR	NR	NR	NR	NR	NR	NR
Methylcyclohexane	0.13	0.07	0.13	0.22	0.16	0.16	0.14
2,2,3-Trimethylpentane	ND	ND	0.11	0.06	ND	ND	0.03
2,3,4-Trimethylpentane	0.07	0.04	0.05	0.11	0.12	0.16	0.07
Toluene	NR	NR	NR	NR	NR	NR	NR
2-Methylheptane	0.05	0.02 U	0.05	0.08	0.07	0.08	0.06
3-Methylheptane	0.05	0.02	0.05	0.09	0.09	0.11	0.05
1-Octene	ND	ND	ND	0.04	0.04	0.05	ND
n-Octane	0.06	0.03	0.08	0.11	0.11	0.12	0.07
Ethylbenzene	NR	NR	NR	NR	NR	NR	NR
m-Xylene/p-Xylene	NR	NR	NR	NR	NR	NR	NR
Styrene	NR	NR	NR	NR	NR	NR	NR
o-Xylene	NR	NR	NR	NR	NR	NR	NR
1-Nonene	ND	ND	ND	ND	0.04 U	ND	ND
n-Nonane	0.04	0.03	0.08	0.09	0.09	0.10	0.05
Isopropylbenzene	NR	NR	NR	NR	NR	NR	NR
a-Pinene	ND	ND	ND	0.27	0.33	0.35	0.13
n-Propylbenzene	NR	NR	NR	NR	NR	NR	NR
m-Ethyltoluene	NR	NR	NR	NR	NR	NR	NR
p-Ethyltoluene	NR	NR	NR	NR	NR	NR	NR
1,3,5-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR
o-Ethyltoluene	NR	NR	NR	NR	NR	NR	NR
b-Pinene	ND	ND	ND	ND	0.83	ND	0.31
1,2,4-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.12	0.06	1.46	0.25	0.17	0.14	0.18
1,2,3-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR
m-Diethylbenzene	NR	NR	NR	NR	NR	NR	NR
p-Diethylbenzene	NR	NR	NR	NR	NR	NR	NR
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.08	0.04	0.12	0.19	0.27	0.26	0.09
1-Dodecene	NR	NR	NR	NR	NR	NR	NR
n-Dodecane	0.07	0.04 U	0.03 U	0.12	0.12	0.13	0.05 U
1-Tridecene	ND	0.01 U	ND	0.03 U	0.05 U	0.05 U	ND
n-Tridecane	ND	0.01 U	ND	ND	0.03 U	ND	ND
TNMOC (speciated) in ppbv	NR	NR	NR	NR	NR	NR	NR
TNMOC (w/ unknowns) in ppbC	NR	NR	NR	NR	NR	NR	NR

NR Not reportable due to sampler contamination.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Cedar Rapids, Iowa Site 2 (C2IA) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbV)

Sample No.:	C2IA 28614	C2IA 28713	C2IA 28875	C2IA 28961	C2IA 29060	C2IA 29318	C2IA 29463
Sampling Date:	7/7/2002	7/13/2002	7/19/2002	7/25/2002	7/31/2002	8/18/2002	8/24/2002
Analysis Date:	8/1/2002	8/6/2002	8/9/2002	8/14/2002	8/31/2002	9/4/2002	9/18/2002
Filename:	L2G%009	L2HE020	L2HI007	L2HM019	L2HS014	L2IC021	L2IQ020
Ethylene	1.08	1.50	1.23	1.86	2.48	1.26	0.85
Acetylene	0.41	0.68	0.43	0.82	1.09	0.41	0.42
Ethane	1.53	2.13	3.50	2.39	2.03	2.13	1.82
Propylene	0.35	0.59	0.54	0.73	1.29	0.75	0.36
Propane	0.83	1.49	1.83	1.57	1.60	1.78	1.55
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.25	0.40	0.37	0.41	0.34	0.25	0.23
Isobutene/1-Butene	0.48	0.59	0.69	0.71	1.87	0.73	0.36
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND
n-Butane	0.48	0.85	0.74	0.83	0.77	0.53	0.46
trans-2-Butene	0.11	0.19	0.17	0.19	0.16	0.12	0.10
cis-2-Butene	0.15	0.23	0.26	0.26	0.25	0.17	0.14
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	NR	NR	NR	NR	NR	0.50	0.59
1-Pentene	0.10	0.15	0.16	0.17	0.21	0.13	ND
2-Methyl-1-butene	0.04	U	ND	0.09	0.14	0.14	ND
n-Pentane	0.41	0.59	0.49	0.66	0.49	0.33	0.29
Isoprene	0.87	1.09	0.90	0.42	0.64	0.49	0.69
trans-2-Pentene	0.12	0.19	0.16	0.18	0.19	0.11	0.08
cis-2-Pentene	0.12	0.19	0.19	0.21	0.16	0.10	0.09
2-Methyl-2-butene	0.04	U	0.08	ND	0.10	ND	ND
2,2-Dimethylbutane	0.16	0.29	0.25	0.30	0.26	0.15	0.14
Cyclopentene	ND	ND	ND	ND	ND	ND	0.05
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.13	0.20	0.19	0.19	0.17	0.11	0.10
2,3-Dimethylbutane	0.24	0.38	0.33	0.39	0.34	0.15	0.14
2-Methylpentane	0.80	0.85	1.04	1.34	1.79	0.30	0.49
3-Methylpentane	0.32	0.41	0.41	0.73	0.66	0.18	0.19
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.17	0.24	0.28	0.25	0.23	0.15	0.11
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.24	0.33	0.29	0.29	0.25	0.13	0.11
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.13	0.19	0.15	0.22	0.26	0.10	0.10
2,4-Dimethylpentane	0.11	0.19	0.16	0.20	0.15	0.11	0.10
Benzene	0.24	0.31	0.30	0.33	0.27	0.23	0.20
Cyclohexane	0.16	0.21	0.21	0.23	0.21	0.12	0.11
2-Methylhexane	0.21	0.29	0.30	0.33	0.19	0.17	0.09
2,3-Dimethylpentane	0.20	0.30	0.27	0.32	0.22	0.14	0.14
3-Methylhexane	0.18	0.28	0.26	0.28	0.26	0.10	0.08
1-Heptene	ND	ND	ND	ND	0.11	0.09	ND
2,2,4-Trimethylpentane	0.12	0.20	0.15	0.25	0.14	0.11	0.11
n-Heptane	NR	NR	NR	NR	NR	0.08	0.06
Methylcyclohexane	0.11	0.19	0.19	0.24	0.14	0.09	0.13
2,2,3-Trimethylpentane	ND	0.04	ND	ND	0.05	ND	ND
2,3,4-Trimethylpentane	0.08	0.11	0.09	0.12	0.18	0.05	0.05
Toluene	NR	NR	NR	NR	NR	0.38	0.26
2-Methylheptane	0.05	0.09	0.07	0.08	0.06	0.03	0.04
3-Methylheptane	0.05	0.09	0.09	0.09	0.07	0.05	0.04
1-Octene	ND	ND	ND	ND	0.09	0.04	0.02
n-Octane	0.07	0.09	0.10	0.10	0.11	0.06	0.05
Ethylbenzene	NR	NR	NR	NR	NR	0.09	0.06
m-Xylene/p-Xylene	NR	NR	NR	NR	NR	0.44	0.09
Styrene	NR	NR	NR	NR	NR	0.70	0.10
o-Xylene	NR	NR	NR	NR	NR	0.08	0.05
1-Nonene	0.05	ND	ND	ND	ND	ND	ND
n-Nonane	0.04	0.10	0.06	0.08	0.09	0.04	0.04
Isopropylbenzene	NR	NR	NR	NR	NR	0.17	0.06
a-Pinene	0.09	0.14	0.17	0.15	0.88	0.13	0.05
n-Propylbenzene	NR	NR	NR	NR	NR	0.05	0.03
m-Ethyltoluene	NR	NR	NR	NR	NR	0.06	0.03
p-Ethyltoluene	NR	NR	NR	NR	NR	0.05	0.03
1,3,5-Trimethylbenzene	NR	NR	NR	NR	NR	0.05	0.04
o-Ethyltoluene	NR	NR	NR	NR	NR	0.05	0.04
b-Pinene	0.19	0.24	0.39	0.37	0.65	0.10	0.14
1,2,4-Trimethylbenzene	NR	NR	NR	NR	NR	0.15	0.07
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.13	0.15	0.15	0.17	0.16	0.07	0.04
1,2,3-Trimethylbenzene	NR	NR	NR	NR	NR	0.04	0.03
m-Diethylbenzene	NR	NR	NR	NR	NR	0.14	ND
p-Diethylbenzene	NR	NR	NR	NR	NR	0.02	ND
1-Undecene	ND	ND	ND	ND	ND	0.05	ND
n-Undecane	0.17	0.10	0.11	0.13	0.11	0.07	0.04
1-Dodecene	NR	NR	NR	NR	NR	0.02	0.02
n-Dodecane	0.11	0.06	0.09	ND	0.09	0.05	U
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	ND	ND	ND	ND
TNMOC (speciated) in ppbv	NR	NR	NR	NR	NR	15.65	11.97
TNMOC (w/ unknowns) in ppbC	NR	NR	NR	NR	NR	117.14	83.42

NR Not reportable due to sampler contamination.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Cedar Rapids, Iowa Site 2 (C2IA) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbV)

Sample No.:	C2IA 29589	C2IA 29706	C2IA 29851 D1	C2IA 29851 R1	C2IA 29853 D2	C2IA 29853 R2	C2IA 29928	
Sampling Date:	8/30/2002	9/5/2002	9/11/2002	9/11/2002	9/11/2002	9/11/2002	9/17/2002	
Analysis Date:	9/23/2002	9/26/2002	10/11/2002	10/15/2002	10/11/2002	10/15/2002	10/16/2002	
Filename:	L2IW007	L2IY020	L2JJ013	L2JO005	L2JJ014	L2JO006	L2JO019	
Ethylene	1.59	2.15	1.17	1.23	1.72	1.63	2.00	
Acetylene	0.75	0.99	0.54	0.55	1.09	1.05	1.44	
Ethane	2.58	2.70	2.07	2.10	2.58	2.53	3.64	
Propylene	0.42	0.45	0.43	0.39	0.58	0.52	0.61	
Propane	1.90	2.48	1.47	1.31	1.90	1.73	2.54	
Propyne	ND	ND	ND	ND	ND	ND	ND	
Isobutane	0.43	0.36	0.35	0.33	2.75	2.51	1.25	
Isobutene/1-Butene	0.39	0.34	0.29	0.29	0.46	0.44	0.55	
1,3-Butadiene	ND	ND	ND	ND	ND	0.05	U	0.07
n-Butane	0.87	0.75	0.81	0.76	1.83	1.69	1.53	
trans-2-Butene	0.10	0.09	0.11	0.10	0.12	0.11	0.12	
cis-2-Butene	0.12	0.10	0.14	0.14	0.15	0.14	0.16	
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND	
Isopentane	1.31	1.14	1.10	1.09	2.91	2.71	3.52	
1-Pentene	0.11	ND	0.10	ND	0.15	ND	0.23	
2-Methyl-1-butene	0.06	0.04	U	0.05	U	0.08	0.09	
n-Pentane	0.55	0.44	0.95	0.88	1.19	1.09	1.29	
Isoprene	0.76	0.53	0.48	0.44	0.93	0.70	0.41	
trans-2-Pentene	0.10	0.09	0.10	0.08	0.11	0.12	0.17	
cis-2-Pentene	0.09	0.09	0.11	0.09	0.11	0.10	0.14	
2-Methyl-2-butene	0.05	ND	0.05	0.05	U	0.07	0.10	
2,2-Dimethylbutane	0.15	0.20	0.14	0.14	0.16	0.15	0.22	
Cyclopentene	0.16	ND	ND	ND	ND	0.08	0.16	
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND	
Cyclopentane	0.13	0.11	0.13	0.11	0.12	0.13	0.21	
2,3-Dimethylbutane	0.18	0.23	0.17	0.15	0.17	0.17	0.32	
2-Methylpentane	0.50	0.86	0.25	0.22	0.35	0.32	1.24	
3-Methylpentane	0.27	0.52	0.23	0.22	0.79	0.53	0.91	
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND	
1-Hexene	0.13	0.10	0.12	0.08	0.10	0.09	0.12	
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND	
n-Hexane	0.21	0.19	0.22	0.20	0.04	0.26	0.39	
trans-2-Hexene	ND	ND	ND	ND	ND	ND	0.12	
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND	
Methylcyclopentane	0.14	0.11	0.15	0.17	0.24	0.23	0.25	
2,4-Dimethylpentane	0.11	0.10	0.10	0.09	0.11	0.10	0.12	
Benzene	0.28	0.33	0.25	0.21	0.32	0.29	0.53	
Cyclohexane	0.05	0.23	0.20	0.06	0.27	0.22	0.52	
2-Methylhexane	0.10	0.13	0.17	0.06	0.10	0.08	0.24	
2,3-Dimethylpentane	0.14	0.16	0.16	0.10	0.12	0.12	0.22	
3-Methylhexane	0.21	0.21	0.21	0.14	0.25	0.19	0.16	
1-Heptene	ND	ND	ND	ND	0.04	ND	0.03	U
2,2,4-Trimethylpentane	0.16	0.14	0.15	0.13	0.12	0.19	0.18	
n-Heptane	0.09	0.07	0.08	0.08	0.12	0.12	0.14	
Methylcyclohexane	0.10	0.10	0.09	0.08	0.12	0.12	0.13	
2,2,3-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND	
2,3,4-Trimethylpentane	0.05	0.06	0.07	0.06	0.08	0.08	0.10	
Toluene	0.50	0.53	0.51	0.51	1.67	1.57	4.93	
2-Methylheptane	0.05	0.05	0.06	0.06	0.09	0.09	0.09	
3-Methylheptane	0.06	0.06	0.04	0.07	0.07	0.04	0.09	
1-Octene	ND	ND	ND	ND	0.05	0.05	0.04	
n-Octane	0.06	0.06	0.08	0.09	0.14	0.13	0.15	
Ethylbenzene	0.10	0.09	0.08	0.08	0.25	0.24	0.23	
m-Xylene/p-Xylene	0.16	0.19	0.19	0.16	0.57	0.50	0.37	
Styrene	0.21	0.04	0.05	0.04	0.14	0.11	0.12	
o-Xylene	0.08	0.09	0.17	0.07	0.23	0.21	0.16	
1-Nonene	ND	ND	ND	ND	0.03	U	0.03	U
n-Nonane	0.04	0.05	0.07	0.06	0.14	0.12	0.11	
Isopropylbenzene	0.05	0.06	0.05	0.04	0.07	0.07	0.07	
a-Pinene	0.04	0.05	0.05	0.04	0.22	0.19	0.08	
n-Propylbenzene	0.02	U	0.03	0.05	0.03	U	0.15	0.04
m-Ethyltoluene	0.05	0.06	0.07	0.06	0.41	0.34	0.11	
p-Ethyltoluene	0.03	U	0.04	0.06	0.05	0.22	0.17	0.07
1,3,5-Trimethylbenzene	0.04	0.06	0.05	0.06	0.30	0.25	0.09	
o-Ethyltoluene	ND	0.06	0.06	0.05	0.27	0.24	0.08	
b-Pinene	0.07	0.06	0.16	0.14	0.14	0.09	0.09	
1,2,4-Trimethylbenzene	0.09	0.09	0.11	0.09	0.70	0.59	0.17	
1-Decene	ND	ND	ND	ND	ND	ND	ND	
n-Decane	0.06	0.08	0.09	0.09	1.17	1.05	0.43	
1,2,3-Trimethylbenzene	0.12	0.04	0.05	ND	0.14	0.10	0.04	
m-Diethylbenzene	0.05	0.04	0.02	U	0.02	U	0.04	0.03
p-Diethylbenzene	ND	ND	ND	0.02	0.05	0.04	0.02	
1-Undecene	ND	ND	ND	ND	ND	ND	ND	
n-Undecane	0.05	0.11	0.12	0.11	3.77	3.20	1.25	
1-Dodecene	ND	ND	0.05	U	ND	ND	ND	
n-Dodecane	0.05	U	0.06	U	0.11	2.70	2.39	0.93
1-Tridecene	ND	ND	ND	ND	ND	ND	ND	
n-Tridecane	ND	ND	ND	ND	0.23	ND	0.09	
TNMOC (speciated) in ppbv	17.28	18.60	15.54	14.20	36.33	32.73	36.05	
TNMOC (w/ unknowns) in ppbC	109.37	110.20	119.67	115.52	288.60	262.60	238.36	

NR Not reportable due to sampler contamination.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Cedar Rapids, Iowa Site 2 (C2IA) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ppbV)

Sample No.:	C21A 29966	C21A 30081	C21A 30093	C21A 30193	C21A 30256	C21A 30347 D1	C21A 30347 R1	
Sampling Date:	9/23/2002	9/29/2002	10/5/2002	10/11/2002	10/17/2002	10/23/2002	10/23/2002	
Analysis Date:	10/17/2002	10/18/2002	10/22/2002	10/25/2002	10/25/2002	11/23/2002	11/23/2002	
Filename:	L2JQ008	L2JQ015	L2JV013	L2JX015	L2JX020	L2KV022	L2KZ018	
Ethylene	1.55	1.57	1.04	2.14	1.62	0.64	1.28	
Acetylene	0.76	0.69	0.54	1.05	2.01	0.42	0.76	
Ethane	2.80	3.88	2.65	4.35	4.20	1.76	3.07	
Propylene	0.50	0.56	0.34	0.56	0.60	0.17	0.37	
Propane	2.77	2.50	1.54	2.94	4.24	0.75	1.67	
Propyne	ND	ND	ND	ND	ND	ND	ND	
Isobutane	0.44	0.49	0.25	0.57	42.90	0.10	0.30	
Isobutene/1-Butene	0.40	0.64	0.35	0.51	0.45	0.08	0.29	
1,3-Butadiene	0.06	U	ND	ND	ND	ND	ND	
n-Butane	0.85	1.16	0.55	1.57	23.24	0.26	0.78	
trans-2-Butene	0.11	0.09	0.09	0.10	0.09	ND	0.10	
cis-2-Butene	0.14	0.12	0.11	0.14	0.16	ND	0.14	
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND	
Isopentane	1.06	1.18	0.59	1.44	19.58	0.20	0.52	
1-Pentene	ND	ND	0.06	ND	0.05	ND	0.08	
2-Methyl-1-butene	0.06	0.06	ND	0.06	0.07	ND	ND	
n-Pentane	0.41	0.44	0.29	0.56	2.98	0.08	0.21	
Isoprene	0.16	0.21	0.07	0.14	0.25	ND	0.07	
trans-2-Pentene	0.11	0.09	0.06	0.09	0.16	ND	0.10	
cis-2-Pentene	0.10	0.09	0.09	0.10	0.16	ND	0.10	
2-Methyl-2-butene	0.08	0.05	ND	0.06	0.09	ND	ND	
2,2-Dimethylbutane	0.16	0.15	0.11	0.23	0.29	ND	ND	
Cyclopentene	ND	0.07	ND	0.06	ND	ND	ND	
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND	
Cyclopentane	0.17	0.10	0.11	0.14	0.27	ND	0.12	
2,3-Dimethylbutane	0.29	0.17	0.15	0.40	0.27	0.04	0.15	
2-Methylpentane	1.08	0.31	0.35	2.01	0.41	0.07	0.15	
3-Methylpentane	0.82	0.43	0.35	1.47	0.60	0.06	0.15	
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND	
1-Hexene	0.11	0.11	0.08	0.10	ND	ND	0.13	
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND	
n-Hexane	0.20	0.20	0.16	0.20	0.52	0.04	0.12	
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND	
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND	
Methylcyclopentane	0.15	0.14	0.10	0.18	0.32	0.03	0.09	
2,4-Dimethylpentane	0.09	0.10	0.07	0.11	0.11	ND	0.09	
Benzene	0.23	0.26	0.20	0.31	0.85	0.12	0.24	
Cyclohexane	0.18	0.13	0.10	0.15	2.36	0.03	0.13	
2-Methylhexane	0.38	0.20	0.09	0.07	0.91	ND	ND	
2,3-Dimethylpentane	0.23	0.17	0.08	0.17	1.52	0.02	U	0.23
3-Methylhexane	0.14	0.20	0.19	0.14	2.11	0.07	0.11	
1-Heptene	0.04	ND	ND	ND	0.34	ND	ND	
2,2,4-Trimethylpentane	0.14	0.14	0.05	0.16	0.16	0.03	0.11	
n-Heptane	0.45	0.09	0.08	0.10	0.39	0.07	0.11	
Methylcyclohexane	0.23	0.08	0.05	0.08	0.41	ND	0.10	
2,2,3-Trimethylpentane	0.06	ND	ND	ND	0.03	ND	ND	
2,3,4-Trimethylpentane	0.07	0.08	0.05	0.06	0.09	ND	0.04	
Toluene	1.09	0.41	0.46	0.67	7.88	0.20	0.38	
2-Methylheptane	0.15	0.11	0.07	0.07	0.09	ND	0.04	
3-Methylheptane	0.16	0.07	0.05	0.06	0.10	ND	0.04	
1-Octene	ND	ND	ND	ND	ND	ND	ND	
n-Octane	0.38	0.08	0.06	0.07	0.15	ND	0.06	
Ethylbenzene	0.11	0.09	0.04	0.08	0.23	ND	0.05	
m-Xylene/p-Xylene	0.39	0.19	0.07	0.19	0.44	0.04	0.12	
Styrene	0.07	0.11	0.09	0.09	0.05	ND	0.03	
o-Xylene	0.13	0.09	0.04	0.10	0.17	0.02	0.07	
1-Nonene	0.02	U	ND	ND	ND	ND	ND	
n-Nonane	0.19	0.06	0.04	0.05	0.10	ND	0.04	
Isopropylbenzene	0.08	0.05	0.04	0.08	0.06	ND	0.07	
a-Pinene	0.05	0.06	0.03	U	ND	ND	ND	
n-Propylbenzene	0.04	0.04	0.03	U	0.05	ND	0.03	U
m-Ethyltoluene	0.07	0.06	0.03	0.07	0.09	ND	0.05	
p-Ethyltoluene	0.04	0.04	0.05	0.05	0.06	ND	0.03	U
1,3,5-Trimethylbenzene	0.06	0.05	0.03	0.07	0.07	ND	0.03	
o-Ethyltoluene	0.05	0.05	0.05	0.05	0.09	ND	0.04	
b-Pinene	ND	ND	ND	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	0.11	0.09	0.07	0.10	0.13	ND	0.05	
1-Decene	ND	ND	ND	ND	ND	ND	ND	
n-Decane	0.16	0.16	ND	ND	0.43	ND	0.05	
1,2,3-Trimethylbenzene	0.03	0.03	0.03	0.03	0.04	ND	ND	
m-Diethylbenzene	0.02	U	0.08	ND	0.04	U	ND	
p-Diethylbenzene	ND	ND	ND	0.02	ND	ND	ND	
1-Undecene	ND	ND	ND	ND	ND	ND	ND	
n-Undecane	0.06	0.04	0.04	0.04	0.52	0.04	0.05	
1-Dodecene	ND	ND	ND	ND	ND	ND	ND	
n-Dodecane	0.04	U	0.02	U	0.04	U	ND	
1-Tridecene	ND	ND	ND	ND	ND	ND	ND	
n-Tridecane	ND	ND	ND	ND	0.12	ND	ND	
TNMOC (speciated) in ppbv	21.10	18.91	12.35	24.54	126.27	5.32	13.12	
TNMOC (w/ unknowns) in ppbC	142.89	125.80	71.36	138.06	643.90	28.55	69.02	

NR Not reportable due to sampler contamination.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Cedar Rapids, Iowa Site 2 (C2IA) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ppbV)

Sample No.:	C2IA 30349 D2	C2IA 30349 R2	C2IA 30454	C2IA 30541	C2IA 30583 D1	C2IA 30583 R1	C2IA 30585 D2
Sampling Date:	10/23/2002	10/23/2002	10/29/2002	11/4/2002	11/10/2002	11/10/2002	11/10/2002
Analysis Date:	11/23/2002	11/30/2002	11/26/2002	12/4/2002	12/14/2002	12/17/2002	12/14/2002
Filename:	L2KV023	L2K#020	L2KZ005	L2LC019	N2LM014	N2LP015	N2LM015
Ethylene	0.64	1.42	1.67	2.51 #	1.19	1.49	1.13
Acetylene	0.46	0.70	0.97	1.60	0.66	0.93	0.65
Ethane	2.01	3.32	4.15	6.68	4.59	5.02	4.54
Propylene	0.18	0.49	0.44	0.69	0.29	0.51	0.26
Propane	0.82	1.77	1.84	4.03	3.84	4.15	3.71
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.15	0.41	0.45	0.84	0.48	0.64	0.49
Isobutene/1-Butene	0.18	0.49	0.25	0.44	0.57	0.78	0.65
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND
n-Butane	0.31	0.74	1.01	1.84	1.12	1.35	1.12
trans-2-Butene	ND	0.17	ND	0.14	0.03 U	0.17	0.03 U
cis-2-Butene	ND	0.18	0.06	0.21	ND	0.24	ND
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	0.22	0.57	0.82	1.21	0.64	0.92	0.70
1-Pentene	ND	0.11	ND	0.16	ND	0.16	ND
2-Methyl-1-butene	ND	ND	ND	0.07	ND	0.02 U	ND
n-Pentane	0.08	0.26	0.26	0.60	0.38	0.49	0.37
Isoprene	ND	0.10	ND	0.09	0.03	0.21	0.03
trans-2-Pentene	ND	0.11	ND	0.16	0.03 U	0.15	0.04
cis-2-Pentene	ND	0.13	0.06	0.14	0.04 U	0.23	0.03 U
2-Methyl-2-butene	ND	ND	ND	0.06	ND	ND	ND
2,2-Dimethylbutane	ND	ND	ND	0.21	0.05	0.22	0.04
Cyclopentene	ND	ND	ND	0.05 U	ND	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	ND	0.12	ND	0.18	0.04	0.16	0.04
2,3-Dimethylbutane	0.03	0.24	0.22	0.28	0.06	0.30	0.07
2-Methylpentane	0.05	0.15	0.17	0.49	0.14	0.22	0.14
3-Methylpentane	0.05	0.20	0.15	0.39	0.39	0.25	0.15
2-Methyl-1-pentene	ND	ND	ND	ND	0.10	ND	ND
1-Hexene	ND	0.19	0.05	0.16	0.26	0.53	0.21
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.04	0.15	0.15	0.30	0.14	0.29	0.15
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.03	0.14	0.12	0.21	0.08	0.20	0.09
2,4-Dimethylpentane	ND	0.15	0.07	0.15	0.04	0.18	0.04
Benzene	0.16	0.24	0.22	0.51	0.25	0.39	0.24
Cyclohexane	ND	0.22	0.10	0.33	0.05	0.23	0.05
2-Methylhexane	ND	ND	ND	0.07	0.07	0.21	0.02 U
2,3-Dimethylpentane	ND	0.31	0.19	0.27	0.09	0.25	0.03 U
3-Methylhexane	ND	0.18	0.15	0.13	0.14	0.26	0.10
1-Heptene	ND	ND	ND	ND	0.02 U	0.03 U	0.03 U
2,2,4-Trimethylpentane	0.04	0.15	0.13	0.22	0.05	0.16	0.05
n-Heptane	0.06	0.10	0.09	0.14	0.06	0.16	0.06
Methylcyclohexane	ND	0.13	0.09	0.16	0.04	0.16	0.03
2,2,3-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND
2,3,4-Trimethylpentane	ND	0.10	0.07	0.09	0.04	0.11	0.02 U
Toluene	0.27	0.45	0.68	0.63	0.21	0.40	0.20
2-Methylheptane	ND	0.08	0.04	0.09	ND	0.10	0.02 U
3-Methylheptane	ND	0.08	0.06	0.08	0.09	0.18	0.02 U
1-Octene	ND	ND	ND	ND	ND	ND	ND
n-Octane	0.02	0.11	0.08	0.10	0.04	0.13	0.05
Ethylbenzene	ND	0.08	0.18	0.18	0.05	0.10	0.03
m-Xylene/p-Xylene	0.04	0.17	0.45	0.29	0.19	0.30	0.10
Styrene	ND	ND	0.12	0.04	0.03	0.13	0.03
o-Xylene	ND	0.11	0.19	0.12	0.03	0.14	0.04
1-Nonene	ND	ND	ND	0.03 U	0.02 U	ND	0.01 U
n-Nonane	ND	0.09	0.17	0.08	0.02	0.09	0.03
Isopropylbenzene	ND	0.11	0.04	0.07	ND	0.10	ND
a-Pinene	ND	ND	0.05	ND	ND	ND	ND
n-Propylbenzene	ND	0.07	0.04	0.05	0.02 U	0.10	0.02 U
m-Ethyltoluene	ND	0.07	0.13	0.09	0.03	0.10	0.04
p-Ethyltoluene	ND	0.09	0.12	0.09	0.03 U	0.11	0.03 U
1,3,5-Trimethylbenzene	ND	0.07	0.15	0.06	0.02 U	0.07	0.02 U
o-Ethyltoluene	ND	0.08	0.15	0.06	0.02 U	0.10	0.02 U
b-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.02	0.11	0.19	0.13	0.06	0.15	0.05
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	ND	0.09	0.33	0.11	0.03	0.09	0.03
1,2,3-Trimethylbenzene	0.03	0.05	0.19	0.05	0.02	0.06	0.01 U
m-Diethylbenzene	ND	0.05	ND	0.04	0.01 U	0.07	0.01 U
p-Diethylbenzene	ND	ND	ND	0.02	0.01 U	0.04	ND
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	ND	0.05	0.13	0.13	0.04	0.05	0.04
1-Dodecene	ND	ND	ND	ND	ND	ND	ND
n-Dodecane	ND	0.04 U	0.16	0.12	0.01 U	0.02 U	0.01 U
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	ND	ND	ND	ND
TNMOC (speciated) in ppbv	5.89	15.81	17.61	28.43	16.96	24.38	16.10
TNMOC (w/ unknowns) in ppbC	32.94	99.93	125.15	143.87	144.15	180.85	138.40

NR Not reportable due to sampler contamination.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Cedar Rapids, Iowa Site 2 (C2IA) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ppbV)

Sample No.:	C2IA 30585 R2	C2IA 30759	C2IA 30817	C2IA 30877	C2IA 30932	C2IA 31026	C2IA 31130
Sampling Date:	11/10/2002	11/16/2002	11/22/2002	11/28/2003	12/4/2002	12/10/2002	12/16/2002
Analysis Date:	12/17/2002	12/16/2002	12/18/2002	12/19/2002	12/23/2002	1/8/2003	1/11/2003
Filename:	N2LP016	N2LO016	N2LQ016	N2LR019	N2LW007	L3AH006	N3AJ013
Ethylene	1.42	1.60	1.12	0.91	2.55	3.20	1.89
Acetylene	0.87	0.29	0.67	0.98	1.14	2.03	0.67
Ethane	4.86	2.50	2.30	3.15	3.23	4.97	3.14
Propylene	0.46	0.46	0.22	0.21	0.42	0.83	0.68
Propane	4.08	1.73	1.46	2.29	1.92	3.39	1.88
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.63	0.23	0.26	0.37	0.70	0.60	0.42
Isobutene/1-Butene	0.86	0.37	0.37	0.22	0.26	1.76	1.56
1,3-Butadiene	ND	ND	0.02	U	0.03	U	ND
n-Butane	1.35	0.73	0.77	1.16	0.99	2.13	1.07
trans-2-Butene	0.18	0.04	U	ND	ND	0.06	0.03
cis-2-Butene	0.22	0.03	U	ND	ND	0.13	0.05
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	1.08	0.53	0.60	0.53	0.51	1.13	0.53
1-Pentene	0.16	0.04	U	ND	0.04	U	0.10
2-Methyl-1-butene	ND	0.03	U	0.03	U	0.02	U
n-Pentane	0.47	0.23	0.21	0.29	0.25	0.54	0.27
Isoprene	0.19	0.03	ND	ND	ND	0.10	ND
trans-2-Pentene	0.18	0.03	0.02	U	0.02	U	0.06
cis-2-Pentene	0.20	0.04	U	0.02	U	ND	ND
2-Methyl-2-butene	ND	0.02	U	0.02	U	0.04	U
2,2-Dimethylbutane	0.21	0.04	0.02	U	0.02	0.03	0.05
Cyclopentene	ND	0.03	U	ND	0.03	U	0.06
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.15	0.04	ND	0.02	U	0.03	U
2,3-Dimethylbutane	0.32	0.06	0.04	0.04	0.07	0.11	0.05
2-Methylpentane	0.23	0.10	0.19	0.12	0.15	0.63	1.18
3-Methylpentane	0.31	0.06	0.19	0.10	0.09	1.05	0.51
2-Methyl-1-pentene	ND	ND	ND	ND	ND	0.05	ND
1-Hexene	0.38	0.33	0.02	U	ND	0.03	U
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.26	0.08	0.27	0.13	0.15	0.46	0.20
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	0.06
Methylcyclopentane	0.20	0.06	0.10	0.05	0.06	0.21	0.48
2,4-Dimethylpentane	0.19	0.03	U	0.01	U	0.03	U
Benzene	0.36	0.29	0.23	0.20	0.31	0.47	0.21
Cyclohexane	0.23	0.05	0.02	U	0.03	0.03	0.05
2-Methylhexane	0.21	0.05	0.07	0.09	0.12	0.26	1.43
2,3-Dimethylpentane	0.27	0.05	0.02	U	0.03	U	0.07
3-Methylhexane	0.23	0.07	0.06	0.03	0.05	1.65	3.58
1-Heptene	0.05	0.04	0.02	U	0.01	U	0.02
2,2,4-Trimethylpentane	0.15	0.07	0.05	0.05	0.07	0.21	0.16
n-Heptane	0.15	0.05	0.05	0.04	0.06	0.23	0.04
Methylcyclohexane	0.16	0.02	0.02	0.02	U	0.04	0.29
2,2,3-Trimethylpentane	ND	ND	ND	0.01	U	ND	0.04
2,3,4-Trimethylpentane	0.11	0.03	0.01	U	0.02	U	0.04
Toluene	0.41	0.24	0.24	0.24	0.39	0.71	0.11
2-Methylheptane	0.10	0.02	U	0.01	U	ND	0.02
3-Methylheptane	0.10	0.15	0.04	0.01	U	0.02	U
1-Octene	ND	ND	ND	0.02	U	ND	ND
n-Octane	0.14	0.05	0.02	0.03	0.03	0.07	0.07
Ethylbenzene	0.10	0.05	0.04	0.03	0.06	0.12	0.02
m-Xylene/p-Xylene	0.21	0.14	0.10	0.09	0.17	0.42	0.34
Styrene	0.10	0.02	0.01	0.01	0.02	ND	1.60
o-Xylene	0.11	0.04	0.04	0.03	0.10	0.09	0.04
1-Nonene	0.01	U	0.02	U	ND	0.02	U
n-Nonane	0.09	0.03	0.02	0.01	U	0.02	0.04
Isopropylbenzene	0.10	ND	ND	ND	ND	ND	0.04
a-Pinene	ND	ND	ND	ND	ND	0.60	ND
n-Propylbenzene	0.10	0.03	0.01	U	ND	0.01	U
m-Ethyltoluene	0.09	0.04	0.04	0.03	0.04	0.07	0.04
p-Ethyltoluene	0.11	0.06	0.02	U	0.01	U	0.02
1,3,5-Trimethylbenzene	0.07	0.02	U	0.01	U	0.02	U
o-Ethyltoluene	0.09	0.03	U	0.01	U	0.01	U
b-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.14	0.10	0.06	0.03	0.12	0.11	0.08
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.08	0.03	0.02	U	0.02	0.02	0.05
1,2,3-Trimethylbenzene	0.06	0.02	ND	ND	0.01	U	0.03
m-Diethylbenzene	0.08	0.01	U	ND	ND	ND	ND
p-Diethylbenzene	0.05	ND	ND	ND	ND	ND	ND
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.07	0.04	0.02	U	0.01	U	0.04
1-Dodecene	ND	ND	ND	ND	ND	0.03	U
n-Dodecane	0.02	U	0.03	U	ND	0.03	U
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	ND	ND	ND	ND
TNMOC (speciated) in ppbv	23.80	11.62	10.21	11.82	14.74	30.91	23.92
TNMOC (w/ unknowns) in ppbC	169.90	146.00	110.46	58.23	81.20	309.52	374.99

NR Not reportable due to sampler contamination.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Cedar Rapids, Iowa Site 2 (C2IA) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbV)

Sample No.:	C2IA 31314	C2IA 31407	
Sampling Date:	12/22/2002	12/28/2002	
Analysis Date:	1/13/2003	1/14/2003	
Filename:	L3AM009	L2AM016	
Ethylene	0.59	1.70	
Acetylene	0.52	2.07	
Ethane	3.58	11.35	
Propylene	0.23	0.42	
Propane	2.20	6.63	
Propyne	ND	ND	
Isobutane	0.32	6.35	
Isobutene/1-Butene	0.25	0.30	
1,3-Butadiene	ND	ND	
n-Butane	0.72	3.51	
trans-2-Butene	ND	ND	
cis-2-Butene	ND	ND	
3-Methyl-1-butene	ND	ND	
Isopentane	0.46	1.88	
1-Pentene	ND	0.03	U
2-Methyl-1-butene	ND	0.05	U
n-Pentane	0.22	1.11	
Isoprene	ND	0.04	
trans-2-Pentene	ND	0.04	
cis-2-Pentene	ND	ND	
2-Methyl-2-butene	ND	0.06	
2,2-Dimethylbutane	ND	0.06	
Cyclopentene	ND	ND	
4-Methyl-1-pentene	ND	ND	
Cyclopentane	0.06	0.14	
2,3-Dimethylbutane	ND	0.11	
2-Methylpentane	0.07	0.59	
3-Methylpentane	0.20	0.52	
2-Methyl-1-pentene	ND	ND	
1-Hexene	ND	ND	
2-Ethyl-1-butene	ND	ND	
n-Hexane	0.09	0.72	
trans-2-Hexene	ND	ND	
cis-2-Hexene	ND	ND	
Methylcyclopentane	0.04	0.27	
2,4-Dimethylpentane	ND	0.04	
Benzene	0.17	0.86	
Cyclohexane	0.07	0.93	
2-Methylhexane	ND	0.10	
2,3-Dimethylpentane	ND	0.09	
3-Methylhexane	0.10	0.16	
1-Heptene	ND	0.04	
2,2,4-Trimethylpentane	ND	0.08	
n-Heptane	0.04	0.14	
Methylcyclohexane	ND	0.14	
2,2,3-Trimethylpentane	ND	ND	
2,3,4-Trimethylpentane	ND	0.04	
Toluene	0.13	0.90	
2-Methylheptane	ND	0.02	U
3-Methylheptane	ND	ND	
1-Octene	ND	ND	
n-Octane	ND	0.05	
Ethylbenzene	0.03	0.25	
m-Xylene/p-Xylene	0.05	0.59	
Styrene	ND	0.03	
o-Xylene	ND	0.32	
1-Nonene	ND	ND	
n-Nonane	ND	0.03	
Isopropylbenzene	ND	ND	
a-Pinene	ND	ND	
n-Propylbenzene	ND	0.02	U
m-Ethyltoluene	ND	0.05	
p-Ethyltoluene	ND	0.02	U
1,3,5-Trimethylbenzene	ND	0.03	
o-Ethyltoluene	ND	0.02	U
b-Pinene	ND	ND	
1,2,4-Trimethylbenzene	ND	0.06	
1-Decene	ND	ND	
n-Decane	ND	0.06	
1,2,3-Trimethylbenzene	ND	ND	
m-Diethylbenzene	ND	ND	
p-Diethylbenzene	ND	ND	
1-Undecene	ND	ND	
n-Undecane	ND	0.04	
1-Dodecene	ND	ND	
n-Dodecane	ND	0.03	U
1-Tridecene	ND	ND	
n-Tridecane	ND	ND	
TNMOC (speciated) in ppbv	10.13	43.09	
TNMOC (w/ unknowns) in ppbC	69.29	202.87	

NR Not reportable due to sampler contamination.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Cedar Rapids, Iowa Site 2 (C2IA) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ug/m³)

Sample No.:	C2IA 24867	C2IA 25116	C2IA 25231	C2IA 25426 D1	C2IA 25426 R1	C2IA 25428 D2	C2IA 25428 R2				
Sampling Date:	1/2/2002	1/14/2002	1/20/2002	1/26/2002	1/26/2002	1/26/2002	1/26/2002				
Analysis Date:	1/25/2002	1/26/2002	1/29/2002	2/26/2002	2/27/2002	2/26/2002	2/27/2002				
Filename:	L2AX 017	L2AY016	L2A#005	L2BZ009	L2B--004	L2BZ010	L2B--005				
Ethylene	2.04	1.19	1.71	2.71	2.66	2.46	2.48				
Acetylene	1.12	0.83	1.14	1.69	1.57	1.49	1.49				
Ethane	3.80	4.30	7.34	10.22	10.25	9.21	9.39				
Propylene	0.83	0.66	0.81	1.74	1.71	1.57	1.53				
Propane	3.45	3.51	4.43	9.47	9.55	8.28	8.44				
Propyne	ND	ND	ND	ND	ND	ND	ND				
Isobutane	0.91	1.01	1.20	2.54	2.70	2.15	2.20				
Isobutene/1-Butene	0.43	0.55	0.46	0.85	0.91	0.77	0.83				
1,3-Butadiene	ND	ND	ND	0.15	0.15	0.15	0.15				
n-Butane	2.54	2.30	3.05	6.06	6.41	5.21	5.49				
trans-2-Butene	0.14	0.12	0.13	0.21	0.20	0.19	0.17				
cis-2-Butene	0.21	0.17	0.20	0.26	0.31	0.26	0.26				
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND				
Isopentane	1.81	1.83	2.30	3.52	3.60	3.20	3.15				
1-Pentene	0.16	0.12	0.15	0.23	0.25	0.22	0.23				
2-Methyl-1-butene	0.87	ND	ND	0.13	U	0.14	ND	U			
n-Pentane	0.89	1.30	1.72	5.77	5.75	5.97	6.17				
Isoprene	0.17	0.15	0.17	0.23	0.27	0.23	0.21				
trans-2-Pentene	0.16	0.13	0.16	0.23	0.23	0.22	0.22				
cis-2-Pentene	0.17	0.17	0.18	0.23	0.23	0.20	0.22				
2-Methyl-2-butene	0.09	U	ND	0.16	0.22	0.26	0.28				
2,2-Dimethylbutane	0.29	0.40	0.49	0.77	0.81	0.75	0.81				
Cyclopentene	0.17	ND	ND	0.12	U	0.12	U	0.09	U		
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND	ND			
Cyclopentane	0.10	0.25	0.25	0.36	0.34	0.31	0.39				
2,3-Dimethylbutane	0.36	0.47	0.71	1.15	1.16	1.12	1.14				
2-Methylpentane	0.73	1.61	3.01	5.56	5.58	5.65	5.84				
3-Methylpentane	0.49	0.76	1.45	2.65	2.63	2.45	2.63				
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND				
1-Hexene	0.33	0.27	0.26	0.39	0.42	0.39	0.38				
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND				
n-Hexane	0.56	0.51	0.64	1.38	1.40	1.20	1.24				
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND				
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND				
Methylcyclopentane	0.31	0.32	0.33	0.72	0.78	0.72	0.73				
2,4-Dimethylpentane	0.23	0.20	0.21	0.42	0.46	0.36	0.41				
Benzene	0.93	0.65	0.76	1.37	1.36	1.15	1.22				
Cyclohexane	0.32	0.33	0.35	0.72	0.71	0.72	0.67				
2-Methylhexane	0.73	0.60	0.61	1.02	0.98	1.03	1.01				
2,3-Dimethylpentane	0.55	0.54	0.55	0.80	0.84	0.76	0.73				
3-Methylhexane	0.49	0.30	0.48	0.59	0.59	0.54	0.55				
1-Heptene	ND	ND	ND	ND	ND	ND	ND				
2,2,4-Trimethylpentane	0.43	0.26	0.39	1.13	1.16	1.02	1.04				
n-Heptane	0.27	0.22	0.26	0.58	0.60	0.55	0.53				
Methylcyclohexane	0.28	0.30	0.28	0.62	0.63	0.62	0.53				
2,2,3-Trimethylpentane	ND	ND	ND	0.15	0.13	U	ND	0.11	U		
2,3,4-Trimethylpentane	0.10	U	0.16	0.19	0.38	0.37	0.34	0.35			
Toluene	1.06	0.75	0.98	1.99	2.16	1.87	2.00				
2-Methylheptane	0.19	0.16	0.14	U	0.16	0.15	0.17	0.15			
3-Methylheptane	0.16	0.12	0.14	0.23	0.20	0.17	0.18				
1-Octene	0.16	ND	ND	ND	ND	ND	0.10	U			
n-Octane	0.33	0.17	0.18	0.31	0.33	0.32	0.30				
Ethylbenzene	0.28	0.20	0.24	0.33	0.39	0.30	0.35				
m-Xylene/p-Xylene	1.00	0.57	0.59	1.07	1.30	0.59	0.74				
Styrene	ND	ND	ND	0.10	0.18	0.30	0.34				
o-Xylene	0.38	0.33	0.22	0.52	0.57	0.50	0.55				
1-Nonene	ND	ND	ND	ND	ND	ND	ND				
n-Nonane	0.22	0.16	0.17	0.22	0.22	0.21	0.21				
Isopropylbenzene	ND	0.16	U	0.14	U	0.13	U	0.12	U		
a-Pinene	ND	ND	ND	0.11	U	0.17	U	0.16	U		
n-Propylbenzene	0.11	U	0.09	U	0.12	U	0.15	U	0.11	U	
m-Ethyltoluene	0.19	0.17	0.17	0.21	0.22	0.17	0.22				
p-Ethyltoluene	0.14	U	0.16	U	0.16	U	0.15	U	0.18	U	
1,3,5-Trimethylbenzene	0.08	U	ND	0.09	U	0.10	U	0.13	0.14		
o-Ethyltoluene	0.15	U	ND	0.11	U	0.10	U	0.10	U		
b-Pinene	ND	ND	ND	ND	ND	ND	ND	ND			
1,2,4-Trimethylbenzene	0.27	0.24	0.21	0.36	0.33	0.28	0.32				
1-Decene	ND	ND	ND	ND	ND	ND	ND				
n-Decane	0.17	0.24	0.26	0.34	0.28	0.25	0.30				
1,2,3-Trimethylbenzene	2.46	0.11	0.10	0.11	0.10	0.11	0.11				
m-Diethylbenzene	ND	0.13	U	ND	0.14	U	0.15	U	0.23	0.27	
p-Diethylbenzene	0.10	0.15	ND	ND	0.12	0.09	0.09	0.12			
1-Undecene	ND	ND	ND	ND	ND	ND	ND	ND			
n-Undecane	0.20	0.91	0.56	0.75	0.78	0.70	0.60				
1-Dodecene	ND	ND	ND	ND	ND	ND	ND	ND			
n-Dodecane	0.12	U	0.87	0.35	U	0.68	0.57	0.53			
1-Tridecene	ND	ND	ND	ND	ND	ND	ND	ND			
n-Tridecane	ND	ND	ND	0.16	U	0.12	U	0.14	U	0.11	U
TNMOC (speciated) in ug/m³	35.23	32.19	41.24	75.91	77.24	69.43	71.74				
TNMOC (w/ unknowns) in ppbC	88.69	93.57	105.09	191.05	194.17	178.34	186.39				

NR Not reportable due to sampler contamination.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Cedar Rapids, Iowa Site 2 (C2IA) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ug/m³)

Sample No.:	C2IA 25531		C2IA 25634		C2IA 25725		C2IA 25867		C2IA 25985 D1		C2IA 25985 R1		C2IA 25987 D2	
Sampling Date:	2/1/2002		2/7/2002		2/13/2002		2/19/2002		2/25/2002		2/25/2002		2/25/2002	
Analysis Date:	2/27/2002		2/28/2002		3/1/2002		3/5/2002		3/6/2002		3/6/2002		3/6/2002	
Filename:	L2BZ025		L2B1008		L2B1013		L2CE010		L2CE019		L2CF006		L2CE020	
Ethylene	1.63		1.98		1.39		2.28		1.13		1.18		1.00	
Acetylene	1.13		1.04		0.98		1.41		0.91		0.94		0.81	
Ethane	4.19		7.66		4.55		5.83		3.80		3.89		3.78	
Propylene	0.77		1.40		0.91		1.79		0.61		0.65		0.59	
Propane	4.01		7.14		4.03		4.95		3.06		3.11		3.00	
Propyne	ND		ND		ND		ND		ND		ND		ND	
Isobutane	0.88		1.43		0.88		1.20		0.71		0.72		0.70	
Isobutene/1-Butene	0.64		0.69		0.50		1.05		0.66		0.62		0.72	
1,3-Butadiene	0.11	U	0.09	U	ND		0.10	U	ND		ND		ND	
n-Butane	2.42		3.85		2.03		3.69		1.69		1.69		1.55	
trans-2-Butene	0.16		0.15		0.17		0.20		0.16		0.15		0.16	
cis-2-Butene	0.18		0.23		0.21		0.25		0.24		0.21		0.21	
3-Methyl-1-butene	ND		ND		ND		ND		ND		ND		ND	
Isopentane	1.48		2.18		1.24		0.97		0.89		0.88		0.89	
1-Pentene	0.20		0.14		0.15		0.28		0.17		0.18		0.15	
2-Methyl-1-butene	ND		ND		ND		0.11	U	ND		ND		ND	
n-Pentane	0.82		1.46		0.85		1.27		0.63		0.65		0.62	
Isoprene	0.19		0.18		0.29		0.15		0.14		0.12		0.17	
trans-2-Pentene	0.15		0.19		0.14		0.27		0.16		0.15		0.15	
cis-2-Pentene	0.21		0.20		0.18		0.26		0.24		0.22		0.21	
2-Methyl-2-butene	0.09	U	0.10	U	0.18		0.11	U	0.11	U	0.26		0.26	
2,2-Dimethylbutane	0.31		0.39		0.35		0.86		0.37		0.34		0.33	
Cyclopentene	0.09	U	ND		ND		ND		ND		ND		ND	
4-Methyl-1-pentene	ND		ND		ND		ND		ND		ND		ND	
Cyclopentane	0.20		0.24		0.27		0.31		0.20		0.17		0.20	
2,3-Dimethylbutane	0.38		0.40		0.35		0.99		0.35		0.34		0.34	
2-Methylpentane	1.02		1.43		0.90		5.03		0.88		0.93		1.01	
3-Methylpentane	0.51		0.61		0.42		2.03		0.41		0.40		0.39	
2-Methyl-1-pentene	ND		ND		ND		ND		ND		ND		ND	
1-Hexene	0.35		0.33		0.32		0.41		0.33		0.34		0.33	
2-Ethyl-1-butene	ND		ND		ND		ND		ND		ND		ND	
n-Hexane	0.53		0.76		0.47		0.79		0.39		0.47		0.35	
trans-2-Hexene	ND		ND		ND		ND		ND		ND		ND	
cis-2-Hexene	ND		ND		ND		ND		ND		ND		ND	
Methylcyclopentane	0.34		0.41		0.36		0.46		0.26		0.30		0.30	
2,4-Dimethylpentane	0.27		0.27		0.20		0.28		0.27		0.21		0.27	
Benzene	1.21		0.95		0.90		1.22		0.78		0.78		0.80	
Cyclohexane	0.30		0.39		0.30		0.39		0.31		0.32		0.31	
2-Methylhexane	0.42		0.71		0.85		0.94		0.76		0.81		0.68	
2,3-Dimethylpentane	0.45		0.48		0.45		0.51		0.51		0.47		0.46	
3-Methylhexane	0.27		0.22		0.26		0.44		0.26		0.20		0.21	
1-Heptene	0.13	U	0.10	U	ND		0.12	U	ND		ND		ND	
2,2,4-Trimethylpentane	0.44		0.37		0.40		0.57		0.38		0.38		0.31	
n-Heptane	0.27		0.35		0.25		0.40		0.26		0.27		0.24	
Methylcyclohexane	0.31		0.37		0.29		0.36		0.30		0.27		0.29	
2,2,3-Trimethylpentane	ND		ND		ND		ND		ND		ND		ND	
2,3,4-Trimethylpentane	0.25		0.21		0.19		0.23		0.17		0.18		0.17	
Toluene	0.97		1.06		0.70		1.57		0.69		0.72		0.59	
2-Methylheptane	0.12	U	0.14	U	0.14	U	0.16		0.15		0.13	U	0.15	
3-Methylheptane	0.17		0.16		0.14		0.19		0.15		0.16		0.14	
1-Octene	ND		0.11	U	ND		ND		ND		ND		ND	
n-Octane	0.22		0.24		0.21		0.26		0.22		0.19		0.18	
Ethylbenzene	0.30		0.32		0.20		0.42		0.18		0.14		0.13	
m-Xylene/p-Xylene	1.13		0.81		0.76		1.41		0.46		0.40		0.54	
Styrene	0.37		0.22		0.16		0.37		ND		ND		0.08	
o-Xylene	0.29		0.51		0.46		0.77		0.24		0.25		0.18	
1-Nonene	ND		ND		ND		ND		ND		ND		ND	
n-Nonane	0.17		0.18		0.18		0.23		0.13		0.13		0.14	
Isopropylbenzene	0.09	U	0.15	U	0.17		0.17		0.15	U	0.10	U	0.14	U
a-Pinene	ND		ND		ND		ND		ND		ND		ND	
n-Propylbenzene	0.09	U	0.11	U	ND		0.12	U	0.09	U	0.10	U	0.10	U
m-Ethyltoluene	0.17		0.18		0.13		0.32		0.10		0.13		0.13	
p-Ethyltoluene	0.15	U	0.13	U	0.13	U	0.22		0.12	U	0.10	U	0.10	U
1,3,5-Trimethylbenzene	0.09	U	0.09	U	ND		0.16		ND		ND		ND	
o-Ethyltoluene	ND		ND		ND		ND		ND		0.09	U	0.10	U
b-Pinene	ND		ND		ND		ND		ND		ND		ND	
1,2,4-Trimethylbenzene	0.20		0.08	U	0.15		0.31		0.16		0.15		0.13	
1-Decene	ND		ND		ND		ND		ND		ND		ND	
n-Decane	0.15		0.25		0.18		0.20		0.11	U	0.13		0.09	U
1,2,3-Trimethylbenzene	0.09		ND		0.55		ND		ND		ND		ND	
m-Diethylbenzene	0.26		0.16	U	0.18		0.19		0.09	U	0.17		0.08	U
p-Diethylbenzene	0.17		0.10		0.16		0.22		0.08		0.08		0.08	
1-Undecene	ND		ND		ND		ND		ND		ND		ND	
n-Undecane	0.58		1.08		0.31		0.66		0.22		0.22		0.20	
1-Dodecene	ND		ND		ND		ND		ND		ND		ND	
n-Dodecane	0.42	U	0.97		0.35	U	0.60		0.50		0.33	U	0.52	
1-Tridecene	ND		ND		ND		ND		ND		ND		ND	
n-Tridecane	0.13	U	0.22	U	0.17	U	0.29	U	ND		0.09	U	0.14	U
TNMOC (speciated) in ug/m ³	33.66		46.36		31.65		51.34		26.34		26.62		25.91	
TNMOC (w/ unknowns) in ppbC	127.33		146.53		109.53		148.67		84.24		83.36		88.45	

NR Not reportable due to sampler contamination.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Cedar Rapids, Iowa Site 2 (C2IA) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ug/m³)

Sample No.:	C2IA 25987 R2	C2IA 26151	C2IA 26332	C2IA 26335	C2IA 26395	C2IA 26502	C2IA 26640			
Sampling Date:	2/25/2002	3/3/2002	3/9/2002	3/15/2002	3/21/2002	3/27/2002	4/2/2002			
Analysis Date:	3/6/2002		3/25/2002	3/25/2002	3/28/2002	4/5/2002	4/11/2002			
Filename:	L2CF007		L2CY004	L2CY005	L2C-011	L2DE009	L2DK004			
Ethylene	1.02		1.09	2.25	0.44	2.46	0.39			
Acetylene	0.78		0.77	0.74	0.72	1.32	0.79			
Ethane	3.77		4.26	3.88	3.83	5.25	3.91			
Propylene	0.63		0.68	1.31	0.58	1.80	0.89			
Propane	2.98		3.82	3.05	2.77	4.26	3.02			
Propyne	ND		ND	ND	ND	ND	ND			
Isobutane	0.69		0.88	0.88	0.72	0.93	0.59			
Isobutene/1-Butene	0.71		0.67	0.77	0.45	0.88	0.88			
1,3-Butadiene	ND		ND	ND	ND	0.09	U	ND		
n-Butane	1.57		2.18	1.51	1.43	2.72		1.56		
trans-2-Butene	0.15		0.13	0.13	0.13	0.19		0.13		
cis-2-Butene	0.23		0.18	0.17	0.17	0.25		0.23		
3-Methyl-1-butene	ND		ND	ND	ND	ND		ND		
Isopentane	0.81		1.32	0.77	1.22	2.00		1.03		
1-Pentene	0.16		0.16	0.32	0.14	0.21		0.18		
2-Methyl-1-butene	ND		0.12	U	ND	0.13	U	ND		
n-Pentane	0.63		0.83	0.61	1.05	1.14		0.61		
Isoprene	0.14		0.15	0.12	0.11	0.18		0.15		
trans-2-Pentene	0.13		0.16	0.14	0.15	0.24		0.13		
cis-2-Pentene	0.21		0.19	0.16	0.19	0.23		0.19		
2-Methyl-2-butene	0.24		0.37	0.16	ND	0.11	U	ND		
2,2-Dimethylbutane	0.34		0.35	0.39	0.25	0.54		0.28		
Cyclopentene	ND		ND	ND	ND	ND		ND		
4-Methyl-1-pentene	ND		ND	ND	ND	ND		ND		
Cyclopentane	0.19		0.25	0.14	0.19	0.20		0.19		
2,3-Dimethylbutane	0.35		0.35	0.37	0.28	0.74		0.34		
2-Methylpentane	1.04		1.43	1.51	0.32	2.70		0.50		
3-Methylpentane	0.39		0.60	0.59	0.37	1.46		0.48		
2-Methyl-1-pentene	ND		ND	ND	ND	ND		ND		
1-Hexene	0.31		0.31	0.51	0.31	0.39		0.30		
2-Ethyl-1-butene	ND		ND	ND	ND	ND		ND		
n-Hexane	0.41		0.43	0.37	0.39	0.64		0.44		
trans-2-Hexene	ND		ND	ND	ND	ND		ND		
cis-2-Hexene	ND		ND	ND	ND	ND		ND		
Methylcyclopentane	0.32		0.28	0.58	0.23	0.39		0.27		
2,4-Dimethylpentane	0.23		0.29	0.28	0.22	0.28		0.23		
Benzene	0.78		0.78	0.87	0.72	1.03		0.69		
Cyclohexane	0.30		0.29	0.28	0.30	0.32		0.31		
2-Methylhexane	0.73		0.91	1.04	0.37	0.70		0.61		
2,3-Dimethylpentane	0.43		0.46	0.43	0.56	0.55		0.59		
3-Methylhexane	0.23		0.27	ND	0.45	0.55		0.32		
1-Heptene	ND		ND	0.30	ND	0.08	U	ND		
2,2,4-Trimethylpentane	0.32		0.74	0.29	0.25	0.53		0.39		
n-Heptane	0.24		0.28	0.26	0.24	0.38		0.26		
Methylcyclohexane	0.29		0.32	0.25	0.25	0.34		0.29		
2,2,3-Trimethylpentane	ND		ND	ND	ND	ND		ND		
2,3,4-Trimethylpentane	0.18		0.19	0.38	0.14	0.23		0.20		
Toluene	0.62		1.04	0.58	0.67	1.39		0.71		
2-Methylheptane	0.13	U	0.11	U	ND	0.12	U	0.15		
3-Methylheptane	0.15		0.13	ND	0.15	0.18		0.13		
1-Octene	ND		ND	0.37	ND	ND		ND		
n-Octane	0.19		0.21	0.26	0.15	0.24		0.17		
Ethylbenzene	0.18		0.19	0.25	0.20	0.24		0.25		
m-Xylene/p-Xylene	0.53		0.71	0.53	0.54	1.24		0.48		
Styrene	ND		0.23	ND	0.30	ND		0.30		
o-Xylene	0.27		0.39	0.29	0.17	0.33		0.25		
1-Nonene	ND		ND	0.12	U	0.16	U	ND		
n-Nonane	0.14		0.12	0.17	U	0.13		0.17		
Isopropylbenzene	0.16	U	0.16	U	0.09	0.13	U	0.15	U	
a-Pinene	ND		0.29	ND	ND	ND		ND		
n-Propylbenzene	0.08	U	0.09	U	0.15	U	0.08	U	ND	
m-Ethyltoluene	0.13		0.13	0.17	0.13	0.19		0.16		
p-Ethyltoluene	0.12	U	0.09	U	0.08	U	0.11	U	0.13	U
1,3,5-Trimethylbenzene	ND		0.09	U	ND	ND	0.12		0.12	
o-Ethyltoluene	0.11	U	ND	ND	ND	ND	0.14	U	0.11	U
b-Pinene	ND		ND	ND	ND	ND		ND	ND	
1,2,4-Trimethylbenzene	0.12		0.21	0.27	0.14	0.31		0.19		
1-Decene	ND		ND	ND	ND	ND		ND		
n-Decane	0.12		0.14	0.22	0.22	0.17		0.20		
1,2,3-Trimethylbenzene	ND		ND	ND	ND	0.12		ND		
m-Diethylbenzene	0.08	U	0.51	0.34	0.22	0.21		0.13		U
p-Diethylbenzene	0.13		0.11	0.19	0.18	0.19		0.20		
1-Undecene	ND		ND	ND	ND	ND		ND		
n-Undecane	0.17	U	0.41	0.59	0.99	0.49		0.74		
1-Dodecene	ND		ND	ND	ND	ND		ND		
n-Dodecane	0.30	U	0.50	0.55	0.95	0.45		1.05		
1-Tridecene	ND		ND	ND	ND	ND		ND		
n-Tridecane	0.11	U	0.13	U	0.18	U	0.14	U	0.35	U
TNMOC (speciated) in ug/m ³	25.77		32.45	31.17	25.95	43.29		27.52		
TNMOC (w/ unknowns) in ppbC	91.42		109.37	203.37	87.40	128.69		106.72		

NR Not reportable due to sampler contamination.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Cedar Rapids, Iowa Site 2 (C2IA) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ug/m³)

Sample No.:	C2IA 26716	C2IA 26892	C2IA 27094	C2IA 27269	C2IA 27332	C2IA 27438	C2IA 27533 D1			
Sampling Date:	4/8/2002	4/14/2002	4/26/2002	4/29/2002	5/2/2002	5/8/2002	5/14/2002			
Analysis Date:	4/12/2002	4/26/2002	5/3/2002	5/4/2002	5/9/2002	5/14/2002	5/20/2002			
Filename:	L2DK021	L2DZ011	L2EC010	L2EC024	L2EH022	L2EN005	L2ET015			
Ethylene	1.29	2.06	1.05	0.96	0.72	1.24	1.35			
Acetylene	0.85	1.11	0.57	0.75	0.43	0.51	0.59			
Ethane	4.44	5.30	2.99	3.29	2.59	2.63	3.05			
Propylene	0.66	1.13	0.43	0.37	0.31	0.47	0.60			
Propane	3.23	4.28	1.84	2.27	1.44	1.74	2.06			
Propyne	ND	ND	ND	ND	ND	ND	ND			
Isobutane	0.64	1.46	0.35	0.97	0.31	0.60	0.45			
Isobutene/1-Butene	0.57	0.92	0.81	0.78	0.57	0.90	0.78			
1,3-Butadiene	ND	0.14	U	ND	ND	ND	ND			
n-Butane	1.67	3.66	0.86	2.54	0.65	1.08	1.20			
trans-2-Butene	0.13	0.20	0.13	0.19	0.12	0.12	0.15			
cis-2-Butene	0.18	0.27	0.18	0.21	0.18	0.17	0.21			
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND			
Isopentane	NR	NR	NR	NR	NR	NR	NR			
1-Pentene	0.15	0.40	0.16	0.30	0.24	0.42	0.27			
2-Methyl-1-butene	ND	0.17	ND	ND	ND	ND	0.15			
n-Pentane	0.85	2.23	0.53	8.42	0.45	0.89	1.03			
Isoprene	0.13	0.16	0.13	0.21	0.15	0.19	0.20			
trans-2-Pentene	0.19	0.31	0.13	0.33	0.15	0.21	0.21			
cis-2-Pentene	0.16	0.24	0.14	0.26	0.17	0.16	0.22			
2-Methyl-2-butene	ND	0.47	ND	0.25	0.22	ND	0.70			
2,2-Dimethylbutane	0.38	0.70	0.25	0.34	0.26	0.33	0.38			
Cyclopentene	ND	ND	ND	0.08	U	0.12	U	ND	ND	
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Cyclopentane	0.15	0.27	0.16	0.35	0.10	0.20	0.24			
2,3-Dimethylbutane	0.51	1.04	0.35	0.49	0.27	0.60	0.42			
2-Methylpentane	1.92	5.11	0.97	1.54	0.73	3.32	1.59			
3-Methylpentane	1.00	1.88	0.57	0.82	0.38	0.74	0.76			
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND			
1-Hexene	0.32	0.39	0.31	0.52	0.36	0.38	0.39			
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND			
n-Hexane	0.59	1.06	0.42	0.91	0.36	0.91	0.61			
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND			
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND			
Methylcyclopentane	0.25	0.48	0.22	0.54	0.22	0.26	0.37			
2,4-Dimethylpentane	0.24	0.34	0.21	0.26	0.20	0.21	0.27			
Benzene	1.00	1.39	0.83	1.33	1.04	0.86	1.04			
Cyclohexane	0.28	0.44	0.25	0.98	0.24	0.23	0.28			
2-Methylhexane	1.12	1.29	0.92	1.04	0.88	1.25	1.26			
2,3-Dimethylpentane	0.85	0.93	0.79	0.82	0.65	1.06	1.07			
3-Methylhexane	1.46	1.59	1.26	1.53	1.25	2.20	2.00			
1-Heptene	0.13	U	0.28	0.33	0.17	0.27	0.19			
2,2,4-Trimethylpentane	0.41	0.75	0.29	0.36	0.25	0.41	0.51			
n-Heptane	NR	NR	NR	NR	NR	NR	NR			
Methylcyclohexane	0.68	0.77	0.67	0.63	0.53	0.98	0.95			
2,2,3-Trimethylpentane	0.27	0.34	0.17	0.23	0.19	0.49	0.49			
2,3,4-Trimethylpentane	0.17	0.29	0.14	0.20	0.16	0.21	0.23			
Toluene	NR	NR	NR	NR	NR	NR	NR			
2-Methylheptane	0.13	U	0.19	0.16	0.15	U	0.17	0.25		
3-Methylheptane	0.18	0.25	0.16	0.19	0.15	0.18	0.25			
1-Octene	0.14	0.34	0.24	0.41	0.16	0.23	0.13	U		
n-Octane	0.24	0.35	0.31	0.27	0.22	0.33	0.48			
Ethylbenzene	NR	NR	NR	NR	NR	NR	NR			
m-Xylene/p-Xylene	NR	NR	NR	NR	NR	NR	NR			
Styrene	NR	NR	NR	NR	NR	NR	NR			
o-Xylene	NR	NR	NR	NR	NR	NR	NR			
1-Nonene	0.14	U	0.40	U	0.41	U	0.23	0.10	U	
n-Nonane	0.20	0.30	0.28	0.22	0.19	0.28	0.45			
Isopropylbenzene	NR	NR	NR	NR	NR	NR	NR			
a-Pinene	ND	0.16	U	ND	ND	ND	ND			
n-Propylbenzene	NR	NR	NR	NR	NR	NR	NR			
m-Ethyltoluene	NR	NR	NR	NR	NR	NR	NR			
p-Ethyltoluene	NR	NR	NR	NR	NR	NR	NR			
1,3,5-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR			
o-Ethyltoluene	NR	NR	NR	NR	NR	NR	NR			
b-Pinene	ND	ND	ND	ND	ND	ND	ND			
1,2,4-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR			
1-Decene	ND	ND	ND	ND	ND	ND	ND			
n-Decane	1.35	1.27	0.96	0.97	0.77	1.41	1.45			
1,2,3-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR			
m-Diethylbenzene	NR	NR	NR	NR	NR	NR	NR			
p-Diethylbenzene	NR	NR	NR	NR	NR	NR	NR			
1-Undecene	ND	ND	ND	0.15	U	ND	ND			
n-Undecane	1.00	1.52	0.33	0.90	0.24	0.67	0.52			
1-Dodecene	NR	NR	NR	NR	NR	NR	NR			
n-Dodecane	0.84	1.49	0.25	U	0.90	0.32	U	1.36	0.54	
1-Tridecene	0.84	ND	0.15	U	ND	ND	0.19	U	ND	
n-Tridecane	0.50	0.42	U	ND	0.20	U	0.15	U	0.18	U
TNMOC (speciated) in ug/m ³	NR	NR	NR	NR	NR	NR	NR			
TNMOC (w/ unknowns) in ppbC	NR	NR	NR	NR	NR	NR	NR			

NR Not reportable due to sampler contamination.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Cedar Rapids, Iowa Site 2 (C2IA) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ug/m³)

Sample No.:	C2IA 27533 R1	C2IA 27535 D1	C2IA 27535 R2	C2IA 27664	C2IA 27778	C2IA 27838	C2IA 27919
Sampling Date:	5/14/2002	5/14/2002	5/14/2002	5/20/2002	5/26/2002	6/1/2002	6/7/2002
Analysis Date:	5/21/2002	5/21/2002	5/21/2002	5/24/2002	6/4/2002	7/1/2002	7/2/2002
Filename:	L2EU013	L2ET016	L2EU014	L2EW020	L2FC015	L2GA006	L2GB014
Ethylene	1.37	1.17	1.23	1.03	0.95	1.73	1.26
Acetylene	0.64	0.59	0.59	0.76	0.39	0.62	0.59
Ethane	3.15	3.13	3.20	3.27	2.43	2.70	2.76
Propylene	0.60	0.54	0.51	0.40	0.39	0.86	0.59
Propane	2.11	2.04	2.11	3.04	1.59	2.52	1.98
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.46	0.45	0.46	0.90	0.47	1.02	0.67
Isobutene/1-Butene	0.83	1.20	1.25	0.67	0.91	3.00	1.15
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND
n-Butane	1.22	1.22	1.23	2.10	0.95	2.53	0.75
trans-2-Butene	0.16	0.15	0.17	0.15	0.13	0.26	0.16
cis-2-Butene	0.21	0.22	0.24	0.17	0.20	0.45	0.44
3-Methyl-1-butene	ND	ND	ND	5.03	ND	ND	ND
Isopentane	NR	NR	NR	NR	NR	NR	NR
1-Pentene	0.30	0.38	0.32	0.29	0.21	0.90	0.35
2-Methyl-1-butene	0.14	0.15	0.10	ND	ND	0.22	ND
n-Pentane	1.16	0.96	0.99	2.57	0.70	3.46	1.05
Isoprene	0.19	0.25	0.26	0.18	0.22	2.78	0.51
trans-2-Pentene	0.22	0.21	0.22	0.22	0.16	0.36	0.29
cis-2-Pentene	0.23	0.20	0.22	0.20	0.18	0.41	0.36
2-Methyl-2-butene	ND	ND	ND	ND	ND	0.62	ND
2,2-Dimethylbutane	0.37	0.36	0.36	0.30	0.33	0.96	0.75
Cyclopentene	ND	0.09	ND	ND	0.15	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.17	0.23	0.19	0.28	0.21	0.45	0.33
2,3-Dimethylbutane	0.46	0.41	0.41	0.37	0.55	1.29	1.21
2-Methylpentane	1.69	1.14	1.30	0.70	2.58	4.51	4.67
3-Methylpentane	0.74	0.75	0.79	0.57	1.05	2.13	2.49
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.38	0.44	0.43	0.34	0.39	0.74	0.65
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.66	0.61	0.67	0.63	0.64	1.20	0.63
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.37	0.34	0.36	0.33	0.27	0.69	0.44
2,4-Dimethylpentane	0.26	0.25	0.27	0.27	0.24	0.54	0.41
Benzene	1.05	1.21	1.24	1.36	0.64	1.10	0.84
Cyclohexane	0.32	0.27	0.33	0.47	0.28	0.66	0.49
2-Methylhexane	1.30	0.43	0.48	1.15	0.86	1.34	0.97
2,3-Dimethylpentane	1.02	0.65	0.62	0.79	0.63	1.26	0.86
3-Methylhexane	2.38	0.77	0.71	2.25	1.32	2.75	0.92
1-Heptene	0.24	0.16	0.17	0.16	0.20	0.16	ND
2,2,4-Trimethylpentane	0.46	0.45	0.45	0.43	0.39	0.97	0.64
n-Heptane	NR	NR	NR	NR	NR	NR	NR
Methylcyclohexane	0.96	0.52	0.54	0.74	0.47	1.16	0.67
2,2,3-Trimethylpentane	0.50	ND	0.08	0.41	0.09	0.33	ND
2,3,4-Trimethylpentane	0.28	0.21	0.25	0.23	0.21	0.46	0.31
Toluene	NR	NR	NR	NR	NR	NR	NR
2-Methylheptane	0.23	0.24	0.24	0.17	0.18	0.68	0.34
3-Methylheptane	0.25	0.30	0.30	0.18	0.18	0.79	0.41
1-Octene	0.11	0.25	0.26	0.12	0.17	ND	ND
n-Octane	0.51	0.58	0.59	0.31	0.26	1.49	0.76
Ethylbenzene	NR	NR	NR	NR	NR	NR	NR
m-Xylene/p-Xylene	NR	NR	NR	NR	NR	NR	NR
Styrene	NR	NR	NR	NR	NR	NR	NR
o-Xylene	NR	NR	NR	NR	NR	NR	NR
1-Nonene	ND	0.23	0.25	0.12	0.16	ND	ND
n-Nonane	0.51	0.55	0.52	0.25	0.30	0.47	0.57
Isopropylbenzene	NR	NR	NR	NR	NR	NR	NR
a-Pinene	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	NR	NR	NR	NR	NR	NR	NR
m-Ethyltoluene	NR	NR	NR	NR	NR	NR	NR
p-Ethyltoluene	NR	NR	NR	NR	NR	NR	NR
1,3,5-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR
o-Ethyltoluene	NR	NR	NR	NR	NR	NR	NR
b-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	1.55	0.89	0.85	1.14	1.09	0.83	1.31
1,2,3-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR
m-Diethylbenzene	NR	NR	NR	NR	NR	NR	NR
p-Diethylbenzene	NR	NR	NR	NR	NR	NR	NR
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.54	0.55	0.55	2.01	0.65	0.55	0.67
1-Dodecene	NR	NR	NR	NR	NR	NR	NR
n-Dodecane	0.36	0.49	0.38	1.63	0.69	0.40	0.42
1-Tridecene	ND	0.14	0.12	ND	0.15	ND	ND
n-Tridecane	0.09	0.21	0.12	0.14	0.33	0.14	0.17
TNMOC (speciated) in ug/m ³	NR	NR	NR	NR	NR	NR	NR
TNMOC (w/ unknowns) in ppbC	NR	NR	NR	NR	NR	NR	NR

NR Not reportable due to sampler contamination.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Cedar Rapids, Iowa Site 2 (C2IA) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ug/m³)

Sample No.:	C2IA 28011	C2IA 28230	C2IA 28310 D1	C2IA 28310 R1	C2IA 28311 D2	C2IA 28311 R2	C2IA 28476
Sampling Date:	6/13/2002	6/19/2002	6/25/2002	6/25/2002	6/25/2002	6/25/2002	7/1/2002
Analysis Date:	7/13/2002	7/13/2002	7/24/2002	8/15/2002	8/13/2002	8/15/2002	8/1/2002
Filename:	L2GL019	L2GL026	N2GX005	L2HO008	L2HM011	L2HO009	L2HA006
Ethylene	1.21	0.71	1.18	1.72	1.89	1.88	1.02
Acetylene	0.36	0.27	0.73	0.66	0.66	0.68	0.31
Ethane	2.24	1.21	1.99	2.45	2.56	2.69	2.51
Propylene	0.55	0.36	0.54	1.03	0.96	1.02	0.62
Propane	1.64	1.17	1.88	2.65	2.73	2.78	2.09
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.61	0.32	0.71	1.14	0.93	1.04	0.68
Isobutene/1-Butene	1.18	0.65	1.68	2.05	2.06	2.13	1.42
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND
n-Butane	1.07	0.72	1.65	2.14	2.18	2.24	1.38
trans-2-Butene	0.27	0.15	0.12	0.40	0.43	0.42	0.23
cis-2-Butene	0.39	0.18	0.17	0.64	0.59	0.57	0.36
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	NR	NR	NR	NR	NR	NR	NR
1-Pentene	0.41	0.20	0.19	0.54	0.49	0.50	0.31
2-Methyl-1-butene	ND	ND	0.12	0.25	0.19	0.28	ND
n-Pentane	0.84	0.60	2.08	3.28	1.79	1.92	1.15
Isoprene	1.22	0.38	3.08	2.52	2.51	2.64	1.98
trans-2-Pentene	0.30	0.19	0.17	0.44	0.50	0.56	0.29
cis-2-Pentene	0.40	0.20	0.21	0.55	0.56	0.60	0.35
2-Methyl-2-butene	ND	ND	ND	ND	0.21	ND	0.16
2,2-Dimethylbutane	0.57	0.36	0.99	0.99	0.99	1.02	0.57
Cyclopentene	0.15	ND	ND	ND	ND	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.32	0.17	0.34	0.59	0.49	0.59	0.33
2,3-Dimethylbutane	0.64	0.58	0.68	1.20	1.24	1.24	0.62
2-Methylpentane	1.01	2.16	1.97	3.43	2.66	3.57	0.99
3-Methylpentane	0.70	1.00	1.26	1.60	1.55	1.59	0.66
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.69	0.34	0.59	0.93	0.90	1.08	0.62
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.62	0.48	0.67	1.30	1.15	1.31	0.75
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.36	0.23	0.41	0.84	0.66	0.79	0.42
2,4-Dimethylpentane	0.38	0.22	0.32	0.64	0.67	0.70	0.39
Benzene	0.65	0.41	1.24	1.33	1.31	1.45	0.79
Cyclohexane	0.45	0.26	0.31	0.80	0.80	0.86	0.45
2-Methylhexane	0.84	0.44	1.15	1.52	1.05	1.21	0.96
2,3-Dimethylpentane	0.82	0.45	0.75	1.25	1.10	1.12	0.80
3-Methylhexane	1.65	1.00	1.24	1.41	0.60	0.82	0.95
1-Heptene	ND	ND	ND	ND	ND	ND	0.16
2,2,4-Trimethylpentane	0.62	0.34	0.76	0.83	0.93	1.11	0.52
n-Heptane	NR	NR	NR	NR	NR	NR	NR
Methylcyclohexane	0.54	0.26	0.52	0.87	0.64	0.63	0.56
2,2,3-Trimethylpentane	ND	ND	0.53	0.26	ND	ND	0.15
2,3,4-Trimethylpentane	0.31	0.17	0.25	0.52	0.54	0.76	0.32
Toluene	NR	NR	NR	NR	NR	NR	NR
2-Methylheptane	0.22	0.11	0.24	0.37	0.34	0.36	0.28
3-Methylheptane	0.23	0.12	0.25	0.42	0.43	0.51	0.26
1-Octene	ND	ND	ND	0.17	0.20	0.21	ND
n-Octane	0.29	0.13	0.39	0.51	0.54	0.59	0.35
Ethylbenzene	NR	NR	NR	NR	NR	NR	NR
m-Xylene/p-Xylene	NR	NR	NR	NR	NR	NR	NR
Styrene	NR	NR	NR	NR	NR	NR	NR
o-Xylene	NR	NR	NR	NR	NR	NR	NR
1-Nonene	ND	ND	ND	ND	0.19	ND	ND
n-Nonane	0.19	0.14	0.40	0.48	0.47	0.53	0.28
Isopropylbenzene	NR	NR	NR	NR	NR	NR	NR
a-Pinene	ND	ND	ND	1.51	1.87	1.97	0.76
n-Propylbenzene	NR	NR	NR	NR	NR	NR	NR
m-Ethyltoluene	NR	NR	NR	NR	NR	NR	NR
p-Ethyltoluene	NR	NR	NR	NR	NR	NR	NR
1,3,5-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR
o-Ethyltoluene	NR	NR	NR	NR	NR	NR	NR
b-Pinene	ND	ND	ND	ND	4.64	ND	1.76
1,2,4-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.71	0.35	8.54	1.44	1.02	0.82	1.05
1,2,3-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR
m-Diethylbenzene	NR	NR	NR	NR	NR	NR	NR
p-Diethylbenzene	NR	NR	NR	NR	NR	NR	NR
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.53	0.28	0.75	1.21	1.73	1.71	0.56
1-Dodecene	NR	NR	NR	NR	NR	NR	NR
n-Dodecane	0.46	0.26	0.22	0.82	0.87	0.90	0.35
1-Tridecene	ND	0.11	ND	0.23	0.40	0.35	ND
n-Tridecane	ND	0.08	ND	ND	0.20	ND	ND
TNMOC (speciated) in ug/m ³	NR	NR	NR	NR	NR	NR	NR
TNMOC (w/ unknowns) in ppbC	NR	NR	NR	NR	NR	NR	NR

NR Not reportable due to sampler contamination.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Cedar Rapids, Iowa Site 2 (C2IA) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ug/m³)

Sample No.:	C2IA 28614	C2IA 28713	C2IA 28875	C2IA 28961	C2IA 29060	C2IA 29318	C2IA 29463
Sampling Date:	7/7/2002	7/13/2002	7/19/2002	7/25/2002	7/31/2002	8/18/2002	8/24/2002
Analysis Date:	8/1/2002	8/6/2002	8/9/2002	8/14/2002	8/31/2002	9/4/2002	9/18/2002
Filename:	L2G%009	L2HE020	L2HI007	L2HM019	L2H\$014	L2IC021	L2IQ020
Ethylene	1.25	1.74	1.42	2.15	2.87	1.46	0.99
Acetylene	0.44	0.73	0.46	0.88	1.18	0.44	0.45
Ethane	1.90	2.64	4.34	2.97	2.52	2.65	2.26
Propylene	0.61	1.03	0.94	1.26	2.24	1.30	0.62
Propane	1.50	2.70	3.32	2.86	2.91	3.24	2.81
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.61	0.95	0.89	0.98	0.82	0.60	0.54
Isobutene/1-Butene	1.10	1.37	1.59	1.65	4.32	1.70	0.84
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND
n-Butane	1.14	2.03	1.78	2.00	1.86	1.26	1.11
trans-2-Butene	0.26	0.43	0.40	0.43	0.38	0.27	0.24
cis-2-Butene	0.34	0.53	0.60	0.61	0.58	0.40	0.31
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	NR	NR	NR	NR	NR	1.49	1.75
1-Pentene	0.29	0.45	0.46	0.50	0.60	0.39	ND
2-Methyl-1-butene	0.12	U	ND	0.26	0.42	0.41	ND
n-Pentane	1.23	1.76	1.45	1.98	1.46	0.97	0.87
Isoprene	2.45	3.06	2.53	1.18	1.81	1.36	1.94
trans-2-Pentene	0.36	0.55	0.47	0.53	0.55	0.33	0.25
cis-2-Pentene	0.36	0.57	0.57	0.63	0.47	0.30	0.28
2-Methyl-2-butene	0.12	U	ND	ND	0.28	ND	ND
2,2-Dimethylbutane	0.57	1.04	0.90	1.07	0.91	0.54	0.50
Cyclopentene	ND	ND	ND	ND	ND	ND	0.14
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.37	0.59	0.55	0.56	0.49	0.31	0.30
2,3-Dimethylbutane	0.84	1.36	1.16	1.40	1.22	0.54	0.48
2-Methylpentane	2.85	3.01	3.71	4.75	6.35	1.07	1.74
3-Methylpentane	1.15	1.45	1.45	2.60	2.34	0.62	0.66
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.59	0.86	0.99	0.88	0.80	0.54	0.41
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.87	1.17	1.05	1.02	0.89	0.47	0.41
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.47	0.65	0.54	0.75	0.91	0.36	0.35
2,4-Dimethylpentane	0.39	0.69	0.56	0.70	0.55	0.39	0.36
Benzene	0.77	0.99	0.97	1.08	0.89	0.76	0.65
Cyclohexane	0.55	0.74	0.74	0.79	0.74	0.41	0.39
2-Methylhexane	0.87	1.20	1.22	1.36	0.79	0.72	0.38
2,3-Dimethylpentane	0.84	1.26	1.12	1.31	0.92	0.56	0.58
3-Methylhexane	0.73	1.15	1.08	1.14	1.08	0.41	0.35
1-Heptene	ND	ND	ND	ND	0.46	0.36	ND
2,2,4-Trimethylpentane	0.58	0.94	0.71	1.16	0.65	0.52	0.50
n-Heptane	NR	NR	NR	NR	NR	0.32	0.25
Methylcyclohexane	0.45	0.75	0.77	0.96	0.56	0.38	0.51
2,2,3-Trimethylpentane	ND	0.17	ND	ND	0.23	ND	ND
2,3,4-Trimethylpentane	0.35	0.53	0.44	0.54	0.87	0.26	0.24
Toluene	NR	NR	NR	NR	NR	1.44	0.99
2-Methylheptane	0.25	0.44	0.35	0.38	0.30	0.15	0.18
3-Methylheptane	0.25	0.44	0.44	0.43	0.32	0.24	0.21
1-Octene	ND	ND	ND	ND	0.40	0.17	0.11
n-Octane	0.33	0.43	0.47	0.47	0.52	0.28	0.23
Ethylbenzene	NR	NR	NR	NR	NR	0.44	0.28
m-Xylene/p-Xylene	NR	NR	NR	NR	NR	1.94	0.41
Styrene	NR	NR	NR	NR	NR	3.00	0.41
o-Xylene	NR	NR	NR	NR	NR	0.33	0.24
1-Nonene	0.26	ND	ND	ND	ND	ND	ND
n-Nonane	0.22	0.51	0.33	0.42	0.48	0.22	0.22
Isopropylbenzene	NR	NR	NR	NR	NR	0.83	0.32
a-Pinene	0.51	0.76	0.95	0.85	4.96	0.70	0.28
n-Propylbenzene	NR	NR	NR	NR	NR	0.22	0.15
m-Ethyltoluene	NR	NR	NR	NR	NR	0.27	0.16
p-Ethyltoluene	NR	NR	NR	NR	NR	0.23	0.16
1,3,5-Trimethylbenzene	NR	NR	NR	NR	NR	0.24	0.18
o-Ethyltoluene	NR	NR	NR	NR	NR	0.25	0.22
b-Pinene	1.09	1.34	2.20	2.10	3.68	0.56	0.78
1,2,4-Trimethylbenzene	NR	NR	NR	NR	NR	0.73	0.32
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.74	0.90	0.90	1.02	0.92	0.39	0.24
1,2,3-Trimethylbenzene	NR	NR	NR	NR	NR	0.22	0.17
m-Diethylbenzene	NR	NR	NR	NR	NR	0.77	ND
p-Diethylbenzene	NR	NR	NR	NR	NR	0.10	ND
1-Undecene	ND	ND	ND	ND	ND	0.30	ND
n-Undecane	1.10	0.65	0.73	0.82	0.70	0.43	0.24
1-Dodecene	NR	NR	NR	NR	NR	0.14	0.16
n-Dodecane	0.77	0.45	0.63	ND	0.64	0.32	0.28
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	ND	ND	ND	ND
TNMOC (speciated) in ug/m ³	NR	NR	NR	NR	NR	43.05	31.39
TNMOC (w/ unknowns) in ppbC	NR	NR	NR	NR	NR	117.14	83.42

NR Not reportable due to sampler contamination.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Cedar Rapids, Iowa Site 2 (C2IA) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ug/m³)

Sample No.:	C2IA 29589	C2IA 29706	C2IA 29851 D1	C2IA 29851 R1	C2IA 29853 D2	C2IA 29853 R2	C2IA 29928	
Sampling Date:	8/30/2002	9/5/2002	9/11/2002	9/11/2002	9/11/2002	9/11/2002	9/17/2002	
Analysis Date:	9/23/2002	9/26/2002	10/11/2002	10/15/2002	10/11/2002	10/15/2002	10/16/2002	
Filename:	L2IW007	L2IY020	L2JJ013	L2JO005	L2JJ014	L2JO006	L2JO019	
Ethylene	1.84	2.49	1.35	1.42	1.99	1.89	2.31	
Acetylene	0.80	1.07	0.58	0.59	1.17	1.13	1.54	
Ethane	3.20	3.34	2.56	2.60	3.20	3.14	4.52	
Propylene	0.73	0.79	0.74	0.67	1.00	0.91	1.05	
Propane	3.45	4.52	2.68	2.38	3.46	3.15	4.63	
Propyne	ND	ND	ND	ND	ND	ND	ND	
Isobutane	1.02	0.86	0.84	0.78	6.60	6.01	2.99	
Isobutene/1-Butene	0.90	0.78	0.68	0.66	1.07	1.01	1.27	
1,3-Butadiene	ND	ND	ND	ND	ND	0.11	U 0.15	
n-Butane	2.08	1.79	1.93	1.83	4.38	4.04	3.67	
trans-2-Butene	0.22	0.21	0.25	0.23	0.27	0.25	0.28	
cis-2-Butene	0.27	0.24	0.32	0.32	0.36	0.31	0.37	
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND	
Isopentane	3.90	3.40	3.28	3.24	8.67	8.08	10.49	
1-Pentene	0.33	ND	0.30	ND	0.42	ND	0.67	
2-Methyl-1-butene	0.17	0.11	U 0.14	U 0.13	U 0.22	0.20	0.25	
n-Pentane	1.64	1.30	2.84	2.61	3.55	3.24	3.84	
Isoprene	2.12	1.48	1.36	1.24	2.62	1.96	1.16	
trans-2-Pentene	0.31	0.27	0.29	0.25	0.33	0.37	0.52	
cis-2-Pentene	0.26	0.27	0.32	0.27	0.33	0.31	0.41	
2-Methyl-2-butene	0.16	ND	0.16	0.13	U 0.22	0.22	0.29	
2,2-Dimethylbutane	0.55	0.70	0.50	0.49	0.56	0.52	0.78	
Cyclopentene	0.46	ND	ND	ND	ND	0.22	0.44	
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND	
Cyclopentane	0.38	0.31	0.38	0.32	0.36	0.38	0.61	
2,3-Dimethylbutane	0.63	0.82	0.61	0.52	0.62	0.61	1.13	
2-Methylpentane	1.77	3.07	0.89	0.79	1.24	1.15	4.41	
3-Methylpentane	0.96	1.85	0.81	0.79	2.82	1.89	3.24	
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND	
1-Hexene	0.45	0.36	0.43	0.29	0.37	0.32	0.44	
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND	
n-Hexane	0.74	0.68	0.79	0.73	0.13	0.94	1.39	
trans-2-Hexene	ND	ND	ND	ND	ND	ND	0.42	
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND	
Methylcyclopentane	0.50	0.40	0.53	0.57	0.82	0.80	0.87	
2,4-Dimethylpentane	0.38	0.35	0.35	0.31	0.40	0.36	0.44	
Benzene	0.91	1.06	0.81	0.66	1.04	0.94	1.69	
Cyclohexane	0.17	0.80	0.71	0.19	0.95	0.76	1.82	
2-Methylhexane	0.40	0.54	0.69	0.25	0.42	0.34	0.98	
2,3-Dimethylpentane	0.59	0.66	0.66	0.40	0.48	0.52	0.89	
3-Methylhexane	0.85	0.87	0.87	0.60	1.01	0.79	0.64	
1-Heptene	ND	ND	ND	ND	0.17	ND	0.12	U
2,2,4-Trimethylpentane	0.75	0.66	0.71	0.61	0.58	0.91	0.83	
n-Heptane	0.37	0.30	0.33	0.32	0.51	0.48	0.58	
Methylcyclohexane	0.38	0.42	0.36	0.33	0.47	0.48	0.51	
2,2,3-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND	
2,3,4-Trimethylpentane	0.23	0.28	0.31	0.29	0.36	0.39	0.47	
Toluene	1.91	2.00	1.93	1.92	6.34	5.97	18.74	
2-Methylheptane	0.22	0.25	0.29	0.26	0.42	0.40	0.42	
3-Methylheptane	0.28	0.28	0.17	0.31	0.34	0.20	0.42	
1-Octene	ND	ND	ND	ND	0.23	0.22	0.20	
n-Octane	0.27	0.29	0.38	0.41	0.66	0.59	0.72	
Ethylbenzene	0.50	0.43	0.40	0.36	1.18	1.13	1.10	
m-Xylene/p-Xylene	0.69	0.83	0.82	0.71	2.51	2.21	1.63	
Styrene	0.90	0.19	0.21	0.17	0.60	0.47	0.51	
o-Xylene	0.35	0.40	0.75	0.30	1.01	0.92	0.72	
1-Nonene	ND	ND	ND	ND	0.16	U 0.14	U 0.11	U
n-Nonane	0.23	0.28	0.37	0.32	0.75	0.62	0.58	
Isopropylbenzene	0.22	0.29	0.25	0.21	0.36	0.35	0.33	
a-Pinene	0.22	0.29	0.25	0.24	1.21	1.09	0.45	
n-Propylbenzene	0.11	U 0.16	0.26	0.16	U 0.75	0.67	0.22	
m-Ethyltoluene	0.23	0.31	0.36	0.30	2.04	1.66	0.53	
p-Ethyltoluene	0.17	U 0.22	0.27	0.27	1.09	0.87	0.35	
1,3,5-Trimethylbenzene	0.20	0.27	0.26	0.30	1.51	1.25	0.43	
o-Ethyltoluene	ND	0.30	0.31	0.26	1.36	1.21	0.40	
b-Pinene	0.40	0.32	0.88	0.78	0.76	0.48	0.48	
1,2,4-Trimethylbenzene	0.43	0.46	0.55	0.46	3.49	2.94	0.84	
1-Decene	ND	ND	ND	ND	ND	ND	ND	
n-Decane	0.33	0.45	0.50	0.55	6.84	6.17	2.55	
1,2,3-Trimethylbenzene	0.61	0.20	0.26	ND	0.71	0.49	0.21	
m-Diethylbenzene	0.28	0.20	0.12	U 0.14	U 0.21	0.24	0.18	
p-Diethylbenzene	ND	ND	ND	0.09	0.27	0.20	0.11	
1-Undecene	ND	ND	ND	ND	ND	ND	ND	
n-Undecane	0.32	0.68	0.78	0.74	24.32	20.65	8.04	
1-Dodecene	ND	ND	0.33	U ND	ND	ND	ND	
n-Dodecane	0.33	U 0.43	U 0.71	0.78	19.00	16.79	6.52	
1-Tridecene	ND	ND	ND	ND	ND	ND	ND	
n-Tridecane	ND	ND	ND	ND	1.76	ND	0.69	
TNMOC (speciated) in ug/m ³	44.08	46.57	42.77	37.86	133.05	117.05	110.58	
TNMOC (w/ unknowns) in ppbC	109.37	110.20	119.67	115.52	288.60	262.60	238.36	

NR Not reportable due to sampler contamination.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Cedar Rapids, Iowa Site 2 (C2IA) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ug/m³)

Sample No.:	C21A 29966	C21A 30081	C21A 30093	C21A 30193	C21A 30256	C21A 30347 D1	C21A 30347 R1	
Sampling Date:	9/23/2002	9/29/2002	10/5/2002	10/11/2002	10/17/2002	10/23/2002	10/23/2002	
Analysis Date:	10/17/2002	10/18/2002	10/22/2002	10/25/2002	10/25/2002	11/23/2002	11/27/2002	
Filename:	L2JQ008	L2JQ015	L2JV013	L2JX015	L2JX020	L2KV022	L2KZ018	
Ethylene	1.80	1.82	1.20	2.48	1.87	0.74	1.48	
Acetylene	0.82	0.74	0.58	1.13	2.16	0.45	0.82	
Ethane	3.48	4.81	3.28	5.40	5.21	2.18	3.81	
Propylene	0.87	0.97	0.58	0.98	1.04	0.30	0.64	
Propane	5.04	4.54	2.80	5.35	7.72	1.37	3.04	
Propyne	ND	ND	ND	ND	ND	ND	ND	
Isobutane	1.06	1.18	0.60	1.36	102.87	0.23	0.72	
Isobutene/1-Butene	0.92	1.48	0.81	1.18	1.03	0.19	0.66	
1,3-Butadiene	0.13	U	ND	ND	ND	ND	ND	
n-Butane	2.04	2.77	1.32	3.76	55.72	0.62	1.86	
trans-2-Butene	0.24	0.22	0.20	0.24	0.22	ND	0.23	
cis-2-Butene	0.32	0.29	0.25	0.32	0.36	ND	0.33	
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND	
Isopentane	3.16	3.51	1.77	4.29	58.27	0.59	1.55	
1-Pentene	ND	ND	0.17	ND	0.13	ND	0.23	
2-Methyl-1-butene	0.16	0.18	ND	0.17	0.19	ND	ND	
n-Pentane	1.22	1.30	0.88	1.66	8.86	0.23	0.61	
Isoprene	0.45	0.59	0.20	0.39	0.70	ND	0.19	
trans-2-Pentene	0.34	0.28	0.19	0.28	0.47	ND	0.28	
cis-2-Pentene	0.30	0.28	0.25	0.30	0.48	ND	0.31	
2-Methyl-2-butene	0.22	0.14	ND	0.17	0.25	ND	ND	
2,2-Dimethylbutane	0.58	0.53	0.40	0.83	1.02	ND	ND	
Cyclopentene	ND	0.21	ND	0.18	ND	ND	ND	
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND	
Cyclopentane	0.50	0.29	0.32	0.42	0.78	ND	0.35	
2,3-Dimethylbutane	1.02	0.62	0.54	1.43	0.97	0.13	0.53	
2-Methylpentane	3.84	1.09	1.25	7.13	1.45	0.23	0.53	
3-Methylpentane	2.92	1.51	1.26	5.24	2.12	0.21	0.53	
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND	
1-Hexene	0.40	0.39	0.28	0.34	ND	ND	0.46	
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND	
n-Hexane	0.71	0.71	0.55	0.70	1.84	0.15	0.42	
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND	
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND	
Methylcyclopentane	0.53	0.47	0.35	0.61	1.10	0.10	0.30	
2,4-Dimethylpentane	0.32	0.36	0.26	0.40	0.40	ND	0.33	
Benzene	0.75	0.82	0.63	1.01	2.74	0.39	0.77	
Cyclohexane	0.64	0.44	0.35	0.52	8.18	0.10	0.44	
2-Methylhexane	1.56	0.82	0.37	0.30	3.76	ND	ND	
2,3-Dimethylpentane	0.95	0.71	0.34	0.69	6.30	0.07	U	0.97
3-Methylhexane	0.56	0.83	0.79	0.58	8.74	0.27	0.47	
1-Heptene	0.15	ND	ND	ND	1.36	ND	ND	
2,2,4-Trimethylpentane	0.65	0.68	0.23	0.75	0.73	0.14	0.51	
n-Heptane	1.86	0.36	0.32	0.42	1.59	0.28	0.47	
Methylcyclohexane	0.95	0.31	0.20	0.33	1.66	ND	0.40	
2,2,3-Trimethylpentane	0.31	ND	ND	ND	0.14	ND	ND	
2,3,4-Trimethylpentane	0.34	0.39	0.25	0.31	0.43	ND	0.21	
Toluene	4.14	1.57	1.73	2.55	29.95	0.75	1.45	
2-Methylheptane	0.73	0.50	0.34	0.34	0.42	ND	0.21	
3-Methylheptane	0.75	0.35	0.26	0.28	0.45	ND	0.20	
1-Octene	ND	ND	ND	ND	ND	ND	ND	
n-Octane	1.80	0.36	0.31	0.35	0.71	ND	0.26	
Ethylbenzene	0.52	0.41	0.17	0.39	1.12	ND	0.22	
m-Xylene/p-Xylene	1.70	0.82	0.32	0.81	1.91	0.19	0.53	
Styrene	0.28	0.48	0.39	0.39	0.24	ND	0.13	
o-Xylene	0.57	0.38	0.18	0.42	0.76	0.10	0.30	
1-Nonene	0.12	U	ND	ND	ND	ND	ND	
n-Nonane	1.01	0.30	0.20	0.28	0.55	ND	0.23	
Isopropylbenzene	0.38	0.25	0.18	0.37	0.29	ND	0.34	
a-Pinene	0.26	0.33	0.15	U	0.69	ND	ND	
n-Propylbenzene	0.18	0.21	0.14	U	0.22	0.26	0.13	U
m-Ethyltoluene	0.33	0.29	0.16	0.34	0.46	ND	0.24	
p-Ethyltoluene	0.22	0.22	0.24	0.27	0.31	ND	0.16	U
1,3,5-Trimethylbenzene	0.31	0.24	0.15	0.33	0.35	ND	0.16	
o-Ethyltoluene	0.25	0.25	0.23	0.24	0.43	ND	0.18	
b-Pinene	ND	ND	ND	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	0.55	0.42	0.34	0.51	0.62	ND	0.23	
1-Decene	ND	ND	ND	ND	ND	ND	ND	
n-Decane	0.94	0.92	ND	ND	2.53	ND	0.30	
1,2,3-Trimethylbenzene	0.16	0.17	0.15	0.17	0.21	ND	ND	
m-Diethylbenzene	0.12	U	0.46	ND	0.23	0.16	U	ND
p-Diethylbenzene	ND	ND	ND	0.12	ND	ND	ND	
1-Undecene	ND	ND	ND	ND	ND	ND	ND	
n-Undecane	0.38	0.23	0.24	0.23	3.32	0.25	0.30	
1-Dodecene	ND	ND	ND	ND	ND	ND	ND	
n-Dodecane	0.31	U	0.13	U	0.30	U	3.40	ND
1-Tridecene	ND	ND	ND	ND	ND	ND	ND	
n-Tridecane	ND	ND	ND	ND	0.90	ND	ND	
TNMOC (speciated) in ug/m ³	58.13	45.94	29.97	60.70	342.91	10.27	30.02	
TNMOC (w/ unknowns) in ppbC	142.89	125.80	71.36	138.06	643.90	28.55	69.02	

NR Not reportable due to sampler contamination.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Cedar Rapids, Iowa Site 2 (C2IA) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ug/m³)

Sample No.:	C2IA 30349 D2	C2IA 30349 R2	C2IA 30454	C2IA 30541	C2IA 30583 D1	C2IA 30583 R1	C2IA 30585 D2
Sampling Date:	10/23/2002	10/23/2002	10/29/2002	11/4/2002	11/10/2002	11/10/2002	11/10/2002
Analysis Date:	11/23/2002	11/30/2002	11/26/2002	12/4/2002	12/14/2002	12/17/2002	12/14/2002
Filename:	L2KV023	L2K#020	L2KZ005	L2LC019	N2LM014	N2LP015	N2LM015
Ethylene	0.74	1.64	1.93	2.90 #	1.38	1.72	1.30
Acetylene	0.49	0.76	1.05	1.72	0.70	1.00	0.70
Ethane	2.50	4.11	5.15	8.28	5.69	6.22	5.63
Propylene	0.31	0.85	0.76	1.20	0.51	0.88	0.45
Propane	1.49	3.23	3.35	7.33	6.99	7.55	6.75
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.36	0.99	1.08	2.01	1.16	1.54	1.16
Isobutene/1-Butene	0.42	1.12	0.58	1.02	1.32	1.80	1.50
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND
n-Butane	0.74	1.79	2.43	4.41	2.69	3.24	2.67
trans-2-Butene	ND	0.39	ND	0.33	0.07 U	0.40	0.06 U
cis-2-Butene	ND	0.41	0.14	0.49	ND	0.54	ND
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	0.67	1.71	2.43	3.60	1.90	2.73	2.08
1-Pentene	ND	0.33	ND	0.47	ND	0.48	ND
2-Methyl-1-butene	ND	ND	ND	0.20	ND	0.07 U	ND
n-Pentane	0.25	0.78	0.78	1.79	1.13	1.45	1.09
Isoprene	ND	0.28	ND	0.26	0.08	0.60	0.08
trans-2-Pentene	ND	0.34	ND	0.47	0.08 U	0.44	0.12
cis-2-Pentene	ND	0.39	0.19	0.40	0.12 U	0.70	0.09 U
2-Methyl-2-butene	ND	ND	ND	0.17	ND	ND	ND
2,2-Dimethylbutane	ND	ND	ND	0.76	0.16	0.78	0.16
Cyclopentene	ND	ND	ND	0.13 U	ND	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	ND	0.35	ND	0.51	0.12	0.46	0.12
2,3-Dimethylbutane	0.10	0.87	0.78	0.99	0.21	1.06	0.25
2-Methylpentane	0.19	0.53	0.61	1.73	0.50	0.78	0.51
3-Methylpentane	0.17	0.71	0.55	1.38	1.39	0.88	0.54
2-Methyl-1-pentene	ND	ND	ND	ND	0.37	ND	ND
1-Hexene	ND	0.68	0.17	0.58	0.94	1.90	0.74
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.15	0.54	0.52	1.08	0.50	1.02	0.55
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.11	0.50	0.42	0.73	0.28	0.70	0.30
2,4-Dimethylpentane	ND	0.53	0.27	0.53	0.13	0.63	0.13
Benzene	0.51	0.76	0.72	1.63	0.80	1.27	0.77
Cyclohexane	ND	0.76	0.34	1.13	0.19	0.78	0.18
2-Methylhexane	ND	ND	ND	0.30	0.29	0.86	0.06 U
2,3-Dimethylpentane	ND	1.27	0.77	1.11	0.36	1.03	0.13 U
3-Methylhexane	ND	0.73	0.61	0.52	0.59	1.07	0.40
1-Heptene	ND	ND	ND	ND	0.09 U	0.11 U	0.13 U
2,2,4-Trimethylpentane	0.17	0.69	0.62	1.06	0.23	0.74	0.24
n-Heptane	0.24	0.40	0.36	0.59	0.26	0.66	0.24
Methylcyclohexane	ND	0.53	0.36	0.64	0.15	0.65	0.14
2,2,3-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND
2,3,4-Trimethylpentane	ND	0.46	0.32	0.42	0.17	0.50	0.11 U
Toluene	1.04	1.71	2.57	2.41	0.79	1.53	0.76
2-Methylheptane	ND	0.36	0.17	0.40	ND	0.48	0.09 U
3-Methylheptane	ND	0.39	0.28	0.36	0.42	0.85	0.08 U
1-Octene	ND	ND	ND	ND	ND	ND	ND
n-Octane	0.10	0.54	0.37	0.49	0.18	0.62	0.22
Ethylbenzene	ND	0.39	0.87	0.85	0.23	0.49	0.14
m-Xylene/p-Xylene	0.18	0.73	1.98	1.25	0.82	1.31	0.42
Styrene	ND	ND	0.53	0.15	0.15	0.58	0.14
o-Xylene	ND	0.49	0.84	0.55	0.14	0.60	0.18
1-Nonene	ND	ND	ND	0.18 U	0.08 U	ND	0.07 U
n-Nonane	ND	0.50	0.90	0.41	0.11	0.48	0.14
Isopropylbenzene	ND	0.55	0.22	0.33	ND	0.47	ND
a-Pinene	ND	ND	0.26	ND	ND	ND	ND
n-Propylbenzene	ND	0.35	0.20	0.25	0.10 U	0.50	0.11 U
m-Ethyltoluene	ND	0.37	0.66	0.43	0.15	0.48	0.18
p-Ethyltoluene	ND	0.42	0.59	0.45	0.13 U	0.54	0.13 U
1,3,5-Trimethylbenzene	ND	0.33	0.74	0.30	0.10 U	0.35	0.08 U
o-Ethyltoluene	ND	0.38	0.74	0.31	0.10 U	0.47	0.09 U
b-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.10	0.52	0.94	0.66	0.27	0.75	0.27
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	ND	0.55	1.93	0.62	0.20	0.50	0.19
1,2,3-Trimethylbenzene	0.14	0.26	0.96	0.23	0.08	0.31	0.07 U
m-Diethylbenzene	ND	0.30	ND	0.20	0.06 U	0.39	0.07 U
p-Diethylbenzene	ND	ND	ND	0.12	0.06 U	0.22	ND
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	ND	0.34	0.86	0.82	0.23	0.35	0.27
1-Dodecene	ND	ND	ND	ND	ND	ND	ND
n-Dodecane	ND	0.25 U	1.12	0.84	0.09 U	0.14 U	0.09 U
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	ND	ND	ND	ND
TNMOC (speciated) in ug/m ³	11.17	39.17	45.01	65.47	36.02	59.67	33.18
TNMOC (w/ unknowns) in ppbC	32.94	99.93	125.15	143.87	144.15	180.85	138.40

NR Not reportable due to sampler contamination.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Cedar Rapids, Iowa Site 2 (C2IA) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ug/m³)

Sample No.:	C2IA 30585 R2	C2IA 30759	C2IA 30817	C2IA 30877	C2IA 30932	C2IA 31026	C2IA 31130
Sampling Date:	11/10/2002	11/16/2002	11/22/2002	11/28/2003	12/4/2002	12/10/2002	12/16/2002
Analysis Date:	12/17/2002	12/16/2002	12/18/2002	12/19/2002	12/23/2002	1/8/2003	1/11/2003
Filename:	N2LP016	N2LO016	N2LQ016	N2LR019	N2LW007	L3AH006	N3AJ013
Ethylene	1.64	1.85	1.30	1.05	2.95	3.70	2.18
Acetylene	0.93	0.31	0.72	1.05	1.23	2.18	0.72
Ethane	6.03	3.10	2.86	3.91	4.00	6.16	3.89
Propylene	0.79	0.79	0.39	0.36	0.72	1.43	1.18
Propane	7.43	3.15	2.66	4.17	3.50	6.16	3.42
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	1.52	0.56	0.62	0.90	1.67	1.44	1.01
Isobutene/1-Butene	1.99	0.85	0.85	0.50	0.60	4.08	3.62
1,3-Butadiene	ND	ND	0.05	U	0.07	U	0.15
n-Butane	3.24	1.74	1.84	2.77	2.38	5.12	2.57
trans-2-Butene	0.41	0.08	U	ND	ND	0.14	0.08
cis-2-Butene	0.50	0.07	U	ND	ND	0.29	0.12
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	3.21	1.57	1.78	1.57	1.51	3.37	1.57
1-Pentene	0.45	0.12	U	ND	0.11	U	0.28
2-Methyl-1-butene	ND	0.07	U	0.08	U	0.07	U
n-Pentane	1.41	0.68	0.62	0.87	0.75	1.62	0.80
Isoprene	0.54	0.09	ND	ND	ND	0.29	ND
trans-2-Pentene	0.53	0.09	0.05	U	0.05	U	0.19
cis-2-Pentene	0.59	0.11	U	0.05	U	ND	ND
2-Methyl-2-butene	ND	0.06	U	0.07	U	0.10	0.19
2,2-Dimethylbutane	0.76	0.13	0.06	U	0.07	0.11	0.19
Cyclopentene	ND	0.07	U	ND	ND	0.09	U
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.43	0.12	ND	0.05	U	0.07	U
2,3-Dimethylbutane	1.13	0.22	0.16	0.13	0.24	0.41	0.41
2-Methylpentane	0.83	0.37	0.67	0.43	0.52	2.25	4.20
3-Methylpentane	1.10	0.23	0.69	0.37	0.30	3.72	1.82
2-Methyl-1-pentene	ND	ND	ND	ND	ND	0.18	ND
1-Hexene	1.37	1.17	0.07	U	ND	0.10	U
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.93	0.27	0.97	0.46	0.52	1.64	0.71
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	0.22
Methylcyclopentane	0.68	0.22	0.35	0.18	0.22	0.73	1.68
2,4-Dimethylpentane	0.66	0.11	U	0.05	U	0.09	U
Benzene	1.15	0.92	0.75	0.65	1.01	1.51	0.67
Cyclohexane	0.81	0.16	0.07	U	0.09	0.17	0.31
2-Methylhexane	0.88	0.19	0.28	0.37	0.48	1.07	5.91
2,3-Dimethylpentane	1.10	0.20	0.10	U	0.11	0.30	1.90
3-Methylhexane	0.93	0.27	0.25	0.14	0.22	6.83	14.80
1-Heptene	0.18	0.18	0.09	U	0.05	U	0.08
2,2,4-Trimethylpentane	0.70	0.32	0.21	0.22	0.34	0.97	0.77
n-Heptane	0.63	0.21	0.19	0.18	0.25	0.93	0.17
Methylcyclohexane	0.65	0.10	0.09	0.08	U	0.15	1.16
2,2,3-Trimethylpentane	ND	ND	ND	0.07	U	ND	0.20
2,3,4-Trimethylpentane	0.50	0.13	0.05	U	0.10	0.18	0.23
Toluene	1.57	0.92	0.91	0.91	1.50	2.71	0.43
2-Methylheptane	0.48	0.09	U	0.05	U	0.08	U
3-Methylheptane	0.49	0.71	0.20	0.06	U	0.08	U
1-Octene	ND	ND	ND	0.07	U	ND	ND
n-Octane	0.67	0.22	0.11	0.13	0.14	0.33	0.33
Ethylbenzene	0.50	0.22	0.17	0.16	0.29	0.57	0.09
m-Xylene/p-Xylene	0.92	0.60	0.45	0.40	0.76	1.83	1.48
Styrene	0.45	0.07	0.05	0.04	0.09	ND	6.87
o-Xylene	0.47	0.19	0.18	0.15	0.46	0.40	0.19
1-Nonene	0.07	U	0.10	U	0.07	U	0.17
n-Nonane	0.46	0.16	0.11	0.08	U	0.12	0.22
Isopropylbenzene	0.52	ND	ND	ND	ND	ND	0.22
a-Pinene	ND	ND	ND	ND	ND	3.38	ND
n-Propylbenzene	0.48	0.17	0.07	U	ND	0.07	U
m-Ethyltoluene	0.47	0.21	0.19	0.12	0.19	0.33	0.18
p-Ethyltoluene	0.57	0.30	0.08	U	0.05	U	0.09
1,3,5-Trimethylbenzene	0.34	0.09	U	0.05	U	0.06	U
o-Ethyltoluene	0.44	0.15	U	0.04	U	0.07	U
b-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.68	0.50	0.27	0.15	0.58	0.55	0.39
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.49	0.17	0.10	U	0.09	U	0.12
1,2,3-Trimethylbenzene	0.32	0.10	ND	ND	0.06	U	0.16
m-Diethylbenzene	0.42	0.06	U	ND	ND	ND	ND
p-Diethylbenzene	0.26	ND	ND	ND	ND	ND	ND
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.44	0.24	0.12	U	0.09	U	0.27
1-Dodecene	ND	ND	ND	ND	ND	0.23	U
n-Dodecane	0.12	U	0.24	U	0.06	U	0.33
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	ND	ND	ND	ND
TNMOC (speciated) in ug/m ³	58.24	26.39	22.31	23.79	30.43	76.55	68.39
TNMOC (w/ unknowns) in ppbC	169.90	146.00	110.46	58.23	81.20	309.52	374.99

NR Not reportable due to sampler contamination.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Cedar Rapids, Iowa Site 2 (C2IA) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ug/m³)

Sample No.:	C2IA 31314	C2IA 31407	
Sampling Date:	12/22/2002	12/28/2002	
Analysis Date:	1/13/2003	1/14/2003	
Filename:	L3AM009	L2AM016	
Ethylene	0.68	1.97	
Acetylene	0.56	2.22	
Ethane	4.44	14.08	
Propylene	0.40	0.72	
Propane	4.01	12.06	
Propyne	ND	ND	
Isobutane	0.77	15.22	
Isobutene/1-Butene	0.59	0.69	
1,3-Butadiene	ND	ND	
n-Butane	1.72	8.41	
trans-2-Butene	ND	ND	
cis-2-Butene	ND	ND	
3-Methyl-1-butene	ND	ND	
Isopentane	1.35	5.61	
1-Pentene	ND	0.09	U
2-Methyl-1-butene	ND	0.14	U
n-Pentane	0.66	3.31	
Isoprene	ND	0.12	
trans-2-Pentene	ND	0.13	
cis-2-Pentene	ND	ND	
2-Methyl-2-butene	ND	0.18	
2,2-Dimethylbutane	ND	0.23	
Cyclopentene	ND	ND	
4-Methyl-1-pentene	ND	ND	
Cyclopentane	0.19	0.42	
2,3-Dimethylbutane	ND	0.39	
2-Methylpentane	0.24	2.10	
3-Methylpentane	0.70	1.86	
2-Methyl-1-pentene	ND	ND	
1-Hexene	ND	ND	
2-Ethyl-1-butene	ND	ND	
n-Hexane	0.32	2.55	
trans-2-Hexene	ND	ND	
cis-2-Hexene	ND	ND	
Methylcyclopentane	0.13	0.93	
2,4-Dimethylpentane	ND	0.14	
Benzene	0.56	2.77	
Cyclohexane	0.23	3.22	
2-Methylhexane	ND	0.39	
2,3-Dimethylpentane	ND	0.38	
3-Methylhexane	0.42	0.64	
1-Heptene	ND	0.16	
2,2,4-Trimethylpentane	ND	0.39	
n-Heptane	0.16	0.57	
Methylcyclohexane	ND	0.58	
2,2,3-Trimethylpentane	ND	ND	
2,3,4-Trimethylpentane	ND	0.19	
Toluene	0.48	3.41	
2-Methylheptane	ND	0.11	U
3-Methylheptane	ND	ND	
1-Octene	ND	ND	
n-Octane	ND	0.24	
Ethylbenzene	0.14	1.19	
m-Xylene/p-Xylene	0.21	2.59	
Styrene	ND	0.13	
o-Xylene	ND	1.40	
1-Nonene	ND	ND	
n-Nonane	ND	0.18	
Isopropylbenzene	ND	ND	
a-Pinene	ND	ND	
n-Propylbenzene	ND	0.11	U
m-Ethyltoluene	ND	0.24	
p-Ethyltoluene	ND	0.11	U
1,3,5-Trimethylbenzene	ND	0.13	
o-Ethyltoluene	ND	0.11	U
b-Pinene	ND	ND	
1,2,4-Trimethylbenzene	ND	0.31	
1-Decene	ND	ND	
n-Decane	ND	0.35	
1,2,3-Trimethylbenzene	ND	ND	
m-Diethylbenzene	ND	ND	
p-Diethylbenzene	ND	ND	
1-Undecene	ND	ND	
n-Undecane	ND	0.28	
1-Dodecene	ND	ND	
n-Dodecane	ND	0.18	U
1-Tridecene	ND	ND	
n-Tridecane	ND	ND	
TNMOC (speciated) in ug/m ³	18.96	93.89	
TNMOC (w/ unknowns) in ppbC	69.29	202.87	

NR Not reportable due to sampler contamination.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Custer, South Dakota (CUSD) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	CUSD 26523	CUSD 26559	CUSD 26665	CUSD 26866	CUSD 26942	CUSD 27061	CUSD 27271
Sampling Date:	3/21/2002	3/27/2002	4/2/2002	4/8/2002	4/14/2002	4/20/2002	4/26/2002
Analysis Date:	4/6/2002	4/6/2002	4/11/2002	4/26/2002	4/26/2002	5/1/2002	5/4/2002
Filename:	L2DE018	L2DE019	L2DK013	L2DZ004	L2DZ013	L2EA011	L2EC023
Ethylene	2.16	1.80	0.87	1.66	14.77	0.98	0.90
Acetylene	1.74	1.20	1.08	1.30	6.47	0.71	0.89
Ethane	8.41	7.42	5.38	5.44	9.02	4.46	6.54
Propylene	1.29	1.62	0.56	1.12	12.61	0.54	0.50
Propane	11.86	24.67	4.67	9.67	112.53	3.12	5.42
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	1.65	1.89	0.89	1.06	2.68	0.43	0.96
Isobutene/1-Butene	0.72	1.14	0.59	0.89	2.02	0.93	0.81
1,3-Butadiene	ND	ND	ND	ND	1.17	ND	ND
n-Butane	3.17	3.04	1.50	2.15	3.10	0.98	2.03
trans-2-Butene	0.30	0.39	0.17	U	0.46	0.23	0.20
cis-2-Butene	0.37	0.53	0.29	0.40	0.51	0.28	0.29
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	1.77	2.17	1.06	1.40	2.70	0.58	1.23
1-Pentene	0.25	0.29	0.14	U	0.77	0.81	0.23
2-Methyl-1-butene	ND	ND	ND	ND	0.28	ND	ND
n-Pentane	1.36	1.39	0.91	1.14	1.72	0.47	0.95
Isoprene	0.21	0.30	0.26	0.27	1.01	0.15	0.24
trans-2-Pentene	0.25	0.29	0.20	0.24	0.43	0.22	0.18
cis-2-Pentene	0.33	0.33	0.30	0.33	0.40	0.29	0.24
2-Methyl-2-butene	ND	0.15	U	ND	0.25	ND	ND
2,2-Dimethylbutane	0.52	0.52	0.42	0.41	0.67	0.35	0.36
Cyclopentene	ND	ND	ND	0.33	ND	ND	0.75
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.39	0.42	0.24	0.35	0.36	0.27	0.11
2,3-Dimethylbutane	0.54	0.67	0.48	0.47	0.61	0.46	0.45
2-Methylpentane	1.02	1.33	0.83	1.75	2.62	0.34	0.83
3-Methylpentane	0.69	0.73	0.46	0.63	0.88	0.51	0.97
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.53	0.55	0.43	0.51	0.79	0.37	0.50
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.76	0.87	0.44	0.69	1.01	0.39	0.56
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.48	0.51	0.32	0.41	0.55	0.27	0.38
2,4-Dimethylpentane	0.61	0.53	0.39	0.47	0.50	0.36	0.36
Benzene	1.71	1.21	0.94	1.21	3.82	0.87	0.78
Cyclohexane	0.47	0.61	0.55	0.40	0.50	0.42	0.54
2-Methylhexane	1.41	1.08	0.91	0.14	U	0.90	0.76
2,3-Dimethylpentane	0.88	0.99	0.69	0.75	0.94	0.78	0.84
3-Methylhexane	0.67	0.54	0.44	0.55	0.55	ND	ND
1-Heptene	ND	ND	ND	0.18	U	0.23	U
2,2,4-Trimethylpentane	0.57	0.56	0.34	0.54	0.76	0.35	0.49
n-Heptane	0.37	0.42	0.28	0.41	0.55	0.28	0.37
Methylcyclohexane	0.63	0.52	0.36	0.49	0.52	0.39	0.41
2,2,3-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND
2,3,4-Trimethylpentane	0.23	0.31	0.16	U	0.28	0.32	0.23
Toluene	1.23	1.43	1.70	1.38	3.13	0.59	0.75
2-Methylheptane	0.30	0.21	U	0.18	U	0.23	U
3-Methylheptane	0.23	0.24	0.20	0.25	0.30	0.23	0.22
1-Octene	ND	ND	ND	ND	0.19	U	ND
n-Octane	0.35	0.33	0.19	0.36	0.40	0.29	0.30
Ethylbenzene	0.29	0.32	0.18	0.25	0.59	0.17	0.18
m-Xylene/p-Xylene	0.59	0.56	0.27	0.74	1.22	0.28	0.33
Styrene	3.62	0.33	0.17	0.66	0.52	ND	0.28
o-Xylene	0.29	0.29	0.16	0.31	0.47	0.13	U
1-Nonene	ND	ND	ND	ND	ND	ND	ND
n-Nonane	0.15	U	0.22	0.16	0.26	0.19	0.20
Isopropylbenzene	0.18	U	0.21	U	0.31	0.23	U
α-Pinene	ND	ND	0.58	ND	0.20	U	ND
n-Propylbenzene	ND	0.20	U	ND	0.18	U	0.14
m-Ethyltoluene	ND	0.16	0.15	U	0.23	0.51	0.17
p-Ethyltoluene	0.15	U	0.21	U	0.23	U	0.16
1,3,5-Trimethylbenzene	0.19	U	0.16	U	0.17	U	0.19
o-Ethyltoluene	0.19	U	0.18	U	0.23	U	0.15
b-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.29	0.28	0.19	0.31	0.94	0.22	0.20
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.15	U	0.30	0.28	0.23	0.29	0.20
1,2,3-Trimethylbenzene	ND	0.16	ND	0.14	0.20	ND	0.18
m-Diethylbenzene	ND	ND	ND	ND	ND	ND	ND
p-Diethylbenzene	ND	ND	ND	ND	ND	ND	ND
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.49	0.38	0.84	0.34	0.41	0.25	U
1-Dodecene	ND	ND	ND	ND	0.33	U	ND
n-Dodecane	1.30	0.48	U	1.70	0.44	U	0.98
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	0.53	U	ND	0.51	U	0.13	U
TNMOC (speciated)	58.81	67.63	35.13	46.49	203.23	26.43	37.31
TNMOC (w/ unknowns)	97.32	79.39	42.52	73.85	226.32	60.16	55.68

U Under detection limit.

Custer, South Dakota (CUSD) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	CUSD 27413		CUSD 27490		CUSD 27627 D1		CUSD 27627 R1		CUSD 27629 D2		CUSD 27629 R2		CUSD 27703	
Sampling Date:	5/2/2002		5/8/2002		5/14/2002		5/14/2002		5/14/2002		5/14/2002		5/20/2002	
Analysis Date:	5/13/2002		5/16/2002		5/23/2002		5/23/2002		5/23/2002		5/23/2002		5/31/2002	
Filename:	L2EM012		L2EP010		L2EV020		L2EW007		L2EV021		L2EW008		L2E%005	
Ethylene	2.30		0.92		1.85		1.89		1.80		1.87		0.68	
Acetylene	2.35		0.81		1.47		1.49		1.44		1.37		0.49	
Ethane	5.58		4.25		5.79		5.83		5.85		5.94		4.55	
Propylene	2.00		0.63		1.44		1.41		1.35		1.42		0.50	
Propane	18.99		5.83		15.87		15.73		15.69		15.71		3.95	
Propyne	ND		ND		ND		ND		ND		ND		ND	
Isobutane	1.24		0.63		2.60		2.61		2.36		2.37		0.58	
Isobutene/1-Butene	0.86		0.69		1.28		1.34		1.29		1.25		0.67	
1,3-Butadiene	0.15	U	ND		ND		ND		ND		ND		ND	
n-Butane	2.10		1.20		5.98		5.96		5.24		5.14		1.28	
trans-2-Butene	0.28		0.22		0.74		0.70		0.65		0.61		0.26	
cis-2-Butene	0.38		0.31		0.80		0.80		0.65		0.63		0.33	
3-Methyl-1-butene	ND		ND		ND		ND		ND		ND		ND	
Isopentane	2.28		1.15		9.43		9.42		7.47		7.41		1.07	
1-Pentene	0.41		0.25		7.33		7.40		5.19		5.26		0.29	
2-Methyl-1-butene	0.16	U	ND		0.31		0.33		0.30		0.25		ND	
n-Pentane	1.46		0.68		4.60		4.67		3.76		3.84		0.69	
Isoprene	0.30		0.20		0.36		0.35		0.37		0.35		0.21	
trans-2-Pentene	0.35		0.25		0.71		0.72		0.58		0.61		0.21	
cis-2-Pentene	0.32		0.29		0.61		0.57		0.57		0.51		0.31	
2-Methyl-2-butene	0.14	U	ND		0.63		0.57		0.50		0.52		ND	
2,2-Dimethylbutane	0.41		0.37		0.60		0.51		0.62		0.60		0.50	
Cyclopentene	ND		ND		ND		ND		ND		ND		0.50	
4-Methyl-1-pentene	ND		ND		ND		ND		ND		ND		ND	
Cyclopentane	0.46		0.30		0.78		0.80		0.60		0.63		0.31	
2,3-Dimethylbutane	0.62		0.45		0.88		0.92		0.83		0.87		0.52	
2-Methylpentane	0.94		0.61		2.07		2.01		1.64		1.80		0.83	
3-Methylpentane	0.79		0.59		1.69		1.73		1.28		1.45		0.55	
2-Methyl-1-pentene	ND		ND		ND		ND		ND		ND		ND	
1-Hexene	0.47		0.44		0.58		0.62		0.50		0.62		0.53	
2-Ethyl-1-butene	ND		ND		ND		ND		ND		ND		ND	
n-Hexane	1.00		0.44		2.71		2.72		2.22		2.23		0.50	
trans-2-Hexene	ND		ND		ND		ND		ND		ND		ND	
cis-2-Hexene	ND		ND		ND		ND		ND		ND		ND	
Methylcyclopentane	0.59		0.35		1.10		1.09		0.95		1.00		0.31	
2,4-Dimethylpentane	0.51		0.35		0.69		0.73		0.64		0.67		0.40	
Benzene	1.53		0.84		2.01		2.07		1.83		1.90		0.67	
Cyclohexane	0.57		0.44		0.97		1.07		0.70		0.88		0.47	
2-Methylhexane	1.13		0.67		1.20		1.28		1.11		1.15		0.65	
2,3-Dimethylpentane	1.07		0.64		1.26		1.26		1.10		1.17		0.59	
3-Methylhexane	0.56		0.63		0.93		0.91		0.78		0.89		0.63	
1-Heptene	ND		ND		ND		ND		ND		ND		ND	
2,2,4-Trimethylpentane	1.00		0.42		1.47		1.47		1.34		1.28		0.37	
n-Heptane	0.52		0.31		0.77		0.76		0.67		0.72		0.29	
Methylcyclohexane	0.47		0.37		0.56		0.59		0.56		0.55		0.38	
2,2,3-Trimethylpentane	ND		ND		ND		ND		0.15	U	ND		ND	
2,3,4-Trimethylpentane	0.38		0.24		0.51		0.59		0.51		0.48		0.30	
Toluene	2.37		0.86		8.71		8.96		5.87		5.89		0.87	
2-Methylheptane	0.30		0.18	U	0.38		0.42		0.38		0.35		0.22	U
3-Methylheptane	0.31		0.23		0.46		0.45		0.39		0.43		0.21	
1-Octene	ND		ND		ND		ND		ND		ND		ND	
n-Octane	0.36		0.28		0.54		0.55		0.57		0.59		0.29	
Ethylbenzene	0.41		0.23		1.03		1.09		0.50		0.56		0.15	U
m-Xylene/p-Xylene	1.06		0.39		2.82		2.92		1.28		1.29		0.49	
Styrene	ND		0.32		0.29		0.24		ND		0.13		0.17	
o-Xylene	0.43		0.18		1.05		1.07		0.45		0.48		0.17	
1-Nonene	ND		ND		ND		ND		ND		ND		ND	
n-Nonane	0.24		0.18		0.38		0.42		0.39		0.37		0.18	
Isopropylbenzene	0.20	U	0.24	U	0.23	U	0.27	U	0.18	U	0.19	U	0.19	U
α-Pinene	ND		ND		ND		ND		0.13	U	ND		ND	
n-Propylbenzene	0.18	U	0.15	U	0.23	U	0.29	U	0.21	U	0.17	U	0.22	U
m-Ethyltoluene	0.30		0.18		0.80		0.72		0.45		0.44		0.15	U
p-Ethyltoluene	0.22	U	0.21	U	0.30	U	0.34	U	0.23	U	0.20	U	0.22	U
1,3,5-Trimethylbenzene	0.18	U	0.19	U	0.34	U	0.33	U	0.19	U	0.26	U	0.14	U
o-Ethyltoluene	0.27	U	0.16	U	0.28	U	0.29	U	0.25	U	0.23	U	0.18	U
β-Pinene	ND		ND		ND		ND		ND		ND		ND	
1,2,4-Trimethylbenzene	0.21		0.21		0.56		0.50		0.36		0.35		0.30	
1-Decene	ND		ND		ND		ND		ND		ND		ND	
n-Decane	0.39		ND		1.14		1.03		0.57		0.52		0.41	
1,2,3-Trimethylbenzene	ND		ND		0.16		0.23		ND		ND		0.14	
m-Diethylbenzene	ND		ND		0.17	U	ND		ND		ND		0.14	U
p-Diethylbenzene	ND		ND		ND		ND		ND		ND		ND	
1-Undecene	ND		ND		ND		ND		ND		ND		ND	
n-Undecane	0.42		0.38		3.94		3.46		1.19		0.70		1.50	
1-Dodecene	ND		ND		ND		ND		ND		ND		ND	
n-Dodecane	0.37	U	0.50	U	2.95		1.67		0.85		0.43	U	1.17	
1-Tridecene	ND		ND		ND		ND		ND		ND		ND	
n-Tridecane	ND		0.13	U	0.56	U	ND		0.17	U	ND		0.23	U
TNMOC (speciated)	62.86		31.91		109.89		108.06		87.67		87.50		33.08	
TNMOC (w/ unknowns)	68.28		41.55		120.58		117.79		182.15		100.13		52.65	

U Under detection limit.

Custer, South Dakota (CUSD) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	CUSD 27781	CUSD 27911	CUSD 28014	CUSD 28188	CUSD 28268	CUSD 28430 D1	CUSD 28430 R1
Sampling Date:	5/26/2002	6/1/2002	6/7/2002	6/13/2002	6/19/2002	6/25/2002	6/25/2002
Analysis Date:	6/7/2002	7/1/2002	7/3/2002	7/3/2002	7/19/2002	7/23/2002	8/14/2002
Filename:	L2FG006	L2GA007	L2GB016	L2GB021	N2GR013	N2GW004	L2HM022
Ethylene	1.31	1.70	0.90	1.19	1.55	2.27	3.58
Acetylene	0.83	1.05	0.58	0.72	1.09	1.29	1.09
Ethane	4.08	3.58	2.91	3.21	3.29	3.69	4.67
Propylene	0.89	1.74	1.06	1.03	1.61	2.18	2.80
Propane	11.72	22.55	11.65	8.96	17.89	43.70	43.24
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	3.84	3.39	1.33	0.78	1.87	1.64	2.12
Isobutene/1-Butene	0.82	1.03	0.69	0.79	2.22	2.09	2.96
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND
n-Butane	3.32	3.74	1.72	1.56	4.28	3.76	4.11
trans-2-Butene	0.25	0.53	0.26	0.27	0.44	0.36	1.85
cis-2-Butene	0.36	0.57	0.36	0.38	0.57	0.33	1.17
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	2.33	7.01	2.06	2.02	5.52	6.95	37.51
1-Pentene	0.28	35.34	0.27	0.36	0.50	0.41	0.82
2-Methyl-1-butene	0.18	U	0.34	U	0.52	0.56	0.68
n-Pentane	1.66	5.93	1.23	1.18	2.97	3.09	3.28
Isoprene	0.37	0.61	0.34	0.48	0.59	1.35	1.51
trans-2-Pentene	0.34	0.54	0.30	0.32	0.50	0.76	1.05
cis-2-Pentene	0.35	0.48	0.34	0.36	0.41	0.45	1.10
2-Methyl-2-butene	0.19	U	ND	0.16	U	0.38	0.47
2,2-Dimethylbutane	0.45	0.59	0.39	0.51	0.45	0.56	1.46
Cyclopentene	ND	ND	ND	ND	0.23	U	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.33	0.62	0.32	0.32	0.59	0.69	0.99
2,3-Dimethylbutane	0.61	0.82	0.54	0.62	0.73	0.99	1.85
2-Methylpentane	1.65	2.74	0.87	1.12	1.39	1.62	3.80
3-Methylpentane	1.00	1.49	0.75	0.87	1.27	0.98	1.73
2-Methyl-1-pentene	ND	ND	ND	ND	0.24	U	ND
1-Hexene	0.44	0.74	0.47	0.47	0.82	0.94	1.68
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	1.26	1.73	0.69	0.78	1.13	1.27	4.03
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	1.96	ND	ND
Methylcyclopentane	0.60	0.92	0.42	0.49	0.65	0.76	2.57
2,4-Dimethylpentane	0.48	0.70	0.44	0.45	0.51	0.57	1.42
Benzene	1.05	1.46	0.78	0.95	1.52	1.53	1.99
Cyclohexane	0.48	0.68	0.46	0.50	0.36	0.40	1.37
2-Methylhexane	0.70	1.01	0.63	0.68	1.21	1.34	2.72
2,3-Dimethylpentane	0.83	1.30	0.70	0.76	0.98	1.28	2.34
3-Methylhexane	0.98	1.01	0.79	0.73	0.60	1.09	1.20
1-Heptene	ND	0.24	U	ND	ND	ND	ND
2,2,4-Trimethylpentane	0.93	1.38	0.82	0.87	1.22	1.76	2.43
n-Heptane	0.51	0.84	0.44	0.40	0.53	0.64	0.96
Methylcyclohexane	0.39	0.80	0.39	0.39	0.42	0.36	0.98
2,2,3-Trimethylpentane	ND	0.21	U	ND	0.21	U	ND
2,3,4-Trimethylpentane	0.40	0.52	0.31	0.36	0.30	0.47	1.10
Toluene	3.00	6.15	1.75	2.10	3.04	3.77	3.38
2-Methylheptane	0.31	0.66	0.30	0.22	U	0.44	0.53
3-Methylheptane	0.31	0.68	0.33	0.25	0.32	0.44	0.75
1-Octene	ND	0.16	U	ND	ND	ND	ND
n-Octane	0.36	1.31	0.46	0.35	0.84	0.52	0.82
Ethylbenzene	0.37	0.62	0.26	0.39	0.56	0.64	0.52
m-Xylene/p-Xylene	1.07	1.95	0.63	0.80	1.66	2.16	1.46
Styrene	0.38	1.83	ND	0.34	0.29	0.33	2.47
o-Xylene	0.23	0.77	0.25	0.32	1.86	3.83	0.79
1-Nonene	ND	0.18	U	ND	ND	0.20	U
n-Nonane	0.32	0.61	0.20	0.44	0.49	0.52	0.51
Isopropylbenzene	0.18	U	0.22	U	0.13	U	0.60
α-Pinene	0.21	U	1.67	0.48	ND	0.85	3.20
n-Propylbenzene	0.17	U	0.34	0.16	U	0.23	U
m-Ethyltoluene	0.30	0.83	0.61	0.39	1.20	0.73	0.70
p-Ethyltoluene	0.26	U	0.46	0.18	U	0.43	0.46
1,3,5-Trimethylbenzene	0.23	0.54	0.21	0.25	0.35	0.28	0.50
o-Ethyltoluene	0.28	U	0.44	0.18	U	0.30	0.66
β-Pinene	0.14	U	ND	0.14	U	ND	ND
1,2,4-Trimethylbenzene	0.37	1.18	0.41	0.36	1.60	1.79	1.17
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	1.75	0.81	0.31	0.53	0.93	0.46	0.78
1,2,3-Trimethylbenzene	0.15	0.25	0.56	ND	1.53	0.22	ND
m-Diethylbenzene	0.14	U	ND	ND	0.23	U	0.59
p-Diethylbenzene	ND	ND	ND	ND	ND	0.26	ND
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.73	1.63	0.43	0.55	0.43	0.55	0.79
1-Dodecene	ND	0.14	U	ND	ND	ND	0.76
n-Dodecane	1.28	1.67	0.36	U	0.64	U	0.54
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	0.39	U	0.52	U	ND	ND	ND
TNMOC (speciated)	59.07	135.94	44.54	44.16	81.98	114.64	168.01
TNMOC (w/ unknowns)	76.32	172.97	56.00	55.97	199.81	181.43	224.13

U Under detection limit.

Custer, South Dakota (CUSD) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	CUSD 28432 D2	CUSD 28432 R2	CUSD 28542	CUSD 28551	CUSD 28767	CUSD 28806	CUSD 28877
Sampling Date:	6/25/2002	6/25/2002	7/1/2002	7/7/2002	7/13/2002	7/19/2002	7/25/2002
Analysis Date:	7/23/2002	8/14/2002	8/1/2002	8/2/2002	8/6/2002	8/9/2002	8/14/2002
Filename:	N2GW005	L2HM023	L2HA008	L2HA017	L2HE019	L2HI009	L2HM014
Ethylene	1.62	2.74	3.47	2.01	2.42	1.59	1.72
Acetylene	1.26	1.18	1.32	0.63	0.99	0.69	0.75
Ethane	3.69	4.71	4.70	5.05	3.50	6.21	3.85
Propylene	1.89	2.65	2.04	1.46	2.05	1.44	1.43
Propane	44.32	49.50	23.87	15.41	21.62	17.12	10.14
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	1.72	2.29	1.98	3.83	3.29	1.33	1.31
Isobutene/1-Butene	1.60	2.21	1.80	1.79	1.55	1.21	1.37
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND
n-Butane	3.73	4.68	4.35	9.55	3.65	2.77	2.60
trans-2-Butene	0.34	0.92	0.57	1.25	0.80	0.60	0.57
cis-2-Butene	0.47	1.27	0.85	1.56	1.04	0.76	0.77
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	5.28	6.05	22.25	10.39	5.22	3.78	2.97
1-Pentene	0.47	0.92	0.71	1.00	0.78	ND	0.77
2-Methyl-1-butene	0.48	0.46	0.60	0.74	0.63	0.45	0.20
n-Pentane	2.98	3.44	3.32	4.82	5.28	2.40	2.68
Isoprene	1.34	1.70	1.65	1.57	1.89	1.38	0.90
trans-2-Pentene	0.50	1.00	0.76	1.19	0.97	0.74	0.60
cis-2-Pentene	0.39	1.13	0.76	1.18	0.99	0.73	0.67
2-Methyl-2-butene	0.35	0.64	0.44	0.78	0.37	0.38	0.23
2,2-Dimethylbutane	0.45	1.64	0.84	1.39	1.29	0.99	0.98
Cyclopentene	0.18	ND	ND	ND	ND	0.23	0.21
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.65	1.07	0.76	1.03	0.85	0.71	0.65
2,3-Dimethylbutane	0.90	1.88	1.29	2.03	1.68	1.23	1.18
2-Methylpentane	1.69	3.17	3.76	2.35	2.56	1.81	1.34
3-Methylpentane	1.12	2.21	1.69	2.09	1.98	1.34	1.18
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.68	1.57	1.14	1.40	1.35	1.06	1.22
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	1.35	4.69	3.13	3.88	8.07	2.54	4.69
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.81	1.36	1.40	1.37	1.29	0.92	0.86
2,4-Dimethylpentane	0.63	1.56	0.98	1.37	1.38	0.94	0.87
Benzene	1.52	1.97	2.05	1.60	1.57	1.42	1.22
Cyclohexane	0.38	1.49	0.87	1.40	1.49	0.98	1.01
2-Methylhexane	1.10	2.08	1.45	1.57	1.78	1.21	1.25
2,3-Dimethylpentane	1.02	2.57	1.61	1.98	1.94	1.47	1.22
3-Methylhexane	0.66	1.14	1.17	1.07	1.05	0.69	0.68
1-Heptene	ND	ND	ND	ND	0.34	ND	0.29
2,2,4-Trimethylpentane	1.78	2.19	1.60	1.68	1.88	1.31	1.15
n-Heptane	0.53	1.04	0.83	0.88	0.84	0.70	0.62
Methylcyclohexane	0.37	1.30	0.76	0.92	0.98	0.83	0.74
2,2,3-Trimethylpentane	0.28	ND	ND	ND	ND	ND	ND
2,3,4-Trimethylpentane	0.56	0.97	0.74	0.81	0.88	0.58	0.56
Toluene	3.80	3.65	4.55	2.53	5.36	2.62	2.20
2-Methylheptane	0.35	0.35	0.48	0.53	0.60	0.48	0.37
3-Methylheptane	0.37	0.77	0.50	0.68	0.69	0.44	0.45
1-Octene	ND	ND	ND	ND	ND	ND	0.28
n-Octane	0.44	0.75	0.75	0.63	0.71	0.52	0.25
Ethylbenzene	0.61	0.74	0.57	0.60	0.72	0.48	0.42
m-Xylene/p-Xylene	2.06	1.61	1.48	1.01	1.56	1.32	0.86
Styrene	0.33	1.09	0.28	1.25	0.93	0.74	1.08
o-Xylene	1.10	0.83	0.67	0.57	0.78	0.54	0.42
1-Nonene	0.20	ND	ND	ND	ND	ND	0.21
n-Nonane	0.38	0.61	0.47	0.47	0.60	0.39	0.42
Isopropylbenzene	0.18	0.72	0.45	0.55	0.60	0.40	0.45
α-Pinene	3.51	ND	ND	0.45	0.76	0.47	3.08
n-Propylbenzene	0.28	0.46	0.21	0.38	0.48	0.34	0.37
m-Ethyltoluene	0.68	0.82	0.48	0.74	0.73	0.59	0.68
p-Ethyltoluene	0.41	0.61	0.30	0.49	0.65	0.38	0.39
1,3,5-Trimethylbenzene	0.34	0.50	0.39	0.40	0.68	0.33	0.38
o-Ethyltoluene	0.41	0.68	0.42	0.48	0.56	0.31	ND
β-Pinene	ND	ND	ND	6.22	3.49	2.95	ND
1,2,4-Trimethylbenzene	1.03	1.10	0.64	0.80	1.09	0.73	0.83
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.53	0.89	0.65	0.67	1.03	0.64	0.55
1,2,3-Trimethylbenzene	0.25	1.03	0.20	0.31	0.30	0.75	0.67
m-Diethylbenzene	0.28	0.66	0.47	0.74	0.92	0.44	0.84
p-Diethylbenzene	0.24	ND	ND	ND	ND	ND	ND
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.64	0.93	0.67	0.95	1.95	1.33	0.98
1-Dodecene	ND	ND	ND	ND	ND	ND	0.26
n-Dodecane	0.34	0.67	0.47	1.19	2.06	1.38	1.25
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	ND	0.56	0.23	0.23
TNMOC (speciated)	107.84	140.84	116.54	115.65	118.04	83.36	73.33
TNMOC (w/ unknowns)	139.30	164.60	167.55	140.65	146.21	109.51	204.24

Custer, South Dakota (CUSD) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	CUSD 29079	CUSD 29172	CUSD 29230	CUSD 29358	CUSD 29530	CUSD 29654	CUSD 29772
Sampling Date:	7/31/2002	8/6/2002	8/12/2002	8/18/2002	8/24/2002	8/30/2002	9/5/2002
Analysis Date:	8/16/2002	9/1/2002	9/4/2002	9/5/2002	9/18/2002	9/23/2002	9/25/2002
Filename:	L2H0011	L2H%019	L2ID005	L2IE007	L2IQ018	L2IW008	L2IX019
Ethylene	5.25	2.14	1.44	1.95	1.51	2.20	2.09
Acetylene	1.16	0.94	0.60	1.09	0.59	1.06	1.35
Ethane	6.12	4.47	3.57	4.79	3.02	5.29	4.98
Propylene	4.12	1.50	1.17	1.35	1.19	1.52	1.56
Propane	24.25	11.76	7.15	12.73	12.95	16.29	19.19
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	2.10	1.46	1.13	1.87	1.89	1.59	1.87
Isobutene/1-Butene	5.49	1.36	1.08	1.04	1.10	1.19	1.35
1,3-Butadiene	ND	ND	ND	ND	ND	0.13 U	ND
n-Butane	4.67	3.04	2.06	2.91	2.34	3.60	4.38
trans-2-Butene	0.80	0.53	0.60	0.39	0.71	0.41	0.60
cis-2-Butene	1.02	0.71	0.61	0.51	0.67	0.62	0.75
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	45.48	3.42	2.39	7.30	3.74	5.16	7.69
1-Pentene	0.23	ND	ND	0.32	ND	ND	0.70
2-Methyl-1-butene	0.97	0.38	ND	0.27	0.22 U	0.39	0.51
n-Pentane	3.90	2.13	1.52	6.57	2.21	2.79	13.50
Isoprene	1.43	0.94	0.39	0.93	0.67	1.36	1.69
trans-2-Pentene	1.04	0.62	0.48	0.52	0.50	0.53	0.80
cis-2-Pentene	1.10	0.62	0.47	0.52	0.56	0.59	0.68
2-Methyl-2-butene	0.59	0.47	0.19 U	0.32	0.27	0.32	0.56
2,2-Dimethylbutane	1.54	1.00	0.76	0.73	0.73	0.83	0.83
Cyclopentene	ND	ND	ND	0.53	ND	0.40	0.42
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.97	0.61	0.62	0.74	0.71	0.57	0.70
2,3-Dimethylbutane	1.61	1.08	0.87	0.78	0.95	1.03	1.17
2-Methylpentane	5.40	2.87	1.67	1.55	1.92	2.37	3.04
3-Methylpentane	1.69	1.19	0.86	1.10	1.10	1.58	1.87
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	1.42	0.81	0.69	0.51	0.77	0.81	0.69
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	2.78	1.37	1.30	2.06	1.66	1.29	1.64
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	1.71	0.88	0.61	0.71	0.65	0.92	1.21
2,4-Dimethylpentane	0.97	0.89	0.76	0.61	0.74	0.87	0.93
Benzene	1.95	1.18	0.73	1.30	0.94	1.64	1.89
Cyclohexane	1.19	0.74	0.65	1.84	0.87	0.78	1.20
2-Methylhexane	1.82	0.68	0.89	1.01	0.40	0.94	1.23
2,3-Dimethylpentane	1.59	1.37	1.14	1.18	1.06	1.23	1.66
3-Methylhexane	1.21	0.53	0.58	0.78	0.64	1.74	1.93
1-Heptene	0.38	ND	ND	ND	ND	0.26	ND
2,2,4-Trimethylpentane	1.64	1.42	0.77	1.16	0.93	1.48	1.92
n-Heptane	0.76	0.59	0.43	0.52	0.47	0.58	0.73
Methylcyclohexane	0.74	0.74	0.58	0.59	0.76	0.70	1.01
2,2,3-Trimethylpentane	0.22 U	ND	ND	ND	ND	ND	ND
2,3,4-Trimethylpentane	1.00	0.60	0.48	0.41	0.43	0.50	0.70
Toluene	3.15	2.61	1.25	21.40	4.86	3.16	9.68
2-Methylheptane	0.46	0.28	0.31	0.28	0.36	0.40	0.57
3-Methylheptane	0.50	0.43	0.31	0.33	0.40	0.39	0.56
1-Octene	0.39	ND	ND	ND	0.22 U	ND	ND
n-Octane	0.81	0.48	0.39	0.38	0.39	0.43	0.61
Ethylbenzene	0.47	0.36	0.31	0.40	0.44	0.47	0.78
m-Xylene/p-Xylene	1.32	1.03	0.59	1.03	0.76	1.34	2.35
Styrene	3.37	0.41	0.72	0.56	1.01	0.70	0.72
o-Xylene	0.76	0.51	0.36	0.49	0.43	0.54	0.99
1-Nonene	ND	ND	ND	ND	0.22 U	ND	ND
n-Nonane	0.57	0.27	0.27	0.28	0.31	0.37	0.61
Isopropylbenzene	0.50	0.35	0.36	0.28 U	0.34	0.32	0.41
α-Pinene	5.35	ND	ND	0.25 U	0.30 U	ND	0.60
n-Propylbenzene	0.56	0.20 U	ND	0.15 U	0.24 U	0.30	0.41
m-Ethyltoluene	0.64	0.39	0.27	0.27 U	0.44 U	0.78	1.00
p-Ethyltoluene	0.39	0.22 U	0.21 U	0.24 U	0.24 U	0.26 U	0.47
1,3,5-Trimethylbenzene	0.33	0.26	0.26	0.23	0.29	0.31	0.55
o-Ethyltoluene	0.40	0.29 U	0.24 U	0.29	0.27 U	0.30	0.50
β-Pinene	2.85	1.34	1.06	0.88	ND	ND	ND
1,2,4-Trimethylbenzene	1.00	0.52	0.48	0.42	0.62	0.68	1.14
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.81	0.31	0.31	1.43	0.56	0.56	1.40
1,2,3-Trimethylbenzene	0.53	ND	ND	0.20	0.20	ND	1.52
m-Diethylbenzene	1.82	0.27 U	0.32	0.19 U	0.36	ND	0.68
p-Diethylbenzene	1.20	ND	ND	ND	ND	ND	ND
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	1.42	0.30 U	0.37	4.32	1.02	0.58	2.79
1-Dodecene	ND	ND	ND	ND	ND	ND	ND
n-Dodecane	0.62 U	0.32 U	0.34 U	3.24 U	0.74 U	0.65 U	2.26
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	3.02	ND	ND	0.58 U	ND	ND	0.44 U
TNMOC (speciated)	173.55	66.15	47.99	101.55	64.86	78.06	119.98
TNMOC (w/ unknowns)	322.49	116.44	61.92	129.82	89.04	99.89	146.99

U Under detection limit.

Custer, South Dakota (CUSD) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	CUSD 29874 D1	CUSD 29874 R1	CUSD 29876 D2	CUSD 29876 R2	CUSD 29934	CUSD 30021	CUSD 30063
Sampling Date:	9/11/2002	9/11/2002	9/11/2002	9/11/2002	9/17/2002	9/23/2002	9/29/2002
Analysis Date:	10/11/2002	10/15/2002	10/11/2002	10/16/2002	10/16/2002	10/17/2002	10/17/2002
Filename:	L2JJ023	L2J0015	L2JJ024	L2J0016	L2J0020	L2JQ006	L2JQ018
Ethylene	2.78	2.75	1.81	1.81	1.99	1.67	1.90
Acetylene	1.06	0.95	1.08	1.01	0.48	0.88	1.04
Ethane	3.57	3.68	4.00	3.51	3.87	4.85	5.64
Propylene	1.48	1.53	1.12	1.21	0.99	1.23	1.44
Propane	13.04	11.87	12.18	11.77	3.89	10.40	25.54
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	1.72	1.75	1.66	1.72	0.74	1.16	2.32
Isobutene/1-Butene	1.53	1.47	1.08	1.14	1.13	0.86	1.12
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND
n-Butane	3.74	3.65	3.74	3.62	1.34	2.48	4.01
trans-2-Butene	0.57	0.59	0.57	0.56	0.37	0.46	0.57
cis-2-Butene	0.72	0.74	0.76	0.74	0.43	0.60	0.77
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	6.35	6.37	5.59	5.43	2.45	3.94	9.39
1-Pentene	ND	0.25	ND	0.37	0.40	ND	0.41
2-Methyl-1-butene	0.43	0.45	0.36	0.36	ND	0.30	0.40
n-Pentane	2.43	2.32	2.45	2.28	0.76	2.63	17.62
Isoprene	0.90	0.54	0.70	0.69	0.42	0.31	0.81
trans-2-Pentene	0.75	0.65	0.70	0.58	0.26	0.57	0.79
cis-2-Pentene	0.63	0.56	0.56	0.59	0.39	0.54	0.66
2-Methyl-2-butene	0.57	0.45	0.45	0.42	ND	0.37	0.57
2,2-Dimethylbutane	0.74	0.70	0.67	0.68	0.54	0.60	0.78
Cyclopentene	0.52	0.39	ND	ND	0.34	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.79	0.60	0.71	0.64	0.44	0.48	0.88
2,3-Dimethylbutane	0.99	0.94	0.95	0.91	0.71	0.84	1.02
2-Methylpentane	1.51	1.51	1.51	1.52	0.47	1.18	1.70
3-Methylpentane	2.51	2.86	1.34	1.28	1.67	1.05	1.48
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.69	0.75	0.48	0.65	0.71	0.58	0.63
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	1.07	1.06	1.20	1.07	0.44	1.16	1.80
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.88	0.76	0.80	0.87	0.51	0.87	1.08
2,4-Dimethylpentane	0.74	0.76	0.68	0.73	0.52	0.70	0.79
Benzene	1.40	1.24	1.23	1.31	0.65	1.52	1.64
Cyclohexane	0.92	0.85	0.62	0.76	0.79	0.89	2.06
2-Methylhexane	0.77	1.43	0.35	1.38	0.91	1.29	1.51
2,3-Dimethylpentane	0.96	1.32	0.82	1.38	1.05	0.93	1.44
3-Methylhexane	2.64	2.68	0.42	0.47	2.82	0.27	0.37
1-Heptene	1.30	ND	ND	ND	0.35	ND	ND
2,2,4-Trimethylpentane	0.33	1.12	1.05	1.21	0.30	0.66	1.38
n-Heptane	0.66	0.55	0.55	0.63	0.47	0.50	0.70
Methylcyclohexane	0.61	0.55	0.50	0.55	0.59	0.54	0.62
2,2,3-Trimethylpentane	ND	ND	ND	ND	0.25	ND	ND
2,3,4-Trimethylpentane	0.51	0.61	0.44	0.50	0.42	0.62	0.61
Toluene	2.72	2.73	2.45	2.38	0.81	5.52	22.88
2-Methylheptane	0.60	0.56	0.42	0.53	0.34	0.72	0.59
3-Methylheptane	0.44	0.47	0.65	0.45	0.30	0.48	0.48
1-Octene	ND	ND	ND	0.25	ND	ND	ND
n-Octane	0.61	0.50	0.64	0.41	0.44	0.54	0.59
Ethylbenzene	0.48	0.44	0.51	0.65	0.20	0.48	0.70
m-Xylene/p-Xylene	1.31	1.44	1.19	1.15	0.42	1.35	1.63
Styrene	ND	2.21	0.51	0.42	ND	0.56	0.29
o-Xylene	0.65	0.57	0.56	0.53	0.22	0.56	0.71
1-Nonene	ND	ND	ND	ND	ND	ND	ND
n-Nonane	0.46	0.40	0.36	0.36	0.36	0.37	0.58
Isopropylbenzene	0.39	0.48	0.31	0.52	0.59	0.51	0.50
α-Pinene	2.09	2.15	2.11	2.27	ND	ND	0.61
n-Propylbenzene	0.26	U	0.23	U	0.27	U	0.40
m-Ethyltoluene	0.69	0.69	0.60	0.63	U	0.47	0.68
p-Ethyltoluene	0.53	0.35	0.37	0.23	U	0.35	0.48
1,3,5-Trimethylbenzene	0.34	0.39	0.29	0.39	0.23	0.28	0.42
o-Ethyltoluene	0.67	0.54	0.40	0.40	0.30	0.49	0.36
β-Pinene	2.24	2.08	0.50	0.36	ND	0.38	ND
1,2,4-Trimethylbenzene	0.65	0.66	0.57	0.58	0.49	0.56	0.84
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	1.77	1.83	0.32	2.15	1.36	1.07	1.17
1,2,3-Trimethylbenzene	ND	ND	0.25	0.20	ND	ND	0.22
m-Diethylbenzene	0.31	0.26	U	0.23	U	ND	ND
p-Diethylbenzene	ND	ND	ND	ND	ND	ND	ND
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	2.82	2.54	0.54	0.50	0.33	U	2.85
1-Dodecene	0.33	U	ND	ND	ND	0.26	U
n-Dodecane	1.62	1.36	0.26	U	ND	1.41	1.87
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	ND	ND	ND	ND
TNMOC (speciated)	84.77	84.14	67.13	70.17	41.91	66.43	134.26
TNMOC (w/ unknowns)	164.97	153.47	94.78	97.91	99.12	79.82	157.75

U Under detection limit.

Custer, South Dakota (CUSD) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	CUSD 30128	CUSD 30246	CUSD 30314	CUSD 30415 D1	CUSD 30415 R1	CUSD 30413 D2	CUSD 30413 R2
Sampling Date:	10/5/2002	10/11/2002	10/17/2002	10/23/2002	10/23/2002	10/23/2002	10/23/2002
Analysis Date:	10/22/2002	11/11/2002	11/13/2002	11/22/2002	12/4/2002	11/22/2002	12/4/2002
Filename:	L2JV014	N2KJ013	N2KL023	N2KU013	N2LC015	N2KU014	N2LC016
Ethylene	2.62	2.86	3.79	4.09	4.87	4.08	4.96
Acetylene	1.73	2.37	3.08	2.61	1.19	2.58	1.59
Ethane	5.12	6.53	6.64	7.12	9.15	7.09	8.96
Propylene	1.78	1.85	2.17	1.71	2.09	1.67	2.04
Propane	16.40	53.05	50.32	20.15	23.67	20.09	23.92
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	1.26	3.78	3.88	1.29	1.56	1.33	1.55
Isobutene/1-Butene	1.21	1.65	1.31	0.92	1.28	1.69	2.26
1,3-Butadiene	ND	0.18 U	0.28	0.18 U	0.22 U	0.18 U	0.23 U
n-Butane	2.23	6.35	6.84	2.65	3.08	2.70	3.15
trans-2-Butene	0.39	0.59	0.58	0.18 U	0.22	0.18 U	0.23
cis-2-Butene	0.52	0.63	0.52	0.14 U	0.13 U	0.18 U	0.19 U
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	4.37	12.88	12.36	2.25	2.65	2.28	2.66
1-Pentene	ND	0.59	0.73	0.11 U	ND	0.14 U	ND
2-Methyl-1-butene	0.24 U	0.74	0.69	0.15 U	0.17 U	0.13 U	0.17 U
n-Pentane	2.51	32.86	12.85	1.47	1.74	1.50	1.84
Isoprene	0.52	0.44	0.37	0.23	0.23	0.25	0.26
trans-2-Pentene	0.43	1.41	1.06	0.25	0.29	0.21	0.26
cis-2-Pentene	0.45	0.79	0.67	0.23	0.28	0.23	0.24
2-Methyl-2-butene	0.29	1.15	1.09	0.13 U	ND	0.19 U	0.26
2,2-Dimethylbutane	0.71	0.43	0.80	0.26	0.28	0.60	0.56
Cyclopentene	ND	0.34	ND	ND	ND	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.64	0.67	ND	0.24	0.35	0.24	0.27
2,3-Dimethylbutane	1.11	0.83	0.88	0.40	0.46	0.32	0.50
2-Methylpentane	1.46	3.25	3.03	0.86	1.01	0.81	0.95
3-Methylpentane	1.32	2.43	2.21	0.72	0.72	0.53	0.62
2-Methyl-1-pentene	ND	ND	ND	ND	0.42	ND	ND
1-Hexene	0.48	0.87	0.45	0.33	0.67	0.42	0.29
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	1.32	3.53	2.76	0.83	1.04	0.87	1.01
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	0.22 U	ND	ND	ND	ND	ND
Methylcyclopentane	0.87	1.74	1.53	0.52	0.53	0.60	0.49
2,4-Dimethylpentane	0.85	0.73	0.81	0.54	0.45	0.34	0.31
Benzene	1.90	4.03	4.05	2.00	2.50	2.48	2.93
Cyclohexane	0.65	1.41	0.72	0.27	0.28	0.28	0.38
2-Methylhexane	0.57	2.67	5.02	1.09	0.79	1.11	0.48
2,3-Dimethylpentane	1.53	0.99	2.70	0.37	0.60	0.57	0.82
3-Methylhexane	0.46	1.55	4.37	0.48	0.66	ND	6.80
1-Heptene	ND	0.26	ND	0.23 U	0.27	0.19 U	0.19 U
2,2,4-Trimethylpentane	2.25	1.83	2.24	0.84	1.21	0.89	1.00
n-Heptane	0.69	1.63	2.52	0.59	0.64	0.53	0.60
Methylcyclohexane	0.40	0.82	0.87	0.29	0.44	0.27	0.27
2,2,3-Trimethylpentane	0.27	0.45	0.49	0.24	0.22 U	0.13 U	0.17 U
2,3,4-Trimethylpentane	0.87	0.51	0.56	0.31	0.53	0.20	0.34
Toluene	6.39	22.77	23.03	2.57	3.05	2.68	3.31
2-Methylheptane	0.54	0.62	0.50	0.19 U	0.18 U	0.24 U	0.74
3-Methylheptane	0.45	0.65	0.51	0.23	0.23	0.71	0.93
1-Octene	ND	1.35	ND	0.18 U	0.15 U	ND	ND
n-Octane	0.65	0.84	0.73	0.31	0.33	0.26	0.29
Ethylbenzene	0.60	1.65	1.44	0.37	0.56	0.40	0.46
m-Xylene/p-Xylene	1.82	5.27	4.60	1.21	1.39	1.42	1.69
Styrene	0.22	1.37	0.40	ND	0.17	0.18	0.29
o-Xylene	0.90	1.82	1.42	0.46	0.58	0.64	0.78
1-Nonene	ND	0.33	0.23 U	ND	0.15 U	ND	ND
n-Nonane	0.30	0.42	0.38	0.19	0.26	0.17	0.21
Isopropylbenzene	0.28 U	0.23 U	ND	ND	ND	ND	ND
α-Pinene	0.23 U	ND	ND	ND	ND	ND	0.21 U
n-Propylbenzene	0.24 U	0.49	0.39	0.15 U	0.25 U	0.18 U	0.31
m-Ethyltoluene	0.40	1.44	1.28	0.24	0.25	0.30	0.38
p-Ethyltoluene	0.37	0.61	0.54	0.19 U	0.26 U	0.22 U	0.29 U
1,3,5-Trimethylbenzene	0.46	0.61	0.42	ND	0.18 U	0.16 U	0.26
o-Ethyltoluene	0.35	0.46	0.32	ND	ND	0.16 U	0.14 U
β-Pinene	0.22 U	ND	ND	ND	ND	ND	0.13 U
1,2,4-Trimethylbenzene	0.60	1.33	0.81	0.32	0.37	0.54	0.77
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.46	1.18	1.05	0.21	0.30	0.24	0.29
1,2,3-Trimethylbenzene	0.20	0.29	0.23	ND	0.14	0.14	ND
m-Diethylbenzene	0.25 U	ND	ND	ND	ND	ND	0.18 U
p-Diethylbenzene	0.25	0.21	ND	ND	ND	ND	ND
1-Undecene	ND	ND	ND	ND	ND	ND	0.15 U
n-Undecane	0.60	2.32	2.59	0.30 U	0.33	0.28 U	0.44
1-Dodecene	ND	ND	ND	ND	ND	ND	ND
n-Dodecane	0.55 U	1.66	0.88	ND	ND	0.19 U	ND
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	ND	ND	ND	ND
TNMOC (speciated)	77.73	209.81	186.96	64.33	75.95	67.15	85.98
TNMOC (w/ unknowns)	97.81	230.92	204.44	90.05	126.40	115.09	164.02

Custer, South Dakota (CUSD) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	CUSD 30480	CUSD 30573	CUSD 30649	CUSD 30747	CUSD 30857	CUSD 30887	CUSD 30996
Sampling Date:	10/29/2002	11/4/2002	11/10/2002	11/16/2002	11/22/2002	11/28/2002	12/4/2002
Analysis Date:	11/26/2002	12/4/2002	12/13/2002	12/16/2002	12/17/2002	12/21/2002	12/23/2002
Filename:	L2KZ006	L2LC021	N2LM008	N2LO015	N2LQ012	N2LT015	N2LW008
Ethylene	2.33	3.02	2.35	5.24	2.64	0.80	4.12
Acetylene	1.22	1.89	1.85	3.49	1.76	0.80	3.17
Ethane	6.28	5.66	5.03	8.10	5.79	3.11	10.24
Propylene	0.92	1.49	1.00	3.28	1.73	0.46	1.29
Propane	4.36	7.96	11.78	74.98	35.69	8.68	20.53
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	1.01	1.68	1.25	3.35	2.19	0.69	2.45
Isobutene/1-Butene	0.76	1.25	0.65	1.65	1.42	0.43	0.67
1,3-Butadiene	ND	ND	0.13	0.31	0.11	ND	0.28
n-Butane	1.66	2.57	2.25	6.06	3.61	1.27	6.27
trans-2-Butene	0.26	0.64	0.14	0.27	0.12	ND	ND
cis-2-Butene	0.29	0.97	0.20	0.25	0.09	ND	ND
3-Methyl-1-butene	ND	ND	ND	0.10	ND	ND	ND
Isopentane	3.98	3.46	2.80	5.55	3.46	1.13	3.01
1-Pentene	ND	0.82	0.61	ND	ND	0.13	ND
2-Methyl-1-butene	ND	0.20	0.11	0.31	0.17	ND	0.14
n-Pentane	0.84	2.07	2.40	2.94	1.90	1.58	3.27
Isoprene	ND	0.51	0.22	0.25	0.08	ND	0.18
trans-2-Pentene	ND	0.69	0.20	0.63	0.22	ND	0.11
cis-2-Pentene	0.31	0.67	0.20	0.30	0.11	ND	ND
2-Methyl-2-butene	ND	0.23	0.13	0.27	0.22	ND	0.18
2,2-Dimethylbutane	0.56	1.05	0.23	0.34	0.13	ND	0.12
Cyclopentene	ND	ND	ND	ND	ND	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.26	0.71	0.19	0.42	0.25	0.18	0.20
2,3-Dimethylbutane	0.91	1.39	0.31	0.65	0.35	0.15	0.27
2-Methylpentane	0.48	1.25	0.58	1.82	1.09	0.39	1.11
3-Methylpentane	0.62	1.45	0.49	1.26	0.84	0.22	0.72
2-Methyl-1-pentene	ND	ND	ND	ND	0.29	ND	ND
1-Hexene	0.63	0.93	0.20	0.33	0.13	ND	ND
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.53	1.56	0.74	1.44	1.01	0.36	1.59
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.99	1.01	0.39	0.73	0.54	0.14	0.60
2,4-Dimethylpentane	0.44	1.06	0.23	0.52	0.21	ND	0.15
Benzene	1.21	2.00	1.51	3.04	1.45	0.73	2.44
Cyclohexane	0.52	1.07	0.37	0.39	0.30	0.12	0.30
2-Methylhexane	ND	0.45	0.16	0.80	0.81	0.16	1.05
2,3-Dimethylpentane	1.25	1.35	0.27	0.64	0.50	0.19	0.29
3-Methylhexane	0.78	0.73	0.40	0.63	0.46	0.13	0.45
1-Heptene	ND	ND	0.12	ND	0.14	ND	0.12
2,2,4-Trimethylpentane	0.70	1.42	0.58	1.58	0.72	0.31	0.56
n-Heptane	0.46	0.82	0.55	0.68	0.44	0.23	0.69
Methylcyclohexane	0.61	0.91	0.32	0.51	0.41	0.13	0.36
2,2,3-Trimethylpentane	ND	ND	ND	0.32	0.23	ND	0.12
2,3,4-Trimethylpentane	0.51	0.73	0.27	0.53	0.24	0.12	0.21
Toluene	3.66	2.90	2.18	4.85	2.98	0.85	2.69
2-Methylheptane	0.33	0.59	0.15	0.23	0.13	ND	0.14
3-Methylheptane	0.44	0.69	0.16	0.33	0.13	ND	0.12
1-Octene	ND	ND	ND	ND	0.35	ND	ND
n-Octane	0.56	0.63	0.35	0.41	0.30	0.10	0.34
Ethylbenzene	1.66	0.68	0.33	0.67	0.30	0.11	0.52
m-Xylene/p-Xylene	3.69	1.25	0.94	2.33	1.21	0.41	1.15
Styrene	0.44	ND	0.29	ND	ND	ND	0.15
o-Xylene	1.33	0.62	0.32	0.81	0.38	0.15	0.41
1-Nonene	ND	ND	ND	0.14	0.10	ND	0.12
n-Nonane	1.72	0.49	0.21	0.29	0.17	ND	0.15
Isopropylbenzene	0.53	0.60	ND	0.16	ND	ND	ND
α-Pinene	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.62	0.36	0.14	0.24	0.11	ND	ND
m-Ethyltoluene	1.40	0.43	0.25	0.40	0.23	ND	0.24
p-Ethyltoluene	1.33	0.47	0.22	0.28	0.12	ND	0.11
1,3,5-Trimethylbenzene	1.02	0.34	0.15	0.19	0.09	ND	ND
o-Ethyltoluene	0.32	0.41	0.11	0.22	0.07	ND	ND
β-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	1.68	0.42	0.35	0.40	0.27	0.13	0.22
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	3.74	0.57	0.52	0.27	0.17	0.24	0.11
1,2,3-Trimethylbenzene	0.36	ND	ND	0.17	ND	ND	ND
m-Diethylbenzene	ND	ND	ND	0.11	ND	ND	ND
p-Diethylbenzene	ND	ND	ND	0.12	ND	ND	ND
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	1.89	0.43	0.90	0.25	0.37	0.65	0.21
1-Dodecene	ND	ND	ND	ND	ND	ND	ND
n-Dodecane	1.90	0.33	0.59	ND	0.15	0.15	0.16
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	ND	ND	ND	ND
TNMOC (speciated)	64.27	67.86	49.34	146.80	79.45	25.40	74.08
TNMOC (w/ unknowns)	117.24	78.92	65.49	174.19	139.65	37.12	85.81

U Under detection limit.

Custer, South Dakota (CUSD) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ppbC)

Sample No.:	CUSD 31107	CUSD 31285	CUSD 31283	CUSD 31379		
Sampling Date:	12/10/2002	12/16/2002	12/22/2002	12/28/2002		
Analysis Date:	1/8/2003	1/11/2003	1/13/2003	1/17/2003		
Filename:	L3AG023	N3AJ019	L3AM012	L3AQ012		
Ethylene	5.55	5.06	3.71	2.83		
Acetylene	4.28	3.55	2.59	2.37		
Ethane	10.66	7.00	6.60	8.21		
Propylene	2.41	2.81	1.73	1.56		
Propane	42.23	34.36	26.05	29.85		
Propyne	ND	ND	ND	ND		
Isobutane	3.01	3.18	1.50	4.71		
Isobutene/1-Butene	1.15	4.52	0.77	0.98		
1,3-Butadiene	0.34	0.26	U	0.19		
n-Butane	4.70	4.57	2.20	5.63		
trans-2-Butene	0.19	0.23	ND	0.27		
cis-2-Butene	0.24	0.32	ND	0.24		
3-Methyl-1-butene	ND	0.15	U	ND		
Isopentane	5.17	3.73	2.06	12.44		
1-Pentene	0.70	6.92	0.15	U	0.37	
2-Methyl-1-butene	0.30	0.49	0.19	U	0.23	
n-Pentane	2.88	2.49	1.57	8.91		
Isoprene	0.23	0.30	ND	ND		
trans-2-Pentene	0.28	0.24	ND	0.25		
cis-2-Pentene	ND	0.18	U	ND		
2-Methyl-2-butene	ND	ND	ND	0.30		
2,2-Dimethylbutane	0.21	0.19	ND	0.35		
Cyclopentene	ND	ND	ND	ND		
4-Methyl-1-pentene	ND	0.60	ND	ND		
Cyclopentane	0.48	0.32	0.49	1.19		
2,3-Dimethylbutane	0.45	0.60	0.25	0.71		
2-Methylpentane	1.79	4.82	0.66	3.26		
3-Methylpentane	1.18	1.11	0.53	2.11		
2-Methyl-1-pentene	ND	ND	ND	ND		
1-Hexene	ND	0.74	ND	ND		
2-Ethyl-1-butene	ND	ND	ND	ND		
n-Hexane	1.64	1.30	0.76	1.51		
trans-2-Hexene	ND	ND	ND	ND		
cis-2-Hexene	ND	0.62	ND	ND		
Methylcyclopentane	0.88	2.66	0.47	0.76		
2,4-Dimethylpentane	0.38	0.75	0.21	0.23		
Benzene	3.21	2.38	2.41	1.90		
Cyclohexane	0.55	0.52	0.24	0.92		
2-Methylhexane	1.81	5.44	ND	1.05		
2,3-Dimethylpentane	1.09	ND	ND	0.88		
3-Methylhexane	0.90	32.79	0.26	0.67		
1-Heptene	0.24	U	0.50	ND	0.19	
2,2,4-Trimethylpentane	1.08	1.69	0.60	0.80		
n-Heptane	0.76	0.48	0.38	0.61		
Methylcyclohexane	0.55	2.33	ND	0.55		
2,2,3-Trimethylpentane	ND	0.59	ND	ND		
2,3,4-Trimethylpentane	0.39	0.39	ND	0.25		
Toluene	5.26	4.24	2.76	7.31		
2-Methylheptane	0.26	2.81	ND	ND		
3-Methylheptane	0.27	0.17	U	ND	ND	
1-Octene	ND	ND	ND	ND		
n-Octane	0.39	0.57	0.23	0.36		
Ethylbenzene	0.57	0.40	0.34	0.36		
m-Xylene/p-Xylene	1.90	5.34	1.06	1.39		
Styrene	ND	ND	ND	ND		
o-Xylene	0.65	0.82	0.47	0.57		
1-Nonene	ND	0.55	ND	ND		
n-Nonane	ND	0.66	ND	ND		
Isopropylbenzene	ND	0.63	ND	ND		
α-Pinene	0.28	U	3.16	ND	ND	
n-Propylbenzene	ND	0.72	ND	ND		
m-Ethyltoluene	0.51	0.34	ND	0.23		
p-Ethyltoluene	ND	0.50	ND	ND		
1,3,5-Trimethylbenzene	ND	0.40	ND	0.20		
o-Ethyltoluene	ND	0.21	U	ND	ND	
β-Pinene	ND	ND	ND	ND		
1,2,4-Trimethylbenzene	0.25	1.25	ND	ND		
1-Decene	ND	ND	ND	ND		
n-Decane	0.23	0.40	0.21	0.21		
1,2,3-Trimethylbenzene	ND	0.42	ND	ND		
m-Diethylbenzene	ND	ND	ND	ND		
p-Diethylbenzene	ND	ND	ND	ND		
1-Undecene	ND	ND	ND	ND		
n-Undecane	0.34	0.31	U	ND	0.19	
1-Dodecene	ND	ND	ND	ND		
n-Dodecane	0.29	U	0.15	U	0.34	0.17
1-Tridecene	ND	0.12	U	ND	ND	
n-Tridecane	ND	ND	ND	ND		
TNMOC (speciated)	113.11	165.30	61.76	108.27		
TNMOC (w/ unknowns)	190.27	456.71	82.77	149.54		

Custer, South Dakota (CUSD) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbV)

Sample No.:	CUSD 26523	CUSD 26559	CUSD 26665	CUSD 26866	CUSD 26942	CUSD 27061	CUSD 27271
Sampling Date:	3/21/2002	3/27/2002	4/2/2002	4/8/2002	4/14/2002	4/20/2002	4/26/2002
Analysis Date:	4/6/2002	4/6/2002	4/11/2002	4/26/2002	4/26/2002	5/1/2002	5/4/2002
Filename:	L2DE018	L2DE019	L2DK013	L2DZ004	L2DZ013	L2EA011	L2EC023
Ethylene	1.08	0.90	0.43	0.83	7.38	0.49	0.45
Acetylene	0.87	0.60	0.54	0.65	3.24	0.36	0.44
Ethane	4.20	3.71	2.69	2.72	4.51	2.23	3.27
Propylene	0.43	0.54	0.19	0.37	4.20	0.18	0.17
Propane	3.95	8.22	1.56	3.22	37.51	1.04	1.81
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.41	0.47	0.22	0.27	0.67	0.11	0.24
Isobutene/1-Butene	0.18	0.28	0.15	0.22	0.51	0.23	0.20
1,3-Butadiene	ND	ND	ND	ND	0.29	ND	ND
n-Butane	0.79	0.76	0.37	0.54	0.77	0.25	0.51
trans-2-Butene	0.08	0.10	0.04	U	0.12	0.06	0.05
cis-2-Butene	0.09	0.13	0.07	0.10	0.13	0.07	0.07
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	0.35	0.43	0.21	0.28	0.54	0.12	0.25
1-Pentene	0.05	0.06	0.03	U	0.15	0.16	0.05
2-Methyl-1-butene	ND	ND	ND	ND	0.06	ND	ND
n-Pentane	0.27	0.28	0.18	0.23	0.34	0.09	0.19
Isoprene	0.04	0.06	0.05	0.05	0.20	0.03	0.05
trans-2-Pentene	0.05	0.06	0.04	0.05	0.09	0.04	0.04
cis-2-Pentene	0.07	0.07	0.06	0.07	0.08	0.06	0.05
2-Methyl-2-butene	ND	0.03	U	ND	0.05	ND	ND
2,2-Dimethylbutane	0.09	0.09	0.07	0.07	0.11	0.06	0.06
Cyclopentene	ND	ND	ND	0.07	ND	ND	0.15
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.08	0.08	0.05	0.07	0.07	0.05	0.02
2,3-Dimethylbutane	0.09	0.11	0.08	0.08	0.10	0.08	0.08
2-Methylpentane	0.17	0.22	0.14	0.29	0.44	0.06	0.14
3-Methylpentane	0.12	0.12	0.08	0.10	0.15	0.08	0.16
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.09	0.09	0.07	0.09	0.13	0.06	0.08
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.13	0.15	0.07	0.11	0.17	0.06	0.09
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.08	0.09	0.05	0.07	0.09	0.04	0.06
2,4-Dimethylpentane	0.09	0.08	0.06	0.07	0.07	0.05	0.05
Benzene	0.28	0.20	0.16	0.20	0.64	0.14	0.13
Cyclohexane	0.08	0.10	0.09	0.07	0.08	0.07	0.09
2-Methylhexane	0.20	0.15	0.13	0.02	U	0.13	0.10
2,3-Dimethylpentane	0.13	0.14	0.10	0.11	0.13	0.11	0.12
3-Methylhexane	0.10	0.08	0.06	0.08	0.08	ND	ND
1-Heptene	ND	ND	ND	0.03	U	0.03	U
2,2,4-Trimethylpentane	0.07	0.07	0.04	0.07	0.09	0.04	0.06
n-Heptane	0.05	0.06	0.04	0.06	0.08	0.04	0.05
Methylcyclohexane	0.09	0.07	0.05	0.07	0.07	0.06	0.06
2,2,3-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND
2,3,4-Trimethylpentane	0.03	0.04	0.02	U	0.03	0.04	0.03
Toluene	0.18	0.20	0.24	0.20	0.45	0.08	0.11
2-Methylheptane	0.04	0.03	U	0.02	U	0.04	0.02
3-Methylheptane	0.03	0.03	0.02	0.03	0.04	0.03	0.03
1-Octene	ND	ND	ND	ND	0.02	U	ND
n-Octane	0.04	0.04	0.02	0.04	0.05	0.04	0.04
Ethylbenzene	0.04	0.04	0.02	0.03	0.07	0.02	0.02
m-Xylene/p-Xylene	0.07	0.07	0.03	0.09	0.15	0.03	0.04
Styrene	0.45	0.04	0.02	0.08	0.07	ND	0.04
o-Xylene	0.04	0.04	0.02	0.04	0.06	0.02	U
1-Nonene	ND	ND	ND	ND	ND	ND	ND
n-Nonane	0.02	U	0.02	0.03	0.03	0.02	0.02
Isopropylbenzene	0.02	U	0.02	U	0.03	0.03	U
α-Pinene	ND	ND	0.06	ND	0.02	U	ND
n-Propylbenzene	ND	0.02	U	0.02	U	0.03	U
m-Ethyltoluene	ND	0.02	0.02	U	0.03	0.06	0.02
p-Ethyltoluene	0.02	U	0.02	U	0.03	U	0.02
1,3,5-Trimethylbenzene	0.02	U	0.02	U	0.04	0.02	U
o-Ethyltoluene	0.02	U	0.02	U	0.03	U	0.02
β-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.03	0.03	0.02	0.03	0.10	0.02	0.02
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.02	U	0.03	0.02	0.03	0.02	0.02
1,2,3-Trimethylbenzene	ND	0.02	ND	0.02	0.02	ND	0.02
m-Diethylbenzene	ND	ND	ND	ND	ND	ND	ND
p-Diethylbenzene	ND	ND	ND	ND	ND	ND	ND
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.04	0.03	0.08	0.03	0.04	0.02	U
1-Dodecene	ND	ND	ND	ND	0.03	U	ND
n-Dodecane	0.11	0.04	U	0.14	0.04	U	0.08
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	0.04	U	0.04	U	0.01	U	0.02
TNMOC (speciated) in ppbv	16.09	19.44	9.02	12.45	65.11	7.11	10.03
TNMOC (w/ unknowns) in ppbC	97.32	79.39	42.52	73.85	226.32	60.16	55.68

U Under detection limit.

Custer, South Dakota (CUSD) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbV)

Sample No.:	CUSD 27413		CUSD 27490		CUSD 27627 D1		CUSD 27627 R1		CUSD 27629 D2		CUSD 27629 R2		CUSD 27703	
Sampling Date:	5/2/2002		5/8/2002		5/14/2002		5/14/2002		5/14/2002		5/14/2002		5/20/2002	
Analysis Date:	5/13/2002		5/16/2002		5/23/2002		5/23/2002		5/23/2002		5/23/2002		5/31/2002	
Filename:	L2EM012		L2EP010		L2EV020		L2EW007		L2EV021		L2EW008		L2E%005	
Ethylene	1.15		0.46		0.92		0.94		0.90		0.94		0.34	
Acetylene	1.18		0.41		0.74		0.74		0.72		0.69		0.24	
Ethane	2.79		2.12		2.90		2.91		2.92		2.97		2.27	
Propylene	0.67		0.21		0.48		0.47		0.45		0.47		0.17	
Propane	6.33		1.94		5.29		5.24		5.23		5.24		1.32	
Propyne	ND		ND		ND		ND		ND		ND		ND	
Isobutane	0.31		0.16		0.65		0.65		0.59		0.59		0.14	
Isobutene/1-Butene	0.21		0.17		0.32		0.33		0.32		0.31		0.17	
1,3-Butadiene	0.04	U	ND		ND		ND		ND		ND		ND	
n-Butane	0.52		0.30		1.50		1.49		1.31		1.29		0.32	
trans-2-Butene	0.07		0.05		0.19		0.17		0.16		0.15		0.07	
cis-2-Butene	0.10		0.08		0.20		0.20		0.16		0.16		0.08	
3-Methyl-1-butene	ND		ND		ND		ND		ND		ND		ND	
Isopentane	0.46		0.23		1.89		1.88		1.49		1.48		0.21	
1-Pentene	0.08		0.05		1.47		1.48		1.04		1.05		0.06	
2-Methyl-1-butene	0.03	U	ND		0.06		0.07		0.06		0.05		ND	
n-Pentane	0.29		0.14		0.92		0.93		0.75		0.77		0.14	
Isoprene	0.06		0.04		0.07		0.07		0.07		0.07		0.04	
trans-2-Pentene	0.07		0.05		0.14		0.14		0.12		0.12		0.04	
cis-2-Pentene	0.06		0.06		0.12		0.11		0.11		0.10		0.06	
2-Methyl-2-butene	0.03	U	ND		0.13		0.11		0.10		0.10		ND	
2,2-Dimethylbutane	0.07		0.06		0.10		0.09		0.10		0.10		0.08	
Cyclopentene	ND		ND		ND		ND		ND		ND		0.10	
4-Methyl-1-pentene	ND		ND		ND		ND		ND		ND		ND	
Cyclopentane	0.09		0.06		0.16		0.16		0.12		0.13		0.06	
2,3-Dimethylbutane	0.10		0.08		0.15		0.15		0.14		0.14		0.09	
2-Methylpentane	0.16		0.10		0.35		0.34		0.27		0.30		0.14	
3-Methylpentane	0.13		0.10		0.28		0.29		0.21		0.24		0.09	
2-Methyl-1-pentene	ND		ND		ND		ND		ND		ND		ND	
1-Hexene	0.08		0.07		0.10		0.10		0.08		0.10		0.09	
2-Ethyl-1-butene	ND		ND		ND		ND		ND		ND		ND	
n-Hexane	0.17		0.07		0.45		0.45		0.37		0.37		0.08	
trans-2-Hexene	ND		ND		ND		ND		ND		ND		ND	
cis-2-Hexene	ND		ND		ND		ND		ND		ND		ND	
Methylcyclopentane	0.10		0.06		0.18		0.18		0.16		0.17		0.05	
2,4-Dimethylpentane	0.07		0.05		0.10		0.10		0.09		0.10		0.06	
Benzene	0.26		0.14		0.34		0.34		0.30		0.32		0.11	
Cyclohexane	0.10		0.07		0.16		0.18		0.12		0.15		0.08	
2-Methylhexane	0.16		0.10		0.17		0.18		0.16		0.16		0.09	
2,3-Dimethylpentane	0.15		0.09		0.18		0.18		0.16		0.17		0.08	
3-Methylhexane	0.08		0.09		0.13		0.13		0.11		0.13		0.09	
1-Heptene	ND		ND		ND		ND		ND		ND		ND	
2,2,4-Trimethylpentane	0.12		0.05		0.18		0.18		0.17		0.16		0.05	
n-Heptane	0.07		0.04		0.11		0.11		0.10		0.10		0.04	
Methylcyclohexane	0.07		0.05		0.08		0.08		0.08		0.08		0.05	
2,2,3-Trimethylpentane	ND		ND		ND		ND		0.02	U	ND		ND	
2,3,4-Trimethylpentane	0.05		0.03		0.06		0.07		0.06		0.06		0.04	
Toluene	0.34		0.12		1.24		1.28		0.84		0.84		0.12	
2-Methylheptane	0.04		0.02	U	0.05		0.05		0.05		0.04		0.03	U
3-Methylheptane	0.04		0.03		0.06		0.06		0.05		0.05		0.03	
1-Octene	ND		ND		ND		ND		ND		ND		ND	
n-Octane	0.04		0.04		0.07		0.07		0.07		0.07		0.04	
Ethylbenzene	0.05		0.03		0.13		0.14		0.06		0.07		0.02	U
m-Xylene/p-Xylene	0.13		0.05		0.35		0.36		0.16		0.16		0.06	
Styrene	ND		0.04		0.04		0.03		ND		0.02		0.02	
o-Xylene	0.05		0.02		0.13		0.13		0.06		0.06		0.02	
1-Nonene	ND		ND		ND		ND		ND		ND		ND	
n-Nonane	0.03		0.02		0.04		0.05		0.04		0.04		0.02	
Isopropylbenzene	0.02	U	0.03	U	0.03	U	0.03	U	0.02	U	0.02	U	0.02	U
α-Pinene	ND		ND		ND		ND		0.01	U	ND		ND	
n-Propylbenzene	0.02	U	0.02	U	0.03	U	0.03	U	0.02	U	0.02	U	0.02	U
m-Ethyltoluene	0.03		0.02		0.09		0.08		0.05		0.05		0.02	U
p-Ethyltoluene	0.02	U	0.02	U	0.03	U	0.04	U	0.03	U	0.02	U	0.02	U
1,3,5-Trimethylbenzene	0.02	U	0.02	U	0.04		0.04		0.02	U	0.03		0.02	U
o-Ethyltoluene	0.03	U	0.02	U	0.03	U	0.03	U	0.03	U	0.03	U	0.02	U
β-Pinene	ND		ND		ND		ND		ND		ND		ND	
1,2,4-Trimethylbenzene	0.02		0.02		0.06		0.06		0.04		0.04		0.03	
1-Decene	ND		ND		ND		ND		ND		ND		ND	
n-Decane	0.04		ND		0.11		0.10		0.06		0.05		0.04	
1,2,3-Trimethylbenzene	ND		ND		0.02		0.03		ND		ND		0.02	
m-Diethylbenzene	ND		ND		0.02	U	ND		ND		ND		0.01	U
p-Diethylbenzene	ND		ND		ND		ND		ND		ND		ND	
1-Undecene	ND		ND		ND		ND		ND		ND		ND	
n-Undecane	0.04		0.03		0.36		0.31		0.11		0.06		0.14	
1-Dodecene	ND		ND		ND		ND		ND		ND		ND	
n-Dodecane	0.03	U	0.04	U	0.25		0.14		0.07		0.04	U	0.10	
1-Tridecene	ND		ND		ND		ND		ND		ND		ND	
n-Tridecane	ND		0.01	U	0.04	U	ND		0.01	U	ND		0.02	U
TNMOC (speciated) in ppbv	17.47		8.39		24.45		24.34		21.14		21.24		7.98	
TNMOC (w/ unknowns) in ppbC	68.28		41.55		120.58		117.79		182.15		100.13		52.65	

U Under detection limit.

Custer, South Dakota (CUSD) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbV)

Sample No.:	CUSD 27781	CUSD 27911	CUSD 28014	CUSD 28188	CUSD 28268	CUSD 28430 D1	CUSD 28430 R1
Sampling Date:	5/26/2002	6/1/2002	6/7/2002	6/13/2002	6/19/2002	6/25/2002	6/25/2002
Analysis Date:	6/7/2002	7/1/2002	7/3/2002	7/3/2002	7/19/2002	7/23/2002	8/14/2002
Filename:	L2FG006	L2GA007	L2GB016	L2GB021	N2GR013	N2GW004	L2HM022
Ethylene	0.65	0.85	0.45	0.59	0.78	1.14	1.79
Acetylene	0.41	0.53	0.29	0.36	0.55	0.65	0.55
Ethane	2.04	1.79	1.46	1.60	1.65	1.85	2.34
Propylene	0.30	0.58	0.35	0.34	0.54	0.73	0.93
Propane	3.91	7.52	3.88	2.99	5.96	14.57	14.41
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.96	0.85	0.33	0.19	0.47	0.41	0.53
Isobutene/1-Butene	0.20	0.26	0.17	0.20	0.55	0.52	0.74
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND
n-Butane	0.83	0.94	0.43	0.39	1.07	0.94	1.03
trans-2-Butene	0.06	0.13	0.07	0.07	0.11	0.09	0.46
cis-2-Butene	0.09	0.14	0.09	0.10	0.14	0.08	0.29
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	0.47	1.40	0.41	0.40	1.10	1.39	7.50
1-Pentene	0.06	7.07	0.05	0.07	0.10	0.08	0.16
2-Methyl-1-butene	0.04	U	0.07	U	0.10	0.11	0.14
n-Pentane	0.33	1.19	0.25	0.24	0.59	0.62	0.66
Isoprene	0.07	0.12	0.07	0.10	0.12	0.27	0.30
trans-2-Pentene	0.07	0.11	0.06	0.06	0.10	0.15	0.21
cis-2-Pentene	0.07	0.10	0.07	0.07	0.08	0.09	0.22
2-Methyl-2-butene	0.04	U	ND	0.03	U	0.08	0.09
2,2-Dimethylbutane	0.07	0.10	0.06	0.08	0.07	0.09	0.24
Cyclopentene	ND	ND	ND	ND	0.05	U	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.07	0.12	0.06	0.06	0.12	0.14	0.20
2,3-Dimethylbutane	0.10	0.14	0.09	0.10	0.12	0.16	0.31
2-Methylpentane	0.27	0.46	0.14	0.19	0.23	0.27	0.63
3-Methylpentane	0.17	0.25	0.12	0.14	0.21	0.16	0.29
2-Methyl-1-pentene	ND	ND	ND	ND	0.04	U	ND
1-Hexene	0.07	0.12	0.08	0.08	0.14	0.16	0.28
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.21	0.29	0.11	0.13	0.19	0.21	0.67
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	0.33	ND	ND
Methylcyclopentane	0.10	0.15	0.07	0.08	0.11	0.13	0.43
2,4-Dimethylpentane	0.07	0.10	0.06	0.06	0.07	0.08	0.20
Benzene	0.18	0.24	0.13	0.16	0.25	0.26	0.33
Cyclohexane	0.08	0.11	0.08	0.08	0.06	0.07	0.23
2-Methylhexane	0.10	0.14	0.09	0.10	0.17	0.19	0.39
2,3-Dimethylpentane	0.12	0.19	0.10	0.11	0.14	0.18	0.33
3-Methylhexane	0.14	0.14	0.11	0.10	0.09	0.16	0.17
1-Heptene	ND	0.03	U	ND	ND	ND	ND
2,2,4-Trimethylpentane	0.12	0.17	0.10	0.11	0.15	0.22	0.30
n-Heptane	0.07	0.12	0.06	0.06	0.08	0.09	0.14
Methylcyclohexane	0.06	0.11	0.06	0.06	0.06	0.05	0.14
2,2,3-Trimethylpentane	ND	0.03	U	ND	0.03	U	ND
2,3,4-Trimethylpentane	0.05	0.07	0.04	0.04	0.04	0.06	0.14
Toluene	0.43	0.88	0.25	0.30	0.43	0.54	0.48
2-Methylheptane	0.04	0.08	0.04	0.03	U	0.05	0.07
3-Methylheptane	0.04	0.08	0.04	0.03	0.04	0.06	0.09
1-Octene	ND	0.02	U	ND	ND	ND	ND
n-Octane	0.04	0.16	0.06	0.04	0.10	0.06	0.10
Ethylbenzene	0.05	0.08	0.03	0.05	0.07	0.08	0.06
m-Xylene/p-Xylene	0.13	0.24	0.08	0.10	0.21	0.27	0.18
Styrene	0.05	0.23	ND	0.04	0.04	0.04	0.31
o-Xylene	0.03	0.10	0.03	0.04	0.23	0.48	0.10
1-Nonene	ND	0.02	U	ND	ND	0.02	U
n-Nonane	0.04	0.07	0.02	0.05	0.05	0.06	0.06
Isopropylbenzene	0.02	U	0.02	U	0.01	U	0.07
à-Pinene	0.02	U	0.17	0.05	ND	0.09	ND
n-Propylbenzene	0.02	U	0.04	0.02	U	0.03	U
m-Ethyltoluene	0.03	U	0.09	0.07	0.04	0.13	0.08
p-Ethyltoluene	0.03	U	0.05	0.02	U	0.05	0.05
1,3,5-Trimethylbenzene	0.03	U	0.06	0.02	0.03	0.04	0.06
o-Ethyltoluene	0.03	U	0.05	0.02	U	0.03	0.07
b-Pinene	0.01	U	ND	0.01	U	ND	ND
1,2,4-Trimethylbenzene	0.04	0.13	0.05	0.04	0.18	0.20	0.13
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.17	0.08	0.03	0.05	0.09	0.05	0.08
1,2,3-Trimethylbenzene	0.02	0.03	0.06	ND	0.17	0.02	ND
m-Diethylbenzene	0.01	U	ND	ND	0.02	U	0.06
p-Diethylbenzene	ND	ND	ND	ND	ND	0.03	ND
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.07	0.15	0.04	0.05	0.04	0.05	0.07
1-Dodecene	ND	0.01	U	ND	ND	ND	0.06
n-Dodecane	0.11	0.14	0.03	U	0.05	U	0.05
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	0.03	U	0.04	U	ND	ND	ND
TNMOC (speciated) in ppbv	14.12	29.82	11.01	10.63	19.02	29.07	40.08
TNMOC (w/ unknowns) in ppbC	76.32	172.97	56.00	55.97	199.81	181.43	224.13

U Under detection limit.

Custer, South Dakota (CUSD) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbV)

Sample No.:	CUSD 28432 D2	CUSD 28432 R2	CUSD 28542	CUSD 28551	CUSD 28767	CUSD 28806	CUSD 28877
Sampling Date:	6/25/2002	6/25/2002	7/1/2002	7/7/2002	7/13/2002	7/19/2002	7/25/2002
Analysis Date:	7/23/2002	8/14/2002	8/1/2002	8/2/2002	8/6/2002	8/9/2002	8/14/2002
Filename:	N2GW005	L2HM023	L2HA008	L2HA017	L2HE019	L2HI009	L2HM014
Ethylene	0.81	1.37	1.74	1.00	1.21	0.79	0.86
Acetylene	0.63	0.59	0.66	0.32	0.50	0.34	0.38
Ethane	1.85	2.36	2.35	2.52	1.75	3.11	1.93
Propylene	0.63	0.88	0.68	0.49	0.68	0.48	0.48
Propane	14.77	16.50	7.96	5.14	7.21	5.71	3.38
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.43	0.57	0.50	0.96	0.82	0.33	0.33
Isobutene/1-Butene	0.40	0.55	0.45	0.45	0.39	0.30	0.34
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND
n-Butane	0.93	1.17	1.09	2.39	0.91	0.69	0.65
trans-2-Butene	0.08	0.23	0.14	0.31	0.20	0.15	0.14
cis-2-Butene	0.12	0.32	0.21	0.39	0.26	0.19	0.19
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	1.06	1.21	4.45	2.08	1.04	0.76	0.59
1-Pentene	0.09	0.18	0.14	0.20	0.16	ND	0.15
2-Methyl-1-butene	0.10	0.09	0.12	0.15	0.13	0.09	0.04
n-Pentane	0.60	0.69	0.66	0.96	1.06	0.48	0.54
Isoprene	0.27	0.34	0.33	0.31	0.38	0.28	0.18
trans-2-Pentene	0.10	0.20	0.15	0.24	0.19	0.15	0.12
cis-2-Pentene	0.08	0.23	0.15	0.24	0.20	0.15	0.13
2-Methyl-2-butene	0.07	0.13	0.09	0.16	0.07	0.08	0.05
2,2-Dimethylbutane	0.07	0.27	0.14	0.23	0.22	0.17	0.16
Cyclopentene	0.04	ND	ND	ND	ND	0.05	0.04
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.13	0.21	0.15	0.21	0.17	0.14	0.13
2,3-Dimethylbutane	0.15	0.31	0.22	0.34	0.28	0.21	0.20
2-Methylpentane	0.28	0.53	0.63	0.39	0.43	0.30	0.22
3-Methylpentane	0.19	0.37	0.28	0.35	0.33	0.22	0.20
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.11	0.26	0.19	0.23	0.22	0.18	0.20
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.23	0.78	0.52	0.65	1.35	0.42	0.78
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.14	0.23	0.23	0.23	0.22	0.15	0.14
2,4-Dimethylpentane	0.09	0.22	0.14	0.20	0.20	0.13	0.12
Benzene	0.25	0.33	0.34	0.27	0.26	0.24	0.20
Cyclohexane	0.06	0.25	0.14	0.23	0.25	0.16	0.17
2-Methylhexane	0.16	0.30	0.21	0.22	0.25	0.17	0.18
2,3-Dimethylpentane	0.15	0.37	0.23	0.28	0.28	0.21	0.17
3-Methylhexane	0.09	0.16	0.17	0.15	0.15	0.10	0.10
1-Heptene	ND	ND	ND	ND	0.05	ND	0.04
2,2,4-Trimethylpentane	0.22	0.27	0.20	0.21	0.24	0.16	0.14
n-Heptane	0.08	0.15	0.12	0.13	0.12	0.10	0.09
Methylcyclohexane	0.05	0.19	0.11	0.13	0.14	0.12	0.11
2,2,3-Trimethylpentane	0.04	ND	ND	ND	ND	ND	ND
2,3,4-Trimethylpentane	0.07	0.12	0.09	0.10	0.11	0.07	0.07
Toluene	0.54	0.52	0.65	0.36	0.77	0.37	0.31
2-Methylheptane	0.04	0.04	0.06	0.07	0.08	0.06	0.05
3-Methylheptane	0.05	0.10	0.06	0.08	0.09	0.05	0.06
1-Octene	ND	ND	ND	ND	ND	ND	0.04
n-Octane	0.05	0.09	0.09	0.08	0.09	0.07	0.03
Ethylbenzene	0.08	0.09	0.07	0.08	0.09	0.06	0.05
m-Xylene/p-Xylene	0.26	0.20	0.19	0.13	0.20	0.16	0.11
Styrene	0.04	0.14	0.04	0.16	0.12	0.09	0.13
o-Xylene	0.14	0.10	0.08	0.07	0.10	0.07	0.05
1-Nonene	0.02	ND	ND	ND	ND	ND	0.02
n-Nonane	0.04	0.07	0.05	0.05	0.07	0.04	0.05
Isopropylbenzene	0.02	0.08	0.05	0.06	0.07	0.04	0.05
α-Pinene	0.35	ND	ND	0.04	0.08	0.05	0.31
n-Propylbenzene	0.03	0.05	0.02	0.04	0.05	0.04	0.04
m-Ethyltoluene	0.08	0.09	0.05	0.08	0.08	0.07	0.08
p-Ethyltoluene	0.05	0.07	0.03	0.05	0.07	0.04	0.04
1,3,5-Trimethylbenzene	0.04	0.06	0.04	0.04	0.08	0.04	0.04
o-Ethyltoluene	0.05	0.08	0.05	0.05	0.06	0.03	ND
β-Pinene	ND	ND	ND	0.62	0.35	0.29	ND
1,2,4-Trimethylbenzene	0.11	0.12	0.07	0.09	0.12	0.08	0.09
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.05	0.09	0.06	0.07	0.10	0.06	0.06
1,2,3-Trimethylbenzene	0.03	0.11	0.02	0.03	0.03	0.08	0.07
m-Diethylbenzene	0.03	0.07	0.05	0.07	0.09	0.04	0.08
p-Diethylbenzene	0.02	ND	ND	ND	ND	ND	ND
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.06	0.08	0.06	0.09	0.18	0.12	0.09
1-Dodecene	ND	ND	ND	ND	ND	ND	0.02
n-Dodecane	0.03	0.06	0.04	0.10	0.17	0.11	0.10
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	ND	0.04	0.02	0.02
TNMOC (speciated) in ppbv	27.81	35.24	27.82	25.37	25.56	19.49	15.95
TNMOC (w/ unknowns) in ppbC	139.30	164.60	167.55	140.65	146.21	109.51	204.24

Custer, South Dakota (CUSD) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbV)

Sample No.:	CUSD 29079	CUSD 29172	CUSD 29230	CUSD 29358	CUSD 29530	CUSD 29654	CUSD 29772		
Sampling Date:	7/31/2002	8/6/2002	8/12/2002	8/18/2002	8/24/2002	8/30/2002	9/5/2002		
Analysis Date:	8/16/2002	9/1/2002	9/4/2002	9/5/2002	9/18/2002	9/23/2002	9/25/2002		
Filename:	L2H0011	L2H%019	L2ID005	L2IE007	L2IQ018	L2IW008	L2IX019		
Ethylene	2.63	1.07	0.72	0.97	0.75	1.10	1.04		
Acetylene	0.58	0.47	0.30	0.55	0.29	0.53	0.67		
Ethane	3.06	2.24	1.79	2.40	1.51	2.64	2.49		
Propylene	1.37	0.50	0.39	0.45	0.40	0.51	0.52		
Propane	8.08	3.92	2.38	4.24	4.32	5.43	6.40		
Propyne	ND	ND	ND	ND	ND	ND	ND		
Isobutane	0.53	0.36	0.28	0.47	0.47	0.40	0.47		
Isobutene/1-Butene	1.37	0.34	0.27	0.26	0.28	0.30	0.34		
1,3-Butadiene	ND	ND	ND	ND	ND	0.03	U	ND	
n-Butane	1.17	0.76	0.52	0.73	0.58	0.90		1.09	
trans-2-Butene	0.20	0.13	0.15	0.10	0.18	0.10		0.15	
cis-2-Butene	0.26	0.18	0.15	0.13	0.17	0.16		0.19	
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND		ND	
Isopentane	9.10	0.68	0.48	1.46	0.75	1.03		1.54	
1-Pentene	0.05	ND	ND	0.06	ND	ND		0.14	
2-Methyl-1-butene	0.19	0.08	ND	0.05	0.04	U	0.08	0.10	
n-Pentane	0.78	0.43	0.30	1.31	0.44	0.56		2.70	
Isoprene	0.29	0.19	0.08	0.19	0.13	0.27		0.34	
trans-2-Pentene	0.21	0.12	0.10	0.10	0.10	0.11		0.16	
cis-2-Pentene	0.22	0.12	0.09	0.10	0.11	0.12		0.14	
2-Methyl-2-butene	0.12	0.09	0.04	U	0.06	0.05		0.11	
2,2-Dimethylbutane	0.26	0.17	0.13	0.12	0.12	0.14		0.14	
Cyclopentene	ND	ND	ND	0.11	ND	0.08		0.08	
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND		ND	
Cyclopentane	0.19	0.12	0.12	0.15	0.14	0.11		0.14	
2,3-Dimethylbutane	0.27	0.18	0.15	0.13	0.16	0.17		0.19	
2-Methylpentane	0.90	0.48	0.28	0.26	0.32	0.40		0.51	
3-Methylpentane	0.28	0.20	0.14	0.18	0.18	0.26		0.31	
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND		ND	
1-Hexene	0.24	0.14	0.11	0.09	0.13	0.14		0.11	
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND		ND	
n-Hexane	0.46	0.23	0.22	0.34	0.28	0.22		0.27	
trans-2-Hexene	ND	ND	ND	ND	ND	ND		ND	
cis-2-Hexene	ND	ND	ND	ND	ND	ND		ND	
Methylcyclopentane	0.28	0.15	0.10	0.12	0.11	0.15		0.20	
2,4-Dimethylpentane	0.14	0.13	0.11	0.09	0.11	0.12		0.13	
Benzene	0.32	0.20	0.12	0.22	0.16	0.27		0.31	
Cyclohexane	0.20	0.12	0.11	0.31	0.14	0.13		0.20	
2-Methylhexane	0.26	0.10	0.13	0.14	0.06	0.13		0.18	
2,3-Dimethylpentane	0.23	0.20	0.16	0.17	0.15	0.18		0.24	
3-Methylhexane	0.17	0.08	0.08	0.11	0.09	0.25		0.28	
1-Heptene	0.05	ND	ND	ND	ND	0.04		ND	
2,2,4-Trimethylpentane	0.21	0.18	0.10	0.14	0.12	0.19		0.24	
n-Heptane	0.11	0.08	0.06	0.07	0.07	0.08		0.10	
Methylcyclohexane	0.11	0.11	0.08	0.08	0.11	0.10		0.14	
2,2,3-Trimethylpentane	0.03	U	ND	ND	ND	ND		ND	
2,3,4-Trimethylpentane	0.13	0.07	0.06	0.05	0.05	0.06		0.09	
Toluene	0.45	0.37	0.18	3.06	0.69	0.45		1.38	
2-Methylheptane	0.06	0.04	0.04	0.03	0.04	0.05		0.07	
3-Methylheptane	0.06	0.05	0.04	0.04	0.05	0.05		0.07	
1-Octene	0.05	ND	ND	ND	0.03	U		ND	
n-Octane	0.10	0.06	0.05	0.05	0.05	0.05		0.08	
Ethylbenzene	0.06	0.04	0.04	0.05	0.05	0.06		0.10	
m-Xylene/p-Xylene	0.16	0.13	0.07	0.13	0.10	0.17		0.29	
Styrene	0.42	0.05	0.09	0.07	0.13	0.09		0.09	
o-Xylene	0.10	0.06	0.05	0.06	0.05	0.07		0.12	
1-Nonene	ND	ND	ND	ND	0.02	U		ND	
n-Nonane	0.06	0.03	0.03	0.03	0.03	0.04		0.07	
Isopropylbenzene	0.06	0.04	0.04	0.03	U	0.04		0.05	
a-Pinene	0.53	ND	ND	0.03	U	0.03		0.06	
n-Propylbenzene	0.06	0.02	U	0.02	U	0.03		0.05	
m-Ethyltoluene	0.07	0.04	0.03	0.03	0.05	0.09		0.11	
p-Ethyltoluene	0.04	0.02	U	0.02	U	0.03	U	0.05	
1,3,5-Trimethylbenzene	0.04	0.03	0.03	0.03	0.03	0.03		0.06	
o-Ethyltoluene	0.04	0.03	U	0.03	0.03	0.03	U	0.06	
b-Pinene	0.29	0.13	0.11	0.09	ND	ND		ND	
1,2,4-Trimethylbenzene	0.11	0.06	0.05	0.05	0.07	0.08		0.13	
1-Decene	ND	ND	ND	ND	ND	ND		ND	
n-Decane	0.08	0.03	0.03	0.14	0.06	0.06		0.14	
1,2,3-Trimethylbenzene	0.06	ND	ND	0.02	0.02	ND		0.17	
m-Diethylbenzene	0.18	0.03	U	0.03	0.02	U	0.04	0.07	
p-Diethylbenzene	0.12	ND	ND	ND	ND	ND		ND	
1-Undecene	ND	ND	ND	ND	ND	ND		ND	
n-Undecane	0.13	0.03	U	0.03	0.39	0.09	0.05	0.25	
1-Dodecene	ND	ND	ND	ND	ND	ND		ND	
n-Dodecane	0.05	U	0.03	U	0.27	0.06	U	0.19	
1-Tridecene	ND	ND	ND	ND	ND	ND		ND	
n-Tridecane	0.23	ND	ND	0.04	U	ND	ND	0.03	U
TNMOC (speciated) in ppbv	38.65	15.93	11.32	21.25	14.89	19.05		26.14	
TNMOC (w/ unknowns) in ppbC	322.49	116.44	61.92	129.82	89.04	99.89		146.99	

U Under detection limit.

Custer, South Dakota (CUSD) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbV)

Sample No.:	CUSD 29874 D1	CUSD 29874 R1	CUSD 29876 D2	CUSD 29876 R2	CUSD 29934	CUSD 30021	CUSD 30063
Sampling Date:	9/11/2002	9/11/2002	9/11/2002	9/11/2002	9/17/2002	9/23/2002	9/29/2002
Analysis Date:	10/11/2002	10/15/2002	10/11/2002	10/16/2002	10/16/2002	10/17/2002	10/17/2002
Filename:	L2JJ023	L2JJ015	L2JJ024	L2JJ016	L2JJ020	L2JJ006	L2JJ018
Ethylene	1.39	1.38	0.91	0.90	0.99	0.84	0.95
Acetylene	0.53	0.47	0.54	0.51	0.24	0.44	0.52
Ethane	1.79	1.84	2.00	1.76	1.93	2.43	2.82
Propylene	0.49	0.51	0.37	0.40	0.33	0.41	0.48
Propane	4.35	3.96	4.06	3.92	1.30	3.47	8.51
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.43	0.44	0.41	0.43	0.18	0.29	0.58
Isobutene/1-Butene	0.38	0.37	0.27	0.28	0.28	0.22	0.28
1,3-Butadiene	ND	ND	ND	ND	ND	ND	ND
n-Butane	0.94	0.91	0.94	0.91	0.34	0.62	1.00
trans-2-Butene	0.14	0.15	0.14	0.14	0.09	0.12	0.14
cis-2-Butene	0.18	0.19	0.19	0.19	0.11	0.15	0.19
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	1.27	1.27	1.12	1.09	0.49	0.79	1.88
1-Pentene	ND	0.05	ND	0.07	0.08	ND	0.08
2-Methyl-1-butene	0.09	0.09	0.07	0.07	ND	0.06	0.08
n-Pentane	0.49	0.46	0.49	0.46	0.15	0.53	3.52
Isoprene	0.18	0.11	0.14	0.14	0.08	0.06	0.16
trans-2-Pentene	0.15	0.13	0.14	0.12	0.05	0.11	0.16
cis-2-Pentene	0.13	0.11	0.11	0.12	0.08	0.11	0.13
2-Methyl-2-butene	0.11	0.09	0.09	0.08	ND	0.07	0.11
2,2-Dimethylbutane	0.12	0.12	0.11	0.11	0.09	0.10	0.13
Cyclopentene	0.10	0.08	ND	ND	0.07	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.16	0.12	0.14	0.13	0.09	0.10	0.18
2,3-Dimethylbutane	0.17	0.16	0.16	0.15	0.12	0.14	0.17
2-Methylpentane	0.25	0.25	0.25	0.25	0.08	0.20	0.28
3-Methylpentane	0.42	0.48	0.22	0.21	0.28	0.18	0.25
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.11	0.13	0.08	0.11	0.12	0.10	0.10
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.18	0.18	0.20	0.18	0.07	0.19	0.30
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.15	0.13	0.13	0.15	0.09	0.14	0.18
2,4-Dimethylpentane	0.11	0.11	0.10	0.10	0.07	0.10	0.11
Benzene	0.23	0.21	0.21	0.22	0.11	0.25	0.27
Cyclohexane	0.15	0.14	0.10	0.13	0.13	0.15	0.34
2-Methylhexane	0.11	0.20	0.05	0.20	0.13	0.18	0.22
2,3-Dimethylpentane	0.14	0.19	0.12	0.20	0.15	0.13	0.21
3-Methylhexane	0.38	0.38	0.06	0.07	0.40	0.04	0.05
1-Heptene	0.19	ND	ND	ND	0.05	ND	ND
2,2,4-Trimethylpentane	0.04	0.14	0.13	0.15	0.04	0.08	0.17
n-Heptane	0.09	0.08	0.08	0.09	0.07	0.07	0.10
Methylcyclohexane	0.09	0.08	0.07	0.08	0.08	0.08	0.09
2,2,3-Trimethylpentane	ND	ND	ND	ND	0.03	ND	ND
2,3,4-Trimethylpentane	0.06	0.08	0.05	0.06	0.05	0.08	0.08
Toluene	0.39	0.39	0.35	0.34	0.12	0.79	3.27
2-Methylheptane	0.07	0.07	0.05	0.07	0.04	0.09	0.07
3-Methylheptane	0.05	0.06	0.08	0.06	0.04	0.06	0.06
1-Octene	ND	ND	ND	0.03	ND	ND	ND
n-Octane	0.08	0.06	0.08	0.05	0.06	0.07	0.07
Ethylbenzene	0.06	0.06	0.06	0.08	0.03	0.06	0.09
m-Xylene/p-Xylene	0.16	0.18	0.15	0.14	0.05	0.17	0.20
Styrene	ND	0.28	0.06	0.05	ND	0.07	0.04
o-Xylene	0.08	0.07	0.07	0.07	0.03	0.07	0.09
1-Nonene	ND	ND	ND	ND	ND	ND	ND
n-Nonane	0.05	0.04	0.04	0.04	0.04	0.04	0.06
Isopropylbenzene	0.04	0.05	0.03	0.06	0.07	0.06	0.06
α-Pinene	0.21	0.22	0.21	0.23	ND	ND	0.06
n-Propylbenzene	0.03	U	0.03	U	0.03	U	0.04
m-Ethyltoluene	0.08	0.08	0.07	0.07	U	0.02	0.08
p-Ethyltoluene	0.06	0.04	0.04	0.03	U	0.04	0.05
1,3,5-Trimethylbenzene	0.04	0.04	0.03	0.04	0.03	0.03	0.05
o-Ethyltoluene	0.07	0.06	0.04	0.04	0.03	0.05	0.04
β-Pinene	0.22	0.21	0.05	0.04	ND	0.04	ND
1,2,4-Trimethylbenzene	0.07	0.07	0.06	0.06	0.05	0.06	0.09
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.18	0.18	0.03	0.22	0.14	0.11	0.12
1,2,3-Trimethylbenzene	ND	ND	0.03	0.02	ND	ND	0.02
m-Diethylbenzene	0.03	0.03	U	0.02	U	ND	ND
p-Diethylbenzene	ND	ND	ND	ND	ND	ND	ND
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.26	0.23	0.05	0.05	0.03	U	0.26
1-Dodecene	0.03	U	ND	ND	ND	0.02	U
n-Dodecane	0.14	0.11	0.02	U	ND	0.12	0.16
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	ND	ND	ND	ND
TNMOC (speciated) in ppbv	18.68	18.32	15.91	15.99	9.87	15.20	29.81
TNMOC (w/ unknowns) in ppbC	164.97	153.47	94.78	97.91	99.12	79.82	157.75

U Under detection limit.

Custer, South Dakota (CUSD) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbV)

Sample No.:	CUSD 30128	CUSD 30246	CUSD 30314	CUSD 30415 D1	CUSD 30415 R1	CUSD 30413 D2	CUSD 30413 R2
Sampling Date:	10/5/2002	10/11/2002	10/17/2002	10/23/2002	10/23/2002	10/23/2002	10/23/2002
Analysis Date:	10/22/2002	11/11/2002	11/13/2002	11/22/2002	12/4/2002	11/22/2002	12/4/2002
Filename:	L2JV014	N2KJ013	N2KL023	N2KU013	N2LC015	N2KU014	N2LC016
Ethylene	1.31	1.43	1.90	2.04	2.43	2.04	2.48
Acetylene	0.87	1.18	1.54	1.30	0.59	1.29	0.80
Ethane	2.56	3.27	3.32	3.56	4.57	3.55	4.48
Propylene	0.59	0.62	0.72	0.57	0.70	0.56	0.68
Propane	5.47	17.68	16.77	6.72	7.89	6.70	7.97
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.31	0.95	0.97	0.32	0.39	0.33	0.39
Isobutene/1-Butene	0.30	0.41	0.33	0.23	0.32	0.42	0.57
1,3-Butadiene	ND	0.05 U	0.07	0.05 U	0.06 U	0.05 U	0.06 U
n-Butane	0.56	1.59	1.71	0.66	0.77	0.68	0.79
trans-2-Butene	0.10	0.15	0.15	0.04 U	0.05	0.04 U	0.06
cis-2-Butene	0.13	0.16	0.13	0.04 U	0.03 U	0.05 U	0.05 U
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	0.87	2.58	2.47	0.45	0.53	0.46	0.53
1-Pentene	ND	0.12	0.15	0.02 U	ND	0.03 U	ND
2-Methyl-1-butene	0.05 U	0.15	0.14	0.03 U	0.03 U	0.03 U	0.03 U
n-Pentane	0.50	6.57	2.57	0.29	0.35	0.30	0.37
Isoprene	0.10	0.09	0.07	0.05	0.05	0.05	0.05
trans-2-Pentene	0.09	0.28	0.21	0.05	0.06	0.04	0.05
cis-2-Pentene	0.09	0.16	0.13	0.05	0.06	0.05	0.05
2-Methyl-2-butene	0.06	0.23	0.22	0.03 U	ND	0.04 U	0.05
2,2-Dimethylbutane	0.12	0.07	0.13	0.04	0.05	0.10	0.09
Cyclopentene	ND	0.07	ND	ND	ND	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.13	0.13	ND	0.05	0.07	0.05	0.05
2,3-Dimethylbutane	0.18	0.14	0.15	0.07	0.08	0.05	0.08
2-Methylpentane	0.24	0.54	0.51	0.14	0.17	0.14	0.16
3-Methylpentane	0.22	0.41	0.37	0.12	0.12	0.09	0.10
2-Methyl-1-pentene	ND	ND	ND	ND	0.07	ND	ND
1-Hexene	0.08	0.14	0.08	0.05	0.11	0.07	0.05
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.22	0.59	0.46	0.14	0.17	0.14	0.17
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	0.04 U	ND	ND	ND	ND	ND
Methylcyclopentane	0.14	0.29	0.26	0.09	0.09	0.10	0.08
2,4-Dimethylpentane	0.12	0.10	0.12	0.08	0.06	0.05	0.04
Benzene	0.32	0.67	0.67	0.33	0.42	0.41	0.49
Cyclohexane	0.11	0.23	0.12	0.04	0.05	0.05	0.06
2-Methylhexane	0.08	0.38	0.72	0.16	0.11	0.16	0.07
2,3-Dimethylpentane	0.22	0.14	0.39	0.05	0.09	0.08	0.12
3-Methylhexane	0.07	0.22	0.62	0.07	0.09	ND	0.97
1-Heptene	ND	0.04	ND	0.03 U	0.04	0.03 U	0.03 U
2,2,4-Trimethylpentane	0.28	0.23	0.28	0.10	0.15	0.11	0.12
n-Heptane	0.10	0.23	0.36	0.08	0.09	0.08	0.09
Methylcyclohexane	0.06	0.12	0.12	0.04	0.06	0.04	0.04
2,2,3-Trimethylpentane	0.03	0.06	0.06	0.03	0.03 U	0.02 U	0.02 U
2,3,4-Trimethylpentane	0.11	0.06	0.07	0.04	0.07	0.03	0.04
Toluene	0.91	3.25	3.29	0.37	0.44	0.38	0.47
2-Methylheptane	0.07	0.08	0.06	0.02 U	0.02 U	0.03 U	0.09
3-Methylheptane	0.06	0.08	0.06	0.03	0.03	0.09	0.12
1-Octene	ND	0.17	ND	0.02 U	0.02 U	ND	ND
n-Octane	0.08	0.11	0.09	0.04	0.04	0.03	0.04
Ethylbenzene	0.07	0.21	0.18	0.05	0.07	0.05	0.06
m-Xylene/p-Xylene	0.23	0.66	0.58	0.15	0.17	0.18	0.21
Styrene	0.03	0.17	0.05	ND	0.02	0.02	0.04
o-Xylene	0.11	0.23	0.18	0.06	0.07	0.08	0.10
1-Nonene	ND	0.04 U	0.03 U	ND	0.02 U	ND	ND
n-Nonane	0.03	0.05	0.04	0.02	0.03	0.02	0.02
Isopropylbenzene	0.03 U	0.03 U	ND	ND	ND	ND	ND
α-Pinene	0.02 U	ND	ND	ND	ND	ND	0.02 U
n-Propylbenzene	0.03 U	0.05	0.04	0.02 U	0.03 U	0.02 U	0.03
m-Ethyltoluene	0.04	0.16	0.14	0.03	0.03	0.03	0.04
p-Ethyltoluene	0.04	0.07	0.06	0.02 U	0.03 U	0.02 U	0.03 U
1,3,5-Trimethylbenzene	0.05	0.07	0.05	ND	0.02 U	0.02 U	0.03
o-Ethyltoluene	0.04	0.05	0.04	ND	ND	0.02 U	0.02 U
β-Pinene	0.02 U	ND	ND	ND	ND	ND	0.01 U
1,2,4-Trimethylbenzene	0.07	0.15	0.09	0.04	0.04	0.06	0.09
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.05	0.12	0.10	0.02	0.03	0.02	0.03
1,2,3-Trimethylbenzene	0.02	0.03	0.03	ND	0.02	0.02	ND
m-Diethylbenzene	0.03 U	ND	ND	ND	ND	ND	0.02 U
p-Diethylbenzene	0.02	0.02	ND	ND	ND	ND	ND
1-Undecene	ND	ND	ND	ND	ND	ND	0.01 U
n-Undecane	0.05	0.21	0.24	0.03 U	0.03	0.03 U	0.04
1-Dodecene	ND	ND	ND	ND	ND	ND	ND
n-Dodecane	0.05 U	0.14	0.07	ND	ND	0.02 U	ND
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	ND	ND	ND	ND
TNMOC (speciated) in ppbv	18.94	48.68	44.45	19.16	22.21	19.59	23.85
TNMOC (w/ unknowns) in ppbC	97.81	230.92	204.44	90.05	126.40	115.09	164.02

U Under detection limit.

Custer, South Dakota (CUSD) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbV)

Sample No.:	CUSD 30480	CUSD 30573	CUSD 30649	CUSD 30747	CUSD 30857	CUSD 30887	CUSD 30996
Sampling Date:	10/29/2002	11/4/2002	11/10/2002	11/16/2002	11/22/2002	11/28/2002	12/4/2002
Analysis Date:	11/26/2002	12/4/2002	12/13/2002	12/16/2002	12/17/2002	12/21/2002	12/23/2002
Filename:	L2KZ006	L2LC021	N2LM008	N2LO015	N2LQ012	N2LT015	N2LW008
Ethylene	1.17	1.51	1.17	2.62	1.32	0.40	2.06
Acetylene	0.61	0.95	0.93	1.75	0.88	0.40	1.59
Ethane	3.14	2.83	2.51	4.05	2.90	1.55	5.12
Propylene	0.31	0.50	0.33	1.09	0.58	0.15	0.43
Propane	1.45	2.65	3.93	24.99	11.90	2.89	6.84
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.25	0.42	0.31	0.84	0.55	0.17	0.61
Isobutene/1-Butene	0.19	0.31	0.16	0.41	0.36	0.11	0.17
1,3-Butadiene	ND	ND	0.03	U	0.03	U	0.07
n-Butane	0.42	0.64	0.56	1.51	0.90	0.32	1.57
trans-2-Butene	0.07	0.16	0.04	U	0.03	U	ND
cis-2-Butene	0.07	0.24	0.05	U	0.02	U	ND
3-Methyl-1-butene	ND	ND	ND	0.02	U	ND	ND
Isopentane	0.80	0.69	0.56	1.11	0.69	0.23	0.60
1-Pentene	ND	0.16	0.12	ND	ND	0.03	U
2-Methyl-1-butene	ND	0.04	U	0.02	U	ND	0.03
n-Pentane	0.17	0.41	0.48	0.59	0.38	0.32	0.65
Isoprene	ND	0.10	0.04	0.05	0.02	U	0.04
trans-2-Pentene	ND	0.14	0.04	0.13	0.04	ND	0.02
cis-2-Pentene	0.06	0.13	0.04	0.06	0.02	U	ND
2-Methyl-2-butene	ND	0.05	U	0.03	U	ND	0.04
2,2-Dimethylbutane	0.09	0.17	0.04	0.06	0.02	ND	0.02
Cyclopentene	ND	ND	ND	ND	ND	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.05	0.14	0.04	0.08	0.05	0.04	0.04
2,3-Dimethylbutane	0.15	0.23	0.05	0.11	0.06	0.03	0.05
2-Methylpentane	0.08	0.21	0.10	0.30	0.18	0.06	0.19
3-Methylpentane	0.10	0.24	0.08	0.21	0.14	0.04	0.12
2-Methyl-1-pentene	ND	ND	ND	ND	0.05	ND	ND
1-Hexene	0.11	0.16	0.03	U	0.06	0.02	U
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.09	0.26	0.12	0.24	0.17	0.06	0.27
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.17	0.17	0.07	0.12	0.09	0.02	0.10
2,4-Dimethylpentane	0.06	0.15	0.03	0.07	0.03	ND	0.02
Benzene	0.20	0.33	0.25	0.51	0.24	0.12	0.41
Cyclohexane	0.09	0.18	0.06	0.07	0.05	0.02	U
2-Methylhexane	ND	0.06	0.02	U	0.11	0.12	0.02
2,3-Dimethylpentane	0.18	0.19	0.04	U	0.09	0.07	0.03
3-Methylhexane	0.11	0.10	0.06	0.09	0.07	0.02	U
1-Heptene	ND	ND	0.02	U	ND	0.02	U
2,2,4-Trimethylpentane	0.09	0.18	0.07	0.20	0.09	0.04	0.07
n-Heptane	0.07	0.12	0.08	0.10	0.06	0.03	U
Methylcyclohexane	0.09	0.13	0.05	0.07	0.06	0.02	U
2,2,3-Trimethylpentane	ND	ND	ND	0.04	0.03	U	ND
2,3,4-Trimethylpentane	0.06	0.09	0.03	0.07	0.03	0.01	U
Toluene	0.52	0.41	0.31	0.69	0.43	0.12	0.38
2-Methylheptane	0.04	0.07	0.02	U	0.03	U	0.02
3-Methylheptane	0.06	0.09	0.02	U	0.04	0.02	U
1-Octene	ND	ND	ND	ND	0.04	ND	ND
n-Octane	0.07	0.08	0.04	0.05	0.04	0.01	U
Ethylbenzene	0.21	0.08	0.04	0.08	0.04	0.01	U
m-Xylene/p-Xylene	0.46	0.16	0.12	0.29	0.15	0.05	0.14
Styrene	0.06	ND	0.04	ND	ND	ND	0.02
o-Xylene	0.17	0.08	0.04	0.10	0.05	0.02	0.05
1-Nonene	ND	ND	ND	0.02	U	0.01	U
n-Nonane	0.19	0.05	0.02	0.03	0.02	ND	0.02
Isopropylbenzene	0.06	0.07	ND	0.02	U	ND	ND
α-Pinene	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.07	0.04	0.02	U	0.03	U	ND
m-Ethyltoluene	0.16	0.05	0.03	0.04	0.03	ND	0.03
p-Ethyltoluene	0.15	0.05	0.02	U	0.03	U	ND
1,3,5-Trimethylbenzene	0.11	0.04	0.02	U	0.02	U	ND
o-Ethyltoluene	0.04	0.05	0.01	U	0.02	U	ND
β-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.19	0.05	0.04	0.04	0.03	0.01	U
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.37	0.06	0.05	0.03	0.02	U	0.02
1,2,3-Trimethylbenzene	0.04	ND	ND	0.02	ND	ND	ND
m-Diethylbenzene	ND	ND	ND	0.01	U	ND	ND
p-Diethylbenzene	ND	ND	ND	0.01	U	ND	ND
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.17	0.04	0.08	0.02	U	0.03	0.06
1-Dodecene	ND	ND	ND	ND	ND	ND	ND
n-Dodecane	0.16	0.03	0.05	U	ND	0.01	U
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	ND	ND	ND	ND
TNMOC (speciated) in ppbv	13.76	16.55	13.57	43.78	23.29	7.45	22.49
TNMOC (w/ unknowns) in ppbC	117.24	78.92	65.49	174.19	139.65	37.12	85.81

U Under detection limit.

Custer, South Dakota (CUSD) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ppbV)

Sample No.:	CUSD 31107	CUSD 31285	CUSD 31283	CUSD 31379
Sampling Date:	12/10/2002	12/16/2002	12/22/2002	12/28/2002
Analysis Date:	1/8/2003	1/11/2003	1/13/2003	1/17/2003
Filename:	L3AG023	N3AJ019	L3AM012	L3AQ012
Ethylene	2.78	2.53	1.85	1.41
Acetylene	2.14	1.78	1.29	1.18
Ethane	5.33	3.50	3.30	4.10
Propylene	0.80	0.94	0.58	0.52
Propane	14.08	11.45	8.68	9.95
Propyne	ND	ND	ND	ND
Isobutane	0.75	0.79	0.37	1.18
Isobutene/1-Butene	0.29	1.13	0.19	0.24
1,3-Butadiene	0.08	0.06	U	0.05
n-Butane	1.17	1.14	0.55	1.41
trans-2-Butene	0.05	0.06	ND	0.07
cis-2-Butene	0.06	0.08	ND	0.06
3-Methyl-1-butene	ND	0.03	U	ND
Isopentane	1.03	0.75	0.41	2.49
1-Pentene	0.14	1.38	0.03	0.07
2-Methyl-1-butene	0.06	0.10	0.04	0.05
n-Pentane	0.58	0.50	0.31	1.78
Isoprene	0.05	0.06	ND	ND
trans-2-Pentene	0.06	0.05	ND	0.05
cis-2-Pentene	ND	0.04	U	ND
2-Methyl-2-butene	ND	ND	ND	0.06
2,2-Dimethylbutane	0.03	0.03	ND	0.06
Cyclopentene	ND	ND	ND	ND
4-Methyl-1-pentene	ND	0.10	ND	ND
Cyclopentane	0.10	0.06	0.10	0.24
2,3-Dimethylbutane	0.08	0.10	0.04	0.12
2-Methylpentane	0.30	0.80	0.11	0.54
3-Methylpentane	0.20	0.18	0.09	0.35
2-Methyl-1-pentene	ND	ND	ND	ND
1-Hexene	ND	0.12	ND	ND
2-Ethyl-1-butene	ND	ND	ND	ND
n-Hexane	0.27	0.22	0.13	0.25
trans-2-Hexene	ND	ND	ND	ND
cis-2-Hexene	ND	0.10	ND	ND
Methylcyclopentane	0.15	0.44	0.08	0.13
2,4-Dimethylpentane	0.05	0.11	0.03	0.03
Benzene	0.53	0.40	0.40	0.32
Cyclohexane	0.09	0.09	0.04	0.15
2-Methylhexane	0.26	0.78	ND	0.15
2,3-Dimethylpentane	0.16	ND	ND	0.13
3-Methylhexane	0.13	4.68	0.04	0.10
1-Heptene	0.03	U	0.07	0.03
2,2,4-Trimethylpentane	0.14	0.21	0.08	0.10
n-Heptane	0.11	0.07	0.05	0.09
Methylcyclohexane	0.08	0.33	ND	0.08
2,2,3-Trimethylpentane	ND	0.07	ND	ND
2,3,4-Trimethylpentane	0.05	0.05	ND	0.03
Toluene	0.75	0.61	0.39	1.04
2-Methylheptane	0.03	0.35	ND	ND
3-Methylheptane	0.03	0.02	U	ND
1-Octene	ND	ND	ND	ND
n-Octane	0.05	0.07	0.03	0.05
Ethylbenzene	0.07	0.05	0.04	0.05
m-Xylene/p-Xylene	0.24	0.67	0.13	0.17
Styrene	ND	ND	ND	ND
o-Xylene	0.08	0.10	0.06	0.07
1-Nonene	ND	0.06	ND	ND
n-Nonane	ND	0.07	ND	ND
Isopropylbenzene	ND	0.07	ND	ND
α-Pinene	0.03	U	0.32	ND
n-Propylbenzene	ND	0.08	ND	ND
m-Ethyltoluene	0.06	0.04	ND	0.03
p-Ethyltoluene	ND	0.06	ND	ND
1,3,5-Trimethylbenzene	ND	0.04	ND	0.02
o-Ethyltoluene	ND	0.02	U	ND
β-Pinene	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.03	0.14	ND	ND
1-Decene	ND	ND	ND	ND
n-Decane	0.02	0.04	0.02	0.02
1,2,3-Trimethylbenzene	ND	0.05	ND	ND
m-Diethylbenzene	ND	ND	ND	ND
p-Diethylbenzene	ND	ND	ND	ND
1-Undecene	ND	ND	ND	ND
n-Undecane	0.03	0.03	U	0.02
1-Dodecene	ND	ND	ND	ND
n-Dodecane	0.02	U	0.01	U
1-Tridecene	ND	0.01	U	ND
n-Tridecane	ND	ND	ND	ND
TNMOC (speciated) in ppbv	33.64	38.29	19.50	29.04
TNMOC (w/ unknowns) in ppbC	190.27	456.71	82.77	149.54

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(Reported in ppbC)

Sample No.:	DAIA 25103	DAIA 25248	DAIA 25528	DAIA 25820	DAIA 26049 D1	DAIA 26049 R1	DAIA 26051 D2
Sampling Date:	1/8/2002	1/20/2002	2/1/2002	2/13/2002	2/25/2002	2/25/2002	2/25/2002
Analysis Date:	1/25/2002	1/29/2002	2/27/2002	3/1/2002	3/6/2002	3/6/2002	3/6/2002
Filename:	L2AY009	L2A#006	L2BZ019	L2B1014	L2CE021	L2CF008	L2CE022
Ethylene	3.23	3.25	2.97	2.66	1.97	1.86	1.88
Acetylene	2.08	2.25	2.52	2.30	1.95	1.96	1.97
Ethane	13.63	9.39	7.14	8.83	6.38	6.39	6.38
Propylene	1.55	1.42	1.38	1.29	1.03	0.97	0.83
Propane	10.80	7.03	6.61	7.34	5.12	5.20	5.11
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	3.14	2.14	1.61	1.89	1.38	1.40	1.38
Isobutene/1-Butene	1.26	1.44	1.62	1.52	1.12	1.02	1.01
1,3-Butadiene	ND	0.18 U	0.25 U	0.15 U	ND	ND	ND
n-Butane	8.23	5.72	4.78	5.92	4.35	4.35	4.33
trans-2-Butene	0.31	0.29	0.37	0.36	0.30	0.32	0.31
cis-2-Butene	0.39	0.41	0.46	0.46	0.46	0.36	0.44
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	5.04	3.76	3.10	3.42	2.80	2.73	2.71
1-Pentene	0.31	0.41	0.37	0.44	0.36	0.30	0.25
2-Methyl-1-butene	0.32	0.32	0.35	0.33	0.19 U	0.22 U	0.18 U
n-Pentane	3.40	2.07	1.84	2.04	1.51	1.51	1.53
Isoprene	0.46	0.30	0.43	0.57	0.31	0.31	0.44
trans-2-Pentene	0.28	0.31	0.30	0.38	0.34	0.38	0.33
cis-2-Pentene	0.35	0.32	0.42	0.38	0.40	0.40	0.38
2-Methyl-2-butene	0.26	0.38	0.36	0.38	0.23 U	0.21 U	0.20 U
2,2-Dimethylbutane	0.58	0.66	0.56	0.67	0.67	0.55	0.66
Cyclopentene	ND	ND	0.16 U	0.19 U	ND	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.43	0.48	0.35	0.49	0.41	0.32	0.38
2,3-Dimethylbutane	0.70	0.67	0.72	0.71	0.71	0.66	0.70
2-Methylpentane	1.71	2.50	2.34	1.89	1.55	1.38	1.33
3-Methylpentane	1.37	1.06	0.99	1.08	0.84	0.84	0.79
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.53	0.52	0.63	0.62	0.67	0.64	0.49
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	1.76	1.28	1.15	1.44	0.93	0.87	1.03
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.99	0.64	0.78	0.67	0.71	0.54	0.58
2,4-Dimethylpentane	0.48	0.58	0.54	0.58	0.56	0.51	0.52
Benzene	1.94	2.19	2.72	2.28	1.80	1.81	1.83
Cyclohexane	0.66	0.55	0.53	0.61	0.57	0.57	0.55
2-Methylhexane	1.21	1.57	1.36	1.15	1.01	1.06	0.83
2,3-Dimethylpentane	0.97	0.84	0.90	0.90	0.89	0.88	0.89
3-Methylhexane	0.86	3.51	0.68	0.64	0.48	0.53	0.58
1-Heptene	ND	0.16 U	0.21 U	ND	0.16 U	ND	ND
2,2,4-Trimethylpentane	1.00	0.88	1.08	1.00	0.79	0.77	0.87
n-Heptane	0.67	0.50	0.59	0.56	0.47	0.42	0.40
Methylcyclohexane	0.62	0.87	0.56	0.60	0.53	0.52	0.48
2,2,3-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND
2,3,4-Trimethylpentane	0.32	0.35	0.38	0.33	0.33	0.39	0.39
Toluene	2.37	2.50	2.24	2.40	1.77	1.73	1.77
2-Methylheptane	0.27	0.27	0.24 U	0.24 U	0.24 U	0.25	0.26
3-Methylheptane	0.29	0.26	0.29	0.26	0.23	0.24	0.24
1-Octene	ND	ND	ND	ND	ND	ND	ND
n-Octane	0.44	0.38	0.35	0.35	0.29	0.31	0.30
Ethylbenzene	0.42	0.43	0.50	0.59	0.40	0.33	0.38
m-Xylene/p-Xylene	1.20	1.09	0.84	1.06	0.76	0.26	0.76
Styrene	ND	1.90	0.38	0.19	0.25	0.27	0.24
o-Xylene	0.52	0.53	0.40	0.42	0.33	0.30	0.31
1-Nonene	ND	ND	ND	ND	ND	ND	ND
n-Nonane	0.32	0.29	0.28	0.24	0.35	0.33	0.27
Isopropylbenzene	0.38	0.31	0.26 U	0.27 U	0.24 U	0.25 U	0.25 U
a-Pinene	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.34	0.47	0.35	0.40	ND	0.18 U	0.16 U
m-Ethyltoluene	0.90	0.85	0.77	0.79	0.71	0.62	0.89
p-Ethyltoluene	0.39	0.36	0.43	0.39	0.27 U	0.31 U	0.29 U
1,3,5-Trimethylbenzene	0.35	0.19	0.22	0.17 U	0.22	ND	ND
o-Ethyltoluene	0.37	0.31	0.28 U	0.28 U	0.35	0.25 U	0.25 U
b-Pinene	0.22 U	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.50	0.74	0.63	0.62	0.61	0.44	0.38
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.23	0.42	0.65	0.65	0.85	0.81	0.45
1,2,3-Trimethylbenzene	0.39	0.90	0.92	0.86	0.31	0.32	0.20
m-Diethylbenzene	0.72	0.24 U	1.93	0.73	0.42	0.48	1.22
p-Diethylbenzene	0.59	0.37	0.75	0.60	0.35	0.34	0.48
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	1.01	1.78	2.46	2.58	2.63	2.48	2.73
1-Dodecene	ND	ND	ND	ND	ND	ND	ND
n-Dodecane	ND	0.67 U	0.81	0.73 U	1.05	1.01	2.07
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	0.22 U	0.18 U	0.27 U	0.24 U	0.50 U
TNMOC (speciated)	83.99	76.43	70.27	72.04	57.18	54.91	57.35
TNMOC (w/ unknowns)	111.72	168.23	178.21	131.48	100.09	92.43	99.22

NR Not reported due to a large interfering non-target peak.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

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(Reported in ppbC)

Sample No.:	DAIA 26051 R2	DAIA 26226	DAIA 26442	DAIA 26638	DAIA 26856	DAIA 27101	DAIA 27450
Sampling Date:	2/25/2002	3/9/2002	3/21/2002	4/2/2002	4/14/2002	4/26/2002	5/8/2002
Analysis Date:	3/6/2002	3/13/2002	4/5/2002	4/11/2002	4/26/2002	5/3/2002	5/14/2002
Filename:	L2CF009	L2CM007	L2DE006	L2DK005	L2DZ007	L2EC006	L2EN006
Ethylene	1.91	1.56	3.89	3.80	2.42	3.41	2.12
Acetylene	1.92	1.56	1.47	1.87	1.57	1.54	1.50
Ethane	6.43	6.90	6.10	7.01	8.42	5.81	4.81
Propylene	0.82	1.02	2.15	1.40	1.27	1.60	1.18
Propane	5.18	5.72	4.78	5.21	6.58	4.31	3.61
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	1.35	1.40	1.15	1.91	1.67	1.29	1.32
Isobutene/1-Butene	1.01	1.30	1.85	1.16	1.24	2.13	1.29
1,3-Butadiene	ND	ND	ND	0.16	0.14	ND	ND
n-Butane	4.36	3.35	2.97	4.26	5.21	2.95	3.63
trans-2-Butene	0.31	0.33	0.34	0.31	0.33	0.40	0.31
cis-2-Butene	0.39	0.36	0.44	0.45	0.45	0.52	0.43
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	2.64	2.11	13.97	3.14	4.92	3.49	4.82
1-Pentene	0.28	0.31	0.48	0.32	0.40	0.43	0.40
2-Methyl-1-butene	0.15	U	0.28	0.28	0.43	0.48	0.37
n-Pentane	1.53	1.47	1.02	1.55	2.14	2.18	2.20
Isoprene	0.47	0.21	0.32	0.36	0.25	0.25	0.26
trans-2-Pentene	0.30	0.32	0.32	0.33	0.43	0.37	0.44
cis-2-Pentene	0.36	0.35	0.34	0.33	0.41	0.42	0.38
2-Methyl-2-butene	0.20	U	0.22	0.21	ND	0.39	0.40
2,2-Dimethylbutane	0.69	0.59	0.63	0.60	0.75	0.62	0.63
Cyclopentene	ND	ND	ND	ND	0.26	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.40	0.29	0.38	0.36	0.39	0.40	0.40
2,3-Dimethylbutane	0.63	0.52	0.53	0.68	0.74	0.65	0.71
2-Methylpentane	1.31	1.81	3.62	1.40	2.54	3.33	1.71
3-Methylpentane	0.87	0.70	0.64	1.07	1.42	1.03	1.56
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.53	0.58	0.73	0.59	0.55	0.72	0.62
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.93	0.77	0.72	1.08	1.41	1.03	1.38
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.57	0.52	1.83	0.57	0.83	0.63	0.79
2,4-Dimethylpentane	0.54	0.44	0.59	0.51	0.65	0.59	0.56
Benzene	1.92	1.97	2.12	1.80	2.45	2.13	1.94
Cyclohexane	0.54	0.59	0.47	0.50	0.51	0.53	0.54
2-Methylhexane	0.86	1.06	3.42	1.10	1.17	1.74	1.11
2,3-Dimethylpentane	0.80	0.72	1.04	1.05	1.01	1.18	0.96
3-Methylhexane	0.54	0.36	ND	0.73	0.75	0.82	1.20
1-Heptene	ND	ND	0.31	0.18	U	0.14	U
2,2,4-Trimethylpentane	0.83	0.46	0.76	0.91	1.22	1.03	1.23
n-Heptane	0.45	0.45	0.42	0.48	0.68	0.59	0.57
Methylcyclohexane	0.44	0.48	0.51	0.48	0.58	0.72	0.50
2,2,3-Trimethylpentane	ND	ND	0.29	ND	ND	ND	ND
2,3,4-Trimethylpentane	0.37	0.36	0.45	0.35	0.51	0.41	0.49
Toluene	1.82	1.40	1.21	1.90	4.61	2.94	3.71
2-Methylheptane	0.22	U	0.22	U	0.25	0.30	0.30
3-Methylheptane	0.25	0.25	0.23	0.25	0.37	0.31	0.36
1-Octene	ND	ND	0.24	ND	0.15	U	ND
n-Octane	0.33	0.35	0.33	0.27	0.48	0.50	0.45
Ethylbenzene	0.33	0.34	0.22	0.39	0.69	0.54	0.72
m-Xylene/p-Xylene	0.72	0.61	0.44	0.75	2.06	1.29	1.94
Styrene	ND	0.63	1.78	0.50	0.66	0.73	0.57
o-Xylene	0.38	0.31	0.30	0.38	0.84	0.54	0.76
1-Nonene	ND	0.59	ND	ND	ND	ND	ND
n-Nonane	0.25	0.31	0.21	0.28	0.40	0.43	0.47
Isopropylbenzene	0.15	U	0.24	U	0.15	U	0.34
a-Pinene	ND	0.52	ND	ND	ND	ND	ND
n-Propylbenzene	0.16	U	0.26	U	0.32	0.55	0.59
m-Ethyltoluene	0.81	0.98	0.38	0.72	1.41	1.51	1.89
p-Ethyltoluene	0.29	U	0.39	0.20	U	0.61	0.85
1,3,5-Trimethylbenzene	ND	0.29	0.15	U	0.17	U	0.69
o-Ethyltoluene	0.27	U	0.34	ND	0.30	0.51	0.88
b-Pinene	ND	ND	ND	ND	0.45	ND	ND
1,2,4-Trimethylbenzene	0.18	0.79	0.38	0.62	1.39	0.92	2.80
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.48	0.75	0.32	0.33	0.66	0.97	0.80
1,2,3-Trimethylbenzene	0.35	1.36	0.73	0.62	0.94	0.95	1.67
m-Diethylbenzene	0.76	ND	ND	0.89	1.88	1.52	1.08
p-Diethylbenzene	0.41	1.29	ND	0.63	0.76	1.10	0.68
1-Undecene	ND	ND	0.35	0.48	ND	ND	ND
n-Undecane	2.59	2.95	0.46	2.29	1.99	2.36	2.86
1-Dodecene	ND	ND	ND	ND	ND	ND	ND
n-Dodecane	1.73	1.24	0.85	0.72	U	0.64	U
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	0.37	U	0.60	U	0.25	U	0.29
TNMOC (speciated)	55.68	58.13	71.61	62.21	80.06	69.96	71.85
TNMOC (w/ unknowns)	102.20	201.95	247.40	147.08	213.67	215.17	164.35

NR Not reported due to a large interfering non-target peak.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

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(Reported in ppbC)

Sample No.:	DAIA 27670	DAIA 27829	DAIA 28124	DAIA 28386 D1	DAIA 28388 D2	DAIA 28605	DAIA 28808
Sampling Date:	5/20/2002	6/1/2002	6/13/2002	6/25/2002	6/25/2002	7/7/2002	7/19/2002
Analysis Date:	5/24/2002	7/1/2002	7/13/2002				8/12/2002
Filename:	L2EW019	L2GA004	L2GL017	VOID	VOID	VOID	L2HL006
Ethylene	3.22	5.09	2.85				5.72
Acetylene	1.96	2.18	1.10				1.89
Ethane	6.46	7.03	4.29				9.67
Propylene	1.45	2.92	1.49				3.59
Propane	3.29	6.63	3.64				8.76
Propyne	ND	ND	ND				ND
Isobutane	1.32	1.86	1.52				2.98
Isobutene/1-Butene	1.62	2.07	1.53				2.96
1,3-Butadiene	0.23	U	0.36	ND			ND
n-Butane	3.10	5.52	3.67				5.84
trans-2-Butene	0.41	0.45	0.58				1.29
cis-2-Butene	0.56	0.70	0.78				2.40
3-Methyl-1-butene	ND	0.20	U	ND			ND
Isopentane	5.84	10.14	5.93				NR
1-Pentene	0.52	0.63	0.63				NR
2-Methyl-1-butene	0.46	0.92	0.46				NR
n-Pentane	2.80	4.64	2.66				5.43
Isoprene	0.34	3.42	1.22				3.72
trans-2-Pentene	0.49	0.82	0.65				1.61
cis-2-Pentene	0.46	0.67	0.76				2.61
2-Methyl-2-butene	0.45	1.00	0.39				ND
2,2-Dimethylbutane	0.70	1.12	1.22				3.74
Cyclopentene	ND	ND	0.31				ND
4-Methyl-1-pentene	ND	1.12	ND				ND
Cyclopentane	0.40	0.70	0.76				2.56
2,3-Dimethylbutane	0.87	1.25	1.39				4.57
2-Methylpentane	2.07	5.75	2.08				5.88
3-Methylpentane	1.59	2.40	1.77				22.40
2-Methyl-1-pentene	ND	0.19	U	ND			ND
1-Hexene	0.58	0.68	1.11				3.81
2-Ethyl-1-butene	ND	ND	ND				ND
n-Hexane	1.34	2.52	1.89				622.60
trans-2-Hexene	ND	ND	ND				ND
cis-2-Hexene	ND	ND	ND				ND
Methylcyclopentane	0.86	1.61	0.98				212.88
2,4-Dimethylpentane	0.66	0.95	1.08				3.00
Benzene	2.23	3.19	2.07				4.21
Cyclohexane	0.52	0.89	0.96				3.41
2-Methylhexane	1.19	2.73	1.26				3.82
2,3-Dimethylpentane	1.10	1.74	1.40				4.42
3-Methylhexane	1.56	1.68	2.00				2.50
1-Heptene	0.19	U	ND	ND			ND
2,2,4-Trimethylpentane	1.46	3.45	1.39				2.70
n-Heptane	0.70	1.79	0.85				2.00
Methylcyclohexane	0.52	1.87	0.79				2.56
2,2,3-Trimethylpentane	ND	0.67	ND				ND
2,3,4-Trimethylpentane	0.49	0.85	0.69				1.96
Toluene	4.19	9.63	3.24				5.87
2-Methylheptane	0.31	1.15	0.45				1.42
3-Methylheptane	0.37	1.34	0.45				1.55
1-Octene	0.14	U	ND	ND			ND
n-Octane	0.48	2.79	0.53				1.63
Ethylbenzene	0.73	1.18	1.00				1.28
m-Xylene/p-Xylene	1.78	3.44	1.31				2.40
Styrene	0.48	2.06	1.48				ND
o-Xylene	0.68	1.42	0.61				1.07
1-Nonene	ND	ND	ND				ND
n-Nonane	0.42	0.94	0.40				0.84
Isopropylbenzene	0.29	U	1.19	0.47			0.84
a-Pinene	ND	0.80	0.57				ND
n-Propylbenzene	0.42	0.76	0.31				ND
m-Ethyltoluene	1.09	1.85	0.78				ND
p-Ethyltoluene	0.49	0.97	0.67				0.99
1,3,5-Trimethylbenzene	0.24	0.65	ND				ND
o-Ethyltoluene	0.45	0.88	0.56				ND
b-Pinene	ND	ND	ND				0.92
1,2,4-Trimethylbenzene	0.98	2.15	0.88				1.07
1-Decene	ND	ND	ND				ND
n-Decane	0.46	0.98	0.86				ND
1,2,3-Trimethylbenzene	0.73	1.74	2.16				ND
m-Diethylbenzene	0.70	2.08	1.53				ND
p-Diethylbenzene	0.67	0.97	0.82				ND
1-Undecene	ND	0.66	0.76				ND
n-Undecane	3.75	2.47	4.21				2.23
1-Dodecene	ND	ND	ND				ND
n-Dodecane	0.54	U	0.30	U	2.26		0.71
1-Tridecene	ND	ND	1.62				ND
n-Tridecane	ND	0.14	U	1.85			ND
TNMOC (speciated)	74.39	136.90	87.90				990.30
TNMOC (w/ unknowns)	161.33	373.43	146.74				1017.78

NR Not reported due to a large interfering non-target peak.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Davenport, Iowa (DAIA) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ppbC)

Sample No.:	DAIA 28934 D1	DAIA 28936 D2	DAIA 29046	DAIA 29161	DAIA 29311	DAIA 29475	DAIA 29740
Sampling Date:	7/25/2002	7/25/2002	7/31/2002	8/6/2002	8/12/2002	8/24/2002	9/5/2002
Analysis Date:	8/14/2002	8/14/2002	8/31/2002	9/1/2002	9/4/2002		
Filename:	L2HM020	L2HM021	L2H%007	L2H%021	L2ID009	VOID	VOID
Ethylene	1.49	1.69	5.39	4.72	2.74		
Acetylene	0.61	0.68	1.32	1.02	1.48		
Ethane	2.52	2.65	5.69	3.45	5.26		
Propylene	0.90	1.04	4.22	3.21	1.82		
Propane	2.43	2.55	4.72	3.01	4.86		
Propyne	ND	ND	ND	ND	ND		
Isobutane	0.79	0.83	1.82	1.17	1.36		
Isobutene/1-Butene	0.96	1.15	6.74	4.78	1.90		
1,3-Butadiene	ND	ND	0.19	U	ND		
n-Butane	1.53	1.61	4.33	2.24	5.06		
trans-2-Butene	0.42	0.44	0.60	0.78	0.44		
cis-2-Butene	0.46	0.52	0.75	0.86	0.71		
3-Methyl-1-butene	ND	ND	ND	ND	ND		
Isopentane	NR	NR	NR	NR	NR		
1-Pentene	NR	NR	NR	NR	0.66		
2-Methyl-1-butene	NR	NR	NR	NR	0.44		
n-Pentane	1.29	1.59	2.75	2.77	3.13		
Isoprene	1.10	0.92	3.05	1.85	3.33		
trans-2-Pentene	0.42	0.46	0.77	0.87	0.71		
cis-2-Pentene	0.49	0.52	0.68	0.93	0.72		
2-Methyl-2-butene	0.22	U	0.20	U	ND		
2,2-Dimethylbutane	0.89	0.85	1.06	1.05	1.21		
Cyclopentene	ND	ND	ND	ND	ND		
4-Methyl-1-pentene	ND	ND	ND	ND	ND		
Cyclopentane	0.46	0.46	0.77	0.94	0.70		
2,3-Dimethylbutane	0.90	0.90	1.03	1.32	1.14		
2-Methylpentane	1.49	1.72	5.18	5.08	3.04		
3-Methylpentane	2.02	2.09	6.07	3.28	3.00		
2-Methyl-1-pentene	ND	ND	ND	ND	ND		
1-Hexene	ND	0.71	1.05	1.31	0.83		
2-Ethyl-1-butene	ND	ND	ND	ND	ND		
n-Hexane	35.89	38.70	111.78	60.81	45.33		
trans-2-Hexene	ND	ND	ND	ND	ND		
cis-2-Hexene	ND	ND	ND	ND	ND		
Methylcyclopentane	12.97	13.88	40.19	23.56	17.04		
2,4-Dimethylpentane	0.65	0.64	0.71	1.20	0.82		
Benzene	1.01	0.97	1.99	1.82	2.56		
Cyclohexane	0.71	0.71	0.92	1.03	0.82		
2-Methylhexane	0.83	1.13	5.21	4.15	1.40		
2,3-Dimethylpentane	0.87	0.97	1.14	1.65	1.17		
3-Methylhexane	0.67	0.56	1.61	ND	0.81		
1-Heptene	ND	ND	0.30	ND	ND		
2,2,4-Trimethylpentane	0.63	0.78	1.44	1.53	1.36		
n-Heptane	0.43	0.44	0.63	0.63	0.72		
Methylcyclohexane	0.57	0.60	0.53	0.97	0.82		
2,2,3-Trimethylpentane	ND	ND	0.35	ND	ND		
2,3,4-Trimethylpentane	0.43	0.44	0.87	0.88	0.56		
Toluene	1.67	1.64	4.18	2.64	3.62		
2-Methylheptane	0.32	0.23	U	0.39	0.49		
3-Methylheptane	0.33	0.31	0.37	0.46	0.31		
1-Octene	0.16	U	ND	0.60	ND		
n-Octane	0.40	0.37	0.53	0.65	0.52		
Ethylbenzene	0.40	0.30	0.70	0.48	0.65		
m-Xylene/p-Xylene	0.75	0.72	1.30	0.98	1.43		
Styrene	0.33	0.80	4.50	3.55	0.68		
o-Xylene	0.36	0.31	0.55	0.49	0.68		
1-Nonene	ND	ND	0.67	ND	ND		
n-Nonane	0.26	0.24	0.26	0.29	0.39		
Isopropylbenzene	0.26	U	0.32	0.17	U		
a-Pinene	ND	0.28	U	4.03	2.39		
n-Propylbenzene	0.16	U	0.17	U	0.36		
m-Ethyltoluene	0.33	0.29	0.27	ND	0.73		
p-Ethyltoluene	0.40	0.30	U	0.31	U		
1,3,5-Trimethylbenzene	0.17	U	0.21	0.18	U		
o-Ethyltoluene	0.19	U	0.20	U	0.37		
b-Pinene	0.28	U	0.60	ND	2.14		
1,2,4-Trimethylbenzene	0.62	0.31	0.50	0.40	0.70		
1-Decene	ND	ND	ND	ND	ND		
n-Decane	0.31	0.25	0.29	0.47	1.61		
1,2,3-Trimethylbenzene	0.32	0.44	ND	0.61	0.63		
m-Diethylbenzene	0.74	0.69	ND	2.35	1.88		
p-Diethylbenzene	ND	ND	0.56	0.43	0.60		
1-Undecene	ND	ND	0.32	U	0.36		
n-Undecane	0.75	0.52	1.37	1.18	1.68		
1-Dodecene	ND	ND	ND	ND	0.37		
n-Dodecane	0.47	U	0.37	U	0.50	U	
1-Tridecene	ND	ND	ND	ND	ND		
n-Tridecane	ND	ND	ND	ND	ND		
TNMOC (speciated)	87.00	93.21	248.90	164.75	139.26		
TNMOC (w/ unknowns)	116.74	129.94	491.55	271.33	230.61		

NR Not reported due to a large interfering non-target peak.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Davenport, Iowa (DAIA) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ppbC)

Sample No.:	DAIA 30538	DAIA 30719 D1	DAIA 30719 R1	DAIA 30722 D2	DAIA 30722 R2	DAIA 30905	DAIA 31087
Sampling Date:	11/4/2002	11/16/2002	11/16/2002	11/16/2002	11/16/2002	11/28/2002	12/10/2002
Analysis Date:	12/4/2002	12/16/2002	12/16/2002	12/16/2002	12/16/2002	12/19/2002	1/8/2003
Filename:	L2LC020	N2LO020	N2LP009	N2LO021	N2LP010	N2LR020	L3AG021
Ethylene	7.94 #	3.67	4.28	3.34	3.94	3.51	7.06
Acetylene	4.58	1.56	2.32	1.41	2.48	2.91	5.17
Ethane	14.80	5.47	6.05	5.75	6.11	9.36	13.20
Propylene	3.70	0.60	1.54	0.71	1.42	1.84	3.13
Propane	16.07	5.16	6.08	5.72	6.49	8.40	9.08
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	4.71	2.74	3.35	3.17	3.79	2.68	2.89
Isobutene/1-Butene	2.47	2.48	3.54	0.93	1.71	1.02	1.72
1,3-Butadiene	ND	0.14	U	0.15	U	0.24	U
n-Butane	12.53	4.11	5.14	4.93	5.50	5.90	9.85
trans-2-Butene	1.00	0.16	U	0.12	U	0.73	U
cis-2-Butene	1.43	0.11	U	0.95	U	1.01	U
3-Methyl-1-butene	ND	ND	ND	ND	ND	0.08	U
Isopentane	11.25	3.96	5.40	2.88	4.19	7.29	8.65
1-Pentene	0.99	ND	0.76	0.37	1.12	ND	0.37
2-Methyl-1-butene	0.54	0.20	U	0.22	U	0.26	0.24
n-Pentane	5.58	22.07	22.34	30.34	30.10	3.69	3.47
Isoprene	0.96	0.31	1.20	0.35	1.26	0.22	0.48
trans-2-Pentene	1.25	0.17	0.77	0.16	0.86	0.22	0.57
cis-2-Pentene	1.25	0.22	1.03	0.22	1.02	0.21	0.28
2-Methyl-2-butene	0.73	0.20	U	0.19	U	0.17	U
2,2-Dimethylbutane	1.98	0.27	1.36	0.27	1.47	0.33	0.59
Cyclopentene	ND	ND	ND	ND	ND	ND	0.21
4-Methyl-1-pentene	ND	ND	0.20	U	ND	ND	ND
Cyclopentane	1.25	0.24	0.75	0.34	0.91	0.35	0.54
2,3-Dimethylbutane	2.53	0.64	1.90	0.56	1.85	0.60	0.81
2-Methylpentane	3.27	1.52	1.99	0.93	1.46	1.80	2.79
3-Methylpentane	3.12	1.53	2.89	0.78	1.88	1.09	2.72
2-Methyl-1-pentene	ND	ND	ND	ND	ND	0.15	U
1-Hexene	1.54	0.33	2.04	0.41	1.72	0.33	0.22
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	2.71	0.71	1.77	1.14	1.89	2.17	2.40
trans-2-Hexene	ND	ND	ND	ND	ND	0.15	U
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	2.04	0.65	1.17	0.58	1.24	0.88	1.47
2,4-Dimethylpentane	1.79	0.24	1.27	0.22	1.32	0.31	0.66
Benzene	3.64	1.81	2.27	1.71	2.22	2.23	3.64
Cyclohexane	2.44	4.99	2.59	0.46	1.51	0.90	0.64
2-Methylhexane	0.71	0.24	2.30	1.19	1.77	0.91	2.30
2,3-Dimethylpentane	1.99	0.28	U	1.80	1.86	0.53	1.25
3-Methylhexane	1.48	1.14	1.64	0.54	1.32	0.82	1.21
1-Heptene	ND	0.22	U	0.20	U	0.15	U
2,2,4-Trimethylpentane	2.64	0.55	1.34	0.73	1.45	0.94	1.81
n-Heptane	1.62	0.62	1.20	0.65	1.20	0.80	1.12
Methylcyclohexane	1.42	0.27	1.15	0.32	1.13	0.43	0.59
2,2,3-Trimethylpentane	ND	0.28	ND	0.34	0.19	U	0.34
2,3,4-Trimethylpentane	1.54	0.39	0.94	0.40	1.02	0.44	0.71
Toluene	7.79	2.86	3.77	3.11	3.93	5.84	9.04
2-Methylheptane	1.31	0.27	0.84	0.27	0.94	0.24	U
3-Methylheptane	1.33	0.39	0.86	0.22	0.99	0.27	0.34
1-Octene	ND	ND	ND	0.45	0.24	0.71	ND
n-Octane	1.24	0.52	1.20	0.53	1.24	0.37	0.51
Ethylbenzene	7.62	1.90	0.31	2.05	0.28	1.34	2.32
m-Xylene/p-Xylene	11.00	3.21	3.84	3.91	6.05	8.06	8.47
Styrene	0.56	0.18	0.90	0.42	1.08	0.76	0.93
o-Xylene	2.33	0.59	1.63	0.71	1.91	2.23	2.13
1-Nonene	ND	0.35	0.36	0.40	0.35	0.43	ND
n-Nonane	1.37	0.50	1.00	0.44	0.96	0.47	0.45
Isopropylbenzene	1.16	ND	1.00	0.13	U	1.15	0.22
a-Pinene	0.98	ND	ND	ND	ND	0.21	U
n-Propylbenzene	1.06	0.27	U	0.80	0.35	1.09	0.32
m-Ethyltoluene	1.82	0.49	0.92	0.60	1.07	1.09	0.94
p-Ethyltoluene	1.54	0.24	U	0.89	0.27	U	0.97
1,3,5-Trimethylbenzene	1.02	0.21	0.59	0.22	0.64	0.34	0.37
o-Ethyltoluene	0.80	0.22	U	0.70	0.21	U	0.71
b-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	2.28	0.66	1.10	0.67	1.31	1.33	1.14
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	1.10	0.36	0.69	0.60	1.07	1.69	0.39
1,2,3-Trimethylbenzene	0.74	0.16	0.41	0.12	U	0.55	0.44
m-Diethylbenzene	1.06	ND	0.47	0.20	U	0.63	0.23
p-Diethylbenzene	1.30	0.35	0.55	0.53	0.87	1.07	0.71
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	1.15	0.47	0.66	1.66	1.79	4.72	1.06
1-Dodecene	ND	ND	ND	ND	ND	0.14	U
n-Dodecane	1.18	0.17	U	0.21	U	0.31	U
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	ND	ND	ND	ND
TNMOC (speciated)	181.16	84.61	120.43	91.50	129.92	99.73	125.78
TNMOC (w/ unknowns)	263.70	213.14	224.65	160.66	184.40	223.06	307.39

NR Not reported due to a large interfering non-target peak.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Davenport, Iowa (DAIA) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	DAIA 31316
Sampling Date:	12/22/2002
Analysis Date:	1/13/2003
Filename:	L3AM011
Ethylene	1.57
Acetylene	1.38
Ethane	7.02
Propylene	0.63
Propane	5.89
Propyne	ND
Isobutane	1.58
Isobutene/1-Butene	0.67
1,3-Butadiene	ND
n-Butane	3.51
trans-2-Butene	ND
cis-2-Butene	ND
3-Methyl-1-butene	ND
Isopentane	4.20
1-Pentene	ND
2-Methyl-1-butene	ND
n-Pentane	2.13
Isoprene	0.41
trans-2-Pentene	ND
cis-2-Pentene	ND
2-Methyl-2-butene	ND
2,2-Dimethylbutane	ND
Cyclopentene	ND
4-Methyl-1-pentene	ND
Cyclopentane	0.47
2,3-Dimethylbutane	0.24
2-Methylpentane	0.67
3-Methylpentane	1.23
2-Methyl-1-pentene	ND
1-Hexene	ND
2-Ethyl-1-butene	ND
n-Hexane	0.93
trans-2-Hexene	ND
cis-2-Hexene	ND
Methylcyclopentane	0.38
2,4-Dimethylpentane	ND
Benzene	1.35
Cyclohexane	0.54
2-Methylhexane	ND
2,3-Dimethylpentane	ND
3-Methylhexane	ND
1-Heptene	ND
2,2,4-Trimethylpentane	0.37
n-Heptane	0.39
Methylcyclohexane	0.25
2,2,3-Trimethylpentane	ND
2,3,4-Trimethylpentane	ND
Toluene	2.44
2-Methylheptane	ND
3-Methylheptane	ND
1-Octene	ND
n-Octane	0.23
Ethylbenzene	0.97
m-Xylene/p-Xylene	4.14
Styrene	0.51
o-Xylene	1.40
1-Nonene	ND
n-Nonane	0.24
Isopropylbenzene	ND
a-Pinene	ND
n-Propylbenzene	ND
m-Ethyltoluene	0.33
p-Ethyltoluene	ND
1,3,5-Trimethylbenzene	ND
o-Ethyltoluene	ND
b-Pinene	ND
1,2,4-Trimethylbenzene	0.20
1-Decene	ND
n-Decane	0.27
1,2,3-Trimethylbenzene	ND
m-Diethylbenzene	ND
p-Diethylbenzene	ND
1-Undecene	ND
n-Undecane	0.31
1-Dodecene	0.19
n-Dodecane	ND
1-Tridecene	ND
n-Tridecane	ND
TNMOC (speciated)	47.02
TNMOC (w/ unknowns)	119.82

NR Not reported due to a large interfering non-target peak.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Davenport, Iowa (DAIA) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ppbV)

Sample No.:	DAIA 25103	DAIA 25248	DAIA 25528	DAIA 25820	DAIA 26049 D1	DAIA 26049 R1	DAIA 26051 D2
Sampling Date:	1/8/2002	1/20/2002	2/1/2002	2/13/2002	2/25/2002	2/25/2002	2/25/2002
Analysis Date:	1/25/2002	1/29/2002	2/27/2002	3/1/2002	3/6/2002	3/6/2002	3/6/2002
Filename:	L2AY009	L2A#006	L2BZ019	L2B1014	L2CE021	L2CF008	L2CE022
Ethylene	1.61	1.62	1.49	1.33	0.98	0.93	0.94
Acetylene	1.04	1.12	1.26	1.15	0.97	0.98	0.99
Ethane	6.81	4.69	3.57	4.42	3.19	3.19	3.19
Propylene	0.52	0.47	0.46	0.43	0.34	0.32	0.28
Propane	3.60	2.34	2.20	2.45	1.71	1.73	1.70
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.79	0.53	0.40	0.47	0.34	0.35	0.35
Isobutene/1-Butene	0.32	0.36	0.41	0.38	0.28	0.26	0.25
1,3-Butadiene	ND	0.05	0.06	0.04	ND	ND	ND
n-Butane	2.06	1.43	1.20	1.48	1.09	1.09	1.08
trans-2-Butene	0.08	0.07	0.09	0.09	0.08	0.08	0.08
cis-2-Butene	0.10	0.10	0.12	0.12	0.11	0.09	0.11
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	1.01	0.75	0.62	0.68	0.56	0.55	0.54
1-Pentene	0.06	0.08	0.07	0.09	0.07	0.06	0.05
2-Methyl-1-butene	0.06	0.06	0.07	0.07	0.04	0.04	0.04
n-Pentane	0.68	0.41	0.37	0.41	0.30	0.30	0.31
Isoprene	0.09	0.06	0.09	0.11	0.06	0.06	0.09
trans-2-Pentene	0.06	0.06	0.06	0.08	0.07	0.08	0.07
cis-2-Pentene	0.07	0.06	0.08	0.08	0.08	0.08	0.08
2-Methyl-2-butene	0.05	0.08	0.07	0.08	0.05	0.04	0.04
2,2-Dimethylbutane	0.10	0.11	0.09	0.11	0.11	0.09	0.11
Cyclopentene	ND	ND	0.03	0.04	ND	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.09	0.10	0.07	0.10	0.08	0.06	0.08
2,3-Dimethylbutane	0.12	0.11	0.12	0.12	0.12	0.11	0.12
2-Methylpentane	0.28	0.42	0.39	0.31	0.26	0.23	0.22
3-Methylpentane	0.23	0.18	0.16	0.18	0.14	0.14	0.13
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.09	0.09	0.10	0.10	0.11	0.11	0.08
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.29	0.21	0.19	0.24	0.16	0.15	0.17
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.17	0.11	0.13	0.11	0.12	0.09	0.10
2,4-Dimethylpentane	0.07	0.08	0.08	0.08	0.08	0.07	0.07
Benzene	0.32	0.37	0.45	0.38	0.30	0.30	0.31
Cyclohexane	0.11	0.09	0.09	0.10	0.10	0.09	0.09
2-Methylhexane	0.17	0.22	0.19	0.16	0.14	0.15	0.12
2,3-Dimethylpentane	0.14	0.12	0.13	0.13	0.13	0.13	0.13
3-Methylhexane	0.12	0.50	0.10	0.09	0.07	0.08	0.08
1-Heptene	ND	0.02	0.03	ND	0.02	ND	ND
2,2,4-Trimethylpentane	0.13	0.11	0.14	0.12	0.10	0.10	0.11
n-Heptane	0.10	0.07	0.08	0.08	0.07	0.06	0.06
Methylcyclohexane	0.09	0.12	0.08	0.09	0.08	0.07	0.07
2,2,3-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND
2,3,4-Trimethylpentane	0.04	0.04	0.05	0.04	0.04	0.05	0.05
Toluene	0.34	0.36	0.32	0.34	0.25	0.25	0.25
2-Methylheptane	0.03	0.03	0.03	0.03	0.03	0.03	0.03
3-Methylheptane	0.04	0.03	0.04	0.03	0.03	0.03	0.03
1-Octene	ND	ND	ND	ND	ND	ND	ND
n-Octane	0.06	0.05	0.04	0.04	0.04	0.04	0.04
Ethylbenzene	0.05	0.05	0.06	0.07	0.05	0.04	0.05
m-Xylene/p-Xylene	0.15	0.14	0.11	0.13	0.09	0.03	0.09
Styrene	ND	0.24	0.05	0.02	0.03	0.03	0.03
o-Xylene	0.06	0.07	0.05	0.05	0.04	0.04	0.04
1-Nonene	ND	ND	ND	ND	ND	ND	ND
n-Nonane	0.04	0.03	0.03	0.03	0.04	0.04	0.03
Isopropylbenzene	0.04	0.03	0.03	0.03	0.03	0.03	0.03
a-Pinene	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.04	0.05	0.04	0.04	ND	0.02	0.02
m-Ethyltoluene	0.10	0.09	0.09	0.09	0.08	0.07	0.10
p-Ethyltoluene	0.04	0.04	0.05	0.04	0.03	0.03	0.03
1,3,5-Trimethylbenzene	0.04	0.02	0.02	0.02	0.02	ND	ND
o-Ethyltoluene	0.04	0.03	0.03	0.03	0.04	0.03	0.03
b-Pinene	0.02	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.06	0.08	0.07	0.07	0.07	0.05	0.04
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.02	0.04	0.06	0.07	0.09	0.08	0.05
1,2,3-Trimethylbenzene	0.04	0.10	0.10	0.10	0.03	0.04	0.02
m-Diethylbenzene	0.07	0.02	0.19	0.07	0.04	0.05	0.12
p-Diethylbenzene	0.06	0.04	0.08	0.06	0.04	0.03	0.05
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.09	0.16	0.22	0.23	0.24	0.23	0.25
1-Dodecene	ND	ND	ND	ND	ND	ND	ND
n-Dodecane	ND	0.06	0.07	0.06	0.09	0.08	0.17
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	0.02	0.01	0.02	0.02	0.04
TNMOC (speciated) in ppbv	23.07	19.22	17.19	18.21	13.96	13.60	13.79
TNMOC (w/ unknowns) in ppbC	111.72	168.23	178.21	131.48	100.09	92.43	99.22

NR Not reported due to a large interfering non-target peak.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Davenport, Iowa (DAIA) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ppbV)

Sample No.:	DAIA 26051 R2		DAIA 26226		DAIA 26442		DAIA 26638		DAIA 26856		DAIA 27101		DAIA 27450	
Sampling Date:	2/25/2002		3/9/2002		3/21/2002		4/2/2002		4/14/2002		4/26/2002		5/8/2002	
Analysis Date:	3/6/2002		3/13/2002		4/5/2002		4/11/2002		4/26/2002		5/3/2002		5/14/2002	
Filename:	L2CF009		L2CM007		L2DE006		L2DK005		L2DZ007		L2EC006		L2EN006	
Ethylene	0.95		0.78		1.95		1.90		1.21		1.71		1.06	
Acetylene	0.96		0.78		0.74		0.93		0.78		0.77		0.75	
Ethane	3.22		3.45		3.05		3.51		4.21		2.91		2.40	
Propylene	0.27		0.34		0.72		0.47		0.42		0.53		0.39	
Propane	1.73		1.91		1.59		1.74		2.19		1.44		1.20	
Propyne	ND		ND		ND		ND		ND		ND		ND	
Isobutane	0.34		0.35		0.29		0.48		0.42		0.32		0.33	
Isobutene/1-Butene	0.25		0.33		0.46		0.29		0.31		0.53		0.32	
1,3-Butadiene	ND		ND		ND		0.04	U	0.04	U	ND		ND	
n-Butane	1.09		0.84		0.74		1.06		1.30		0.74		0.91	
trans-2-Butene	0.08		0.08		0.09		0.08		0.08		0.10		0.08	
cis-2-Butene	0.10		0.09		0.11		0.11		0.11		0.13		0.11	
3-Methyl-1-butene	ND		ND		ND		ND		ND		ND		ND	
Isopentane	0.53		0.42		2.79		0.63		0.98		0.70		0.96	
1-Pentene	0.06		0.06		0.10		0.06		0.08		0.09		0.08	
2-Methyl-1-butene	0.03	U	0.06		0.06		0.06		0.09		0.10		0.07	
n-Pentane	0.31		0.29		0.20		0.31		0.43		0.44		0.44	
Isoprene	0.09		0.04		0.06		0.07		0.05		0.05		0.05	
trans-2-Pentene	0.06		0.06		0.06		0.07		0.09		0.07		0.09	
cis-2-Pentene	0.07		0.07		0.07		0.07		0.08		0.08		0.08	
2-Methyl-2-butene	0.04	U	0.04	U	0.11		0.04	U	ND		0.08		0.08	
2,2-Dimethylbutane	0.11		0.10		0.10		0.10		0.13		0.10		0.10	
Cyclopentene	ND		ND		ND		ND		0.05		ND		ND	
4-Methyl-1-pentene	ND		ND		ND		ND		ND		ND		ND	
Cyclopentane	0.08		0.06		0.08		0.07		0.08		0.08		0.08	
2,3-Dimethylbutane	0.11		0.09		0.09		0.11		0.12		0.11		0.12	
2-Methylpentane	0.22		0.30		0.60		0.23		0.42		0.56		0.28	
3-Methylpentane	0.14		0.12		0.11		0.18		0.24		0.17		0.26	
2-Methyl-1-pentene	ND		ND		ND		ND		ND		ND		ND	
1-Hexene	0.09		0.10		0.12		0.10		0.09		0.12		0.10	
2-Ethyl-1-butene	ND		ND		ND		ND		ND		ND		ND	
n-Hexane	0.16		0.13		0.12		0.18		0.24		0.17		0.23	
trans-2-Hexene	ND		ND		ND		ND		ND		ND		ND	
cis-2-Hexene	ND		ND		ND		ND		ND		ND		ND	
Methylcyclopentane	0.10		0.09		0.30		0.10		0.14		0.11		0.13	
2,4-Dimethylpentane	0.08		0.06		0.08		0.07		0.09		0.08		0.08	
Benzene	0.32		0.33		0.35		0.30		0.41		0.36		0.32	
Cyclohexane	0.09		0.10		0.08		0.08		0.09		0.09		0.09	
2-Methylhexane	0.12		0.15		0.49		0.16		0.17		0.25		0.16	
2,3-Dimethylpentane	0.11		0.10		0.15		0.15		0.14		0.17		0.14	
3-Methylhexane	0.08		0.05		ND		0.10		0.11		0.12		0.17	
1-Heptene	ND		ND		0.04		0.03	U	0.02	U	0.02	U	ND	
2,2,4-Trimethylpentane	0.10		0.06		0.10		0.11		0.15		0.13		0.15	
n-Heptane	0.06		0.06		0.06		0.07		0.10		0.08		0.08	
Methylcyclohexane	0.06		0.07		0.07		0.07		0.08		0.10		0.07	
2,2,3-Trimethylpentane	ND		ND		0.04		ND		ND		ND		ND	
2,3,4-Trimethylpentane	0.05		0.04		0.06		0.04		0.06		0.05		0.06	
Toluene	0.26		0.20		0.17		0.27		0.66		0.42		0.53	
2-Methylheptane	0.03	U	0.03	U	0.02	U	0.03		0.04		0.04		0.04	
3-Methylheptane	0.03		0.03		0.03		0.03		0.05		0.04		0.04	
1-Octene	ND		ND		0.03		ND		0.02	U	ND		ND	
n-Octane	0.04		0.04		0.04		0.03		0.06		0.06		0.06	
Ethylbenzene	0.04		0.04		0.03		0.05		0.09		0.07		0.09	
m-Xylene/p-Xylene	0.09		0.08		0.06		0.09		0.26		0.16		0.24	
Styrene	ND		0.08		0.22		0.06		0.08		0.09		0.07	
o-Xylene	0.05		0.04		0.04		0.05		0.11		0.07		0.10	
1-Nonene	ND		0.07		ND		ND		ND		ND		ND	
n-Nonane	0.03		0.03		0.02		0.03		0.04		0.05		0.05	
Isopropylbenzene	0.02	U	0.03	U	0.03	U	0.02	U	0.03	U	0.05		0.04	
a-Pinene	ND		0.05		ND		ND		ND		ND		ND	
n-Propylbenzene	0.02	U	ND		0.03	U	0.04		0.06		0.07		0.07	
m-Ethyltoluene	0.09		0.11		0.04		0.08		0.16		0.17		0.21	
p-Ethyltoluene	0.03	U	0.04		0.02	U	0.03	U	0.07		0.06		0.09	
1,3,5-Trimethylbenzene	ND		0.03		0.02	U	0.02	U	0.04		0.03		0.08	
o-Ethyltoluene	0.03	U	0.04		ND		0.03		0.06		0.05		0.10	
b-Pinene	ND		ND		ND		ND		0.04		ND		ND	
1,2,4-Trimethylbenzene	0.02		0.09		0.04		0.07		0.15		0.10		0.31	
1-Decene	ND		ND		ND		ND		ND		ND		ND	
n-Decane	0.05		0.07		0.03		0.03		0.07		0.10		0.08	
1,2,3-Trimethylbenzene	0.04		0.15		0.08		0.07		0.10		0.11		0.19	
m-Diethylbenzene	0.08		ND		ND		0.09		0.19		0.15		0.11	
p-Diethylbenzene	0.04		0.13		ND		0.06		0.08		0.11		0.07	
1-Undecene	ND		ND		0.03		0.04		ND		ND		ND	
n-Undecane	0.24		0.27		0.04		0.21		0.18		0.21		0.26	
1-Dodecene	ND		ND		ND		ND		ND		ND		ND	
n-Dodecane	0.14		0.10		0.07		0.06	U	0.05	U	0.03	U	0.07	
1-Tridecene	ND		ND		ND		ND		ND		ND		ND	
n-Tridecane	0.03	U	0.05	U	0.02	U	0.02	U	0.02	U	ND		0.02	U
TNMOC (speciated) in ppbv	13.63		13.79		17.35		15.68		18.50		15.88		14.95	
TNMOC (w/ unknowns) in ppbC	102.20		201.95		247.40		147.08		213.67		215.17		164.35	

NR Not reported due to a large interfering non-target peak.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

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(Reported in ppbV)

Sample No.:	DAIA 27670	DAIA 27829	DAIA 28124	DAIA 28386 D1	DAIA 28388 D2	DAIA 28605	DAIA 28808
Sampling Date:	5/20/2002	6/1/2002	6/13/2002	6/25/2002	6/25/2002	7/7/2002	7/19/2002
Analysis Date:	5/24/2002	7/1/2002	7/13/2002				8/12/2002
Filename:	L2EW019	L2GA004	L2GL017	VOID	VOID	VOID	L2HL006
Ethylene	1.61	2.54	1.42				2.86
Acetylene	0.98	1.09	0.55				0.94
Ethane	3.23	3.51	2.15				4.84
Propylene	0.48	0.97	0.50				1.20
Propane	1.10	2.21	1.21				2.92
Propyne	ND	ND	ND				ND
Isobutane	0.33	0.47	0.38				0.75
Isobutene/1-Butene	0.40	0.52	0.38				0.74
1,3-Butadiene	0.06	U	0.09	ND			ND
n-Butane	0.78	1.38	0.92				1.46
trans-2-Butene	0.10	0.11	0.15				0.32
cis-2-Butene	0.14	0.17	0.19				0.60
3-Methyl-1-butene	ND	0.04	U	ND			ND
Isopentane	1.17	2.03	1.19				NR
1-Pentene	0.10	0.13	0.13				NR
2-Methyl-1-butene	0.09	0.18	0.09				NR
n-Pentane	0.56	0.93	0.53				1.09
Isoprene	0.07	0.68	0.24				0.74
trans-2-Pentene	0.10	0.16	0.13				0.32
cis-2-Pentene	0.09	0.13	0.15				0.52
2-Methyl-2-butene	0.09	0.20	0.08				ND
2,2-Dimethylbutane	0.12	0.19	0.20				0.62
Cyclopentene	ND	ND	0.06				ND
4-Methyl-1-pentene	ND	0.19	ND				ND
Cyclopentane	0.08	0.14	0.15				0.51
2,3-Dimethylbutane	0.15	0.21	0.23				0.76
2-Methylpentane	0.35	0.96	0.35				0.98
3-Methylpentane	0.27	0.40	0.30				3.73
2-Methyl-1-pentene	ND	0.03	U	ND			ND
1-Hexene	0.10	0.11	0.18				0.63
2-Ethyl-1-butene	ND	ND	ND				ND
n-Hexane	0.22	0.42	0.31				103.77
trans-2-Hexene	ND	ND	ND				ND
cis-2-Hexene	ND	ND	ND				ND
Methylcyclopentane	0.14	0.27	0.16				35.48
2,4-Dimethylpentane	0.09	0.14	0.15				0.43
Benzene	0.37	0.53	0.35				0.70
Cyclohexane	0.09	0.15	0.16				0.57
2-Methylhexane	0.17	0.39	0.18				0.55
2,3-Dimethylpentane	0.16	0.25	0.20				0.63
3-Methylhexane	0.22	0.24	0.29				0.36
1-Heptene	0.03	U	ND	ND			ND
2,2,4-Trimethylpentane	0.18	0.43	0.17				0.34
n-Heptane	0.10	0.26	0.12				0.29
Methylcyclohexane	0.07	0.27	0.11				0.37
2,2,3-Trimethylpentane	ND	0.08	ND				ND
2,3,4-Trimethylpentane	0.06	0.11	0.09				0.25
Toluene	0.60	1.38	0.46				0.84
2-Methylheptane	0.04	0.14	0.06				0.18
3-Methylheptane	0.05	0.17	0.06				0.19
1-Octene	0.02	U	ND	ND			ND
n-Octane	0.06	0.35	0.07				0.20
Ethylbenzene	0.09	0.15	0.12				0.16
m-Xylene/p-Xylene	0.22	0.43	0.16				0.30
Styrene	0.06	0.26	0.19				ND
o-Xylene	0.08	0.18	0.08				0.13
1-Nonene	ND	ND	ND				ND
n-Nonane	0.05	0.10	0.04				0.09
Isopropylbenzene	0.03	U	0.13	0.05			0.09
a-Pinene	ND	0.08	0.06				ND
n-Propylbenzene	0.05	0.08	0.03				ND
m-Ethyltoluene	0.12	0.21	0.09				ND
p-Ethyltoluene	0.05	0.11	0.07				0.11
1,3,5-Trimethylbenzene	0.03	0.07	ND				ND
o-Ethyltoluene	0.05	0.10	0.06				ND
b-Pinene	ND	ND	ND				0.09
1,2,4-Trimethylbenzene	0.11	0.24	0.10				0.12
1-Decene	ND	ND	ND				ND
n-Decane	0.05	0.10	0.09				ND
1,2,3-Trimethylbenzene	0.08	0.19	0.24				ND
m-Diethylbenzene	0.07	0.21	0.15				ND
p-Diethylbenzene	0.07	0.10	0.08				ND
1-Undecene	ND	0.06	0.07				ND
n-Undecane	0.34	0.22	0.38				0.20
1-Dodecene	ND	ND	ND				ND
n-Dodecane	0.05	U	0.03	U	0.19		0.06
1-Tridecene	ND	ND	0.12				ND
n-Tridecane	ND	0.01	U	0.14			ND
TNMOC (speciated) in ppbv	16.80	28.39	17.33				173.04
TNMOC (w/ unknowns) in ppbC	161.33	373.43	146.74				1017.78

NR Not reported due to a large interfering non-target peak.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

Davenport, Iowa (DAIA) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ppbV)

Sample No.:	DAIA 28934 D1	DAIA 28936 D2	DAIA 29046	DAIA 29161	DAIA 29311	DAIA 29475	DAIA 29740
Sampling Date:	7/25/2002	7/25/2002	7/31/2002	8/6/2002	8/12/2002	8/24/2002	9/5/2002
Analysis Date:	8/14/2002	8/14/2002	8/31/2002	9/1/2002	9/4/2002		
Filename:	L2HM020	L2HM021	L2H%007	L2H%021	L2ID009	VOID	VOID
Ethylene	0.74	0.84	2.70	2.36	1.37		
Acetylene	0.30	0.34	0.66	0.51	0.74		
Ethane	1.26	1.33	2.85	1.72	2.63		
Propylene	0.30	0.35	1.41	1.07	0.61		
Propane	0.81	0.85	1.57	1.00	1.62		
Propyne	ND	ND	ND	ND	ND		
Isobutane	0.20	0.21	0.46	0.29	0.34		
Isobutene/1-Butene	0.24	0.29	1.69	1.20	0.47		
1,3-Butadiene	ND	ND	0.05	ND	ND		
n-Butane	0.38	0.40	1.08	0.56	1.26		
trans-2-Butene	0.10	0.11	0.15	0.19	0.11		
cis-2-Butene	0.12	0.13	0.19	0.22	0.18		
3-Methyl-1-butene	ND	ND	ND	ND	ND		
Isopentane	NR	NR	NR	NR	NR		
1-Pentene	NR	NR	NR	NR	0.13		
2-Methyl-1-butene	NR	NR	NR	NR	0.09		
n-Pentane	0.26	0.32	0.55	0.55	0.63		
Isoprene	0.22	0.18	0.61	0.37	0.67		
trans-2-Pentene	0.08	0.09	0.15	0.17	0.14		
cis-2-Pentene	0.10	0.10	0.14	0.19	0.14		
2-Methyl-2-butene	0.04	U	ND	0.13	0.10		
2,2-Dimethylbutane	0.15	0.14	0.18	0.18	0.20		
Cyclopentene	ND	ND	ND	ND	ND		
4-Methyl-1-pentene	ND	ND	ND	ND	ND		
Cyclopentane	0.09	0.09	0.15	0.19	0.14		
2,3-Dimethylbutane	0.15	0.15	0.17	0.22	0.19		
2-Methylpentane	0.25	0.29	0.86	0.85	0.51		
3-Methylpentane	0.34	0.35	1.01	0.55	0.50		
2-Methyl-1-pentene	ND	ND	ND	ND	ND		
1-Hexene	ND	0.12	0.17	0.22	0.14		
2-Ethyl-1-butene	ND	ND	ND	ND	ND		
n-Hexane	5.98	6.45	18.63	10.14	7.56		
trans-2-Hexene	ND	ND	ND	ND	ND		
cis-2-Hexene	ND	ND	ND	ND	ND		
Methylcyclopentane	2.16	2.31	6.70	3.93	2.84		
2,4-Dimethylpentane	0.09	0.09	0.10	0.17	0.12		
Benzene	0.17	0.16	0.33	0.30	0.43		
Cyclohexane	0.12	0.12	0.15	0.17	0.14		
2-Methylhexane	0.12	0.16	0.74	0.59	0.20		
2,3-Dimethylpentane	0.12	0.14	0.16	0.24	0.17		
3-Methylhexane	0.10	0.08	0.23	ND	0.12		
1-Heptene	ND	ND	0.04	ND	ND		
2,2,4-Trimethylpentane	0.08	0.10	0.18	0.19	0.17		
n-Heptane	0.06	0.06	0.09	0.09	0.10		
Methylcyclohexane	0.08	0.09	0.08	0.14	0.12		
2,2,3-Trimethylpentane	ND	ND	0.04	ND	ND		
2,3,4-Trimethylpentane	0.05	0.06	0.11	0.11	0.07		
Toluene	0.24	0.23	0.60	0.38	0.52		
2-Methylheptane	0.04	0.03	U	0.05	0.06		
3-Methylheptane	0.04	0.04	0.05	0.06	0.04		
1-Octene	0.02	U	ND	0.07	ND		
n-Octane	0.05	0.05	0.07	0.08	0.06		
Ethylbenzene	0.05	0.04	0.09	0.06	0.08		
m-Xylene/p-Xylene	0.09	0.09	0.16	0.12	0.18		
Styrene	0.04	0.10	0.56	0.44	0.08		
o-Xylene	0.04	0.04	0.07	0.06	0.09		
1-Nonene	ND	ND	0.07	ND	ND		
n-Nonane	0.03	0.03	0.03	0.03	0.04		
Isopropylbenzene	0.03	U	0.04	0.02	0.03		
a-Pinene	ND	0.03	U	0.40	0.24		
n-Propylbenzene	0.02	U	0.02	0.04	0.04		
m-Ethyltoluene	0.04	0.03	0.03	ND	0.08		
p-Ethyltoluene	0.04	0.03	U	0.03	0.04		
1,3,5-Trimethylbenzene	0.02	U	0.02	U	ND		
o-Ethyltoluene	0.02	U	0.02	U	0.04		
b-Pinene	0.03	U	0.06	ND	0.21		
1,2,4-Trimethylbenzene	0.07	0.03	0.06	0.04	0.08		
1-Decene	ND	ND	ND	ND	ND		
n-Decane	0.03	0.03	0.03	0.05	0.16		
1,2,3-Trimethylbenzene	0.04	0.05	ND	0.07	0.07		
m-Diethylbenzene	0.07	0.07	ND	0.23	0.19		
p-Diethylbenzene	ND	ND	0.06	0.04	0.06		
1-Undecene	ND	ND	0.03	U	0.03		
n-Undecane	0.07	0.05	0.12	0.11	0.15		
1-Dodecene	ND	ND	ND	ND	0.03	U	
n-Dodecane	0.04	U	0.03	U	0.03	U	
1-Tridecene	ND	ND	ND	ND	ND		
n-Tridecane	ND	ND	ND	ND	ND		
TNMOC (speciated) in ppbv	16.43	17.67	47.11	31.21	27.30		
TNMOC (w/ unknowns) in ppbC	116.74	129.94	491.55	271.33	230.61		

NR Not reported due to a large interfering non-target peak.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

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(Reported in ppbV)

Sample No.:	DAIA 30538	DAIA 30719 D1	DAIA 30719 R1	DAIA 30722 D2	DAIA 30722 R2	DAIA 30905	DAIA 31087
Sampling Date:	11/4/2002	11/16/2002	11/16/2002	11/16/2002	11/16/2002	11/28/2002	12/10/2002
Analysis Date:	12/4/2002	12/16/2002	12/16/2002	12/16/2002	12/16/2002	12/19/2002	1/8/2003
Filename:	L2LC020	N2LO020	N2LP009	N2LO021	N2LP010	N2LR020	L3AG021
Ethylene	3.97 #	1.84	2.14	1.67	1.97	1.76	3.53
Acetylene	2.29	0.78	1.16	0.71	1.24	1.46	2.58
Ethane	7.40	2.74	3.02	2.88	3.05	4.68	6.60
Propylene	1.23	0.20	0.51	0.24	0.47	0.61	1.04
Propane	5.36	1.72	2.03	1.91	2.16	2.80	3.03
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	1.18	0.69	0.84	0.79	0.95	0.67	0.72
Isobutene/1-Butene	0.62	0.62	0.89	0.23	0.43	0.25	0.43
1,3-Butadiene	ND	0.03	U	0.03	U	0.03	U
n-Butane	3.13	1.03	1.29	1.23	1.37	1.48	2.46
trans-2-Butene	0.25	0.04	U	0.18	0.03	U	0.05
cis-2-Butene	0.36	0.03	U	0.24	0.03	U	ND
3-Methyl-1-butene	ND	ND	ND	ND	ND	0.02	U
Isopentane	2.25	0.79	1.08	0.58	0.84	1.46	1.73
1-Pentene	0.20	ND	0.15	0.07	0.22	ND	0.07
2-Methyl-1-butene	0.11	0.04	U	0.04	U	0.05	0.10
n-Pentane	1.12	4.41	4.47	6.07	6.02	0.74	0.69
Isoprene	0.19	0.06	0.24	0.07	0.25	0.04	0.10
trans-2-Pentene	0.25	0.03	0.15	0.03	0.17	0.04	0.11
cis-2-Pentene	0.25	0.04	0.21	0.04	0.20	0.04	0.06
2-Methyl-2-butene	0.15	0.04	U	0.04	U	0.03	U
2,2-Dimethylbutane	0.33	0.04	0.23	0.04	0.24	0.06	0.10
Cyclopentene	ND	ND	ND	ND	ND	ND	0.04
4-Methyl-1-pentene	ND	ND	0.03	U	ND	ND	ND
Cyclopentane	0.25	0.05	0.15	0.07	0.18	0.07	0.11
2,3-Dimethylbutane	0.42	0.11	0.32	0.09	0.31	0.10	0.13
2-Methylpentane	0.55	0.25	0.33	0.16	0.24	0.30	0.46
3-Methylpentane	0.52	0.25	0.48	0.13	0.31	0.18	0.45
2-Methyl-1-pentene	ND	ND	ND	ND	ND	0.02	U
1-Hexene	0.26	0.05	0.34	0.07	0.29	0.06	0.04
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.45	0.12	0.30	0.19	0.32	0.36	0.40
trans-2-Hexene	ND	ND	ND	ND	ND	0.02	U
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.34	0.11	0.20	0.10	0.21	0.15	0.24
2,4-Dimethylpentane	0.26	0.03	0.18	0.03	0.19	0.04	0.09
Benzene	0.61	0.30	0.38	0.28	0.37	0.37	0.61
Cyclohexane	0.41	0.83	0.43	0.08	0.25	0.15	0.11
2-Methylhexane	0.10	0.03	0.33	0.17	0.25	0.13	0.33
2,3-Dimethylpentane	0.28	0.04	U	0.06	0.27	0.08	0.18
3-Methylhexane	0.21	0.16	0.23	0.08	0.19	0.12	0.17
1-Heptene	ND	0.03	U	0.03	U	0.02	U
2,2,4-Trimethylpentane	0.33	0.07	0.17	0.09	0.18	0.12	0.23
n-Heptane	0.23	0.09	0.17	0.09	0.17	0.11	0.16
Methylcyclohexane	0.20	0.04	0.16	0.05	0.16	0.06	0.08
2,2,3-Trimethylpentane	ND	0.04	ND	0.04	0.02	U	0.04
2,3,4-Trimethylpentane	0.19	0.05	0.12	0.05	0.13	0.05	0.09
Toluene	1.11	0.41	0.54	0.44	0.56	0.83	1.29
2-Methylheptane	0.16	0.03	0.10	0.03	0.12	0.03	U
3-Methylheptane	0.17	0.05	0.11	0.03	0.12	0.03	0.04
1-Octene	ND	ND	ND	0.06	0.03	0.09	ND
n-Octane	0.15	0.06	0.15	0.07	0.16	0.05	0.06
Ethylbenzene	0.95	0.24	0.04	0.26	0.04	0.17	0.29
m-Xylene/p-Xylene	1.37	0.40	0.48	0.49	0.76	1.01	1.06
Styrene	0.07	0.02	0.11	0.05	0.14	0.10	0.12
o-Xylene	0.29	0.07	0.20	0.09	0.24	0.28	0.27
1-Nonene	ND	0.04	0.04	0.04	0.04	0.05	ND
n-Nonane	0.15	0.06	0.11	0.05	0.11	0.05	0.05
Isopropylbenzene	0.13	ND	0.11	0.01	U	0.13	0.02
a-Pinene	0.10	ND	ND	ND	ND	0.02	U
n-Propylbenzene	0.12	0.03	U	0.09	0.04	0.12	0.04
m-Ethyltoluene	0.20	0.05	0.10	0.07	0.12	0.12	0.10
p-Ethyltoluene	0.17	0.03	U	0.10	0.03	U	0.11
1,3,5-Trimethylbenzene	0.11	0.02	0.07	0.02	0.07	0.04	0.04
o-Ethyltoluene	0.09	0.02	U	0.08	0.02	U	0.03
b-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.25	0.07	0.12	0.07	0.15	0.15	0.13
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.11	0.04	0.07	0.06	0.11	0.17	0.04
1,2,3-Trimethylbenzene	0.08	0.02	0.05	0.01	U	0.06	0.05
m-Diethylbenzene	0.11	ND	0.05	0.02	U	0.06	0.02
p-Diethylbenzene	0.13	0.04	0.06	0.05	0.09	0.11	ND
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.10	0.04	0.06	0.15	0.16	0.43	0.10
1-Dodecene	ND	ND	ND	ND	ND	0.01	U
n-Dodecane	0.10	0.01	U	0.02	U	0.03	U
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	ND	ND	ND	ND
TNMOC (speciated) in ppbv	42.46	19.60	26.38	20.77	27.79	22.99	31.64
TNMOC (w/ unknowns) in ppbC	263.6963535	213.1429506	224.6543086	160.6585802	184.3962222	223.0552469	307.3925637

NR Not reported due to a large interfering non-target peak.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

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(Reported in ppbV)

Sample No.:	DAIA 31316
Sampling Date:	12/22/2002
Analysis Date:	1/13/2003
Filename:	L3AM011

Ethylene	0.78	
Acetylene	0.69	
Ethane	3.51	
Propylene	0.21	
Propane	1.96	
Propyne	ND	
Isobutane	0.40	
Isobutene/1-Butene	0.17	
1,3-Butadiene	ND	
n-Butane	0.88	
trans-2-Butene	ND	
cis-2-Butene	ND	
3-Methyl-1-butene	ND	
Isopentane	0.84	
1-Pentene	ND	
2-Methyl-1-butene	ND	
n-Pentane	0.43	
Isoprene	0.08	
trans-2-Pentene	ND	
cis-2-Pentene	ND	
2-Methyl-2-butene	ND	
2,2-Dimethylbutane	ND	
Cyclopentene	ND	
4-Methyl-1-pentene	ND	
Cyclopentane	0.09	
2,3-Dimethylbutane	0.04	
2-Methylpentane	0.11	
3-Methylpentane	0.21	
2-Methyl-1-pentene	ND	
1-Hexene	ND	
2-Ethyl-1-butene	ND	
n-Hexane	0.16	
trans-2-Hexene	ND	
cis-2-Hexene	ND	
Methylcyclopentane	0.06	
2,4-Dimethylpentane	ND	
Benzene	0.22	
Cyclohexane	0.09	
2-Methylhexane	ND	
2,3-Dimethylpentane	ND	
3-Methylhexane	ND	
1-Heptene	ND	
2,2,4-Trimethylpentane	0.05	
n-Heptane	0.06	
Methylcyclohexane	0.04	
2,2,3-Trimethylpentane	ND	
2,3,4-Trimethylpentane	ND	
Toluene	0.35	
2-Methylheptane	ND	
3-Methylheptane	ND	
1-Octene	ND	
n-Octane	0.03	
Ethylbenzene	0.12	
m-Xylene/p-Xylene	0.52	
Styrene	0.06	
o-Xylene	0.17	
1-Nonene	ND	
n-Nonane	0.03	
Isopropylbenzene	ND	
a-Pinene	ND	
n-Propylbenzene	ND	
m-Ethyltoluene	0.04	
p-Ethyltoluene	ND	
1,3,5-Trimethylbenzene	ND	
o-Ethyltoluene	ND	
b-Pinene	ND	
1,2,4-Trimethylbenzene	0.02	
1-Decene	ND	
n-Decane	0.03	
1,2,3-Trimethylbenzene	ND	
m-Diethylbenzene	ND	
p-Diethylbenzene	ND	
1-Undecene	ND	
n-Undecane	0.03	U
1-Dodecene	0.02	U
n-Dodecane	ND	
1-Tridecene	ND	
n-Tridecane	ND	

TNMOC (speciated) in ppbv	12.47
TNMOC (w/ unknowns) in ppbC	119.8176997

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(Reported in ug/m³)

Sample No.:	DAIA 25103	DAIA 25248	DAIA 25528	DAIA 25820	DAIA 26049 D1	DAIA 26049 R1	DAIA 26051 D2					
Sampling Date:	1/8/2002	1/20/2002	2/1/2002	2/13/2002	2/25/2002	2/25/2002	2/25/2002					
Analysis Date:	1/25/2002	1/29/2002	2/27/2002	3/1/2002	3/6/2002	3/6/2002	3/6/2002					
Filename:	L2AY009	L2A#006	L2BZ019	L2B1014	L2CE021	L2CF008	L2CE022					
Ethylene	1.87	1.88	1.72	1.54	1.14	1.08	1.09					
Acetylene	1.12	1.21	1.35	1.23	1.04	1.05	1.06					
Ethane	8.45	5.82	4.43	5.48	3.96	3.96	3.96					
Propylene	0.89	0.82	0.80	0.74	0.59	0.56	0.48					
Propane	6.55	4.26	4.01	4.45	3.11	3.15	3.10					
Propyne	ND	ND	ND	ND	ND	ND	ND					
Isobutane	1.88	1.28	0.97	1.13	0.82	0.84	0.83					
Isobutene/1-Butene	0.73	0.83	0.94	0.88	0.65	0.59	0.59					
1,3-Butadiene	ND	0.10	U	0.14	U	ND	ND					
n-Butane	4.94	3.43	2.87	3.55	2.61	2.61	2.60					
trans-2-Butene	0.18	0.16	0.21	0.21	0.18	0.19	0.18					
cis-2-Butene	0.23	0.23	0.27	0.27	0.26	0.21	0.25					
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND					
Isopentane	3.00	2.24	1.85	2.03	1.67	1.62	1.61					
1-Pentene	0.18	0.23	0.21	0.25	0.21	0.18	0.14					
2-Methyl-1-butene	0.19	0.19	0.20	0.19	0.11	U	0.13	U	0.10	U		
n-Pentane	2.02	1.23	1.09	1.21	0.90	0.90	0.91					
Isoprene	0.26	0.17	0.24	0.32	0.17	0.17	0.25					
trans-2-Pentene	0.16	0.19	0.18	0.23	0.20	0.22	0.20					
cis-2-Pentene	0.21	0.19	0.25	0.23	0.24	0.24	0.23					
2-Methyl-2-butene	0.15	0.22	0.21	0.22	0.13	U	0.12	U	0.12	U		
2,2-Dimethylbutane	0.34	0.39	0.33	0.39	0.40	0.33	0.39					
Cyclopentene	ND	ND	0.09	U	0.11	U	ND	ND	ND			
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Cyclopentane	0.25	0.28	0.20	0.28	0.24	0.18	0.22					
2,3-Dimethylbutane	0.41	0.40	0.43	0.42	0.42	0.39	0.41					
2-Methylpentane	1.01	1.48	1.38	1.12	0.92	0.82	0.79					
3-Methylpentane	0.81	0.63	0.59	0.64	0.50	0.50	0.47					
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND					
1-Hexene	0.31	0.31	0.37	0.37	0.40	0.38	0.29					
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND					
n-Hexane	1.05	0.76	0.68	0.85	0.55	0.52	0.61					
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND					
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND					
Methylcyclopentane	0.57	0.37	0.45	0.39	0.41	0.31	0.33					
2,4-Dimethylpentane	0.24	0.29	0.28	0.30	0.28	0.26	0.26					
Benzene	1.04	1.18	1.46	1.23	0.97	0.97	0.98					
Cyclohexane	0.38	0.32	0.31	0.36	0.33	0.33	0.32					
2-Methylhexane	0.71	0.93	0.80	0.68	0.60	0.63	0.49					
2,3-Dimethylpentane	0.57	0.50	0.53	0.53	0.53	0.52	0.53					
3-Methylhexane	0.51	2.07	0.40	0.38	0.28	0.31	0.34					
1-Heptene	ND	0.09	U	0.12	U	0.09	U	ND	ND			
2,2,4-Trimethylpentane	0.59	0.52	0.64	0.59	0.47	0.45	0.51					
n-Heptane	0.40	0.30	0.35	0.33	0.28	0.25	0.24					
Methylcyclohexane	0.36	0.50	0.32	0.35	0.31	0.30	0.28					
2,2,3-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND					
2,3,4-Trimethylpentane	0.19	0.21	0.23	0.19	0.19	0.23	0.23					
Toluene	1.28	1.36	1.22	1.30	0.96	0.94	0.96					
2-Methylheptane	0.16	0.16	0.14	U	0.14	U	0.15	0.15				
3-Methylheptane	0.17	0.15	0.17	0.15	0.14	0.14	0.14					
1-Octene	ND	ND	ND	ND	ND	ND	ND					
n-Octane	0.26	0.22	0.21	0.21	0.17	0.18	0.17					
Ethylbenzene	0.25	0.26	0.30	0.35	0.24	0.20	0.23					
m-Xylene/p-Xylene	0.65	0.60	0.46	0.58	0.41	0.14	0.41					
Styrene	ND	1.02	0.20	0.10	0.13	0.15	0.13					
o-Xylene	0.28	0.29	0.22	0.23	0.18	0.16	0.17					
1-Nonene	ND	ND	ND	ND	ND	ND	ND					
n-Nonane	0.19	0.17	0.16	0.14	0.21	0.20	0.16					
Isopropylbenzene	0.21	0.17	0.14	U	0.15	U	0.14	U				
a-Pinene	ND	ND	ND	ND	ND	ND	ND					
n-Propylbenzene	0.19	0.26	0.19	0.22	ND	0.10	U	0.09	U			
m-Ethyltoluene	0.49	0.47	0.43	0.44	0.39	0.34	0.49					
p-Ethyltoluene	0.21	0.20	0.24	0.21	0.15	U	0.17	U	0.16	U		
1,3,5-Trimethylbenzene	0.19	0.11	0.12	0.09	U	0.12	ND	ND	ND			
o-Ethyltoluene	0.20	0.17	0.15	U	0.16	U	0.14	U	0.14	U		
b-Pinene	0.12	U	ND	ND	ND	ND	ND	ND	ND			
1,2,4-Trimethylbenzene	0.27	0.41	0.35	0.34	0.34	0.24	0.21					
1-Decene	ND	ND	ND	ND	ND	ND	ND					
n-Decane	0.13	0.25	0.38	0.38	0.50	0.48	0.27					
1,2,3-Trimethylbenzene	0.21	0.50	0.50	0.47	0.17	0.18	0.11					
m-Diethylbenzene	0.40	0.13	U	1.07	0.40	0.23	0.27	0.67				
p-Diethylbenzene	0.32	0.20	0.42	0.33	0.19	0.19	0.27					
1-Undecene	ND	ND	ND	ND	ND	ND	ND					
n-Undecane	0.59	1.04	1.44	1.51	1.54	1.45	1.60					
1-Dodecene	ND	ND	ND	ND	ND	ND	ND					
n-Dodecane	ND	0.39	U	0.47	0.43	U	0.61	0.59	1.21			
1-Tridecene	ND	ND	ND	ND	ND	ND	ND					
n-Tridecane	ND	ND	0.13	U	0.11	U	0.16	U	0.14	U	0.29	U
TNMOC (speciated) in ug/m ³	49.56	44.72	40.99	42.19	33.47	32.18	33.55					
TNMOC (w/ unknowns) in ppbC	111.72	168.23	178.21	131.48	100.09	92.43	99.22					

NR Not reported due to a large interfering non-target peak.
Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.
U Under detection limit.

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(Reported in ug/m³)

Sample No.:	DAIA 26051 R2	DAIA 26226	DAIA 26442	DAIA 26638	DAIA 26856	DAIA 27101	DAIA 27450
Sampling Date:	2/25/2002	3/9/2002	3/21/2002	4/2/2002	4/14/2002	4/26/2002	5/8/2002
Analysis Date:	3/6/2002	3/13/2002	4/5/2002	4/11/2002	4/26/2002	5/3/2002	5/14/2002
Filename:	L2CF009	L2CM007	L2DE006	L2DK005	L2DZ007	L2EC006	L2EN006
Ethylene	1.10	0.90	2.25	2.20	1.40	1.97	1.23
Acetylene	1.03	0.84	0.79	1.00	0.84	0.83	0.80
Ethane	3.99	4.28	3.78	4.35	5.22	3.60	2.98
Propylene	0.48	0.59	1.24	0.81	0.74	0.93	0.68
Propane	3.14	3.47	2.90	3.16	3.99	2.61	2.19
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.81	0.84	0.69	1.15	1.00	0.77	0.79
Isobutene/1-Butene	0.58	0.75	1.07	0.67	0.72	1.23	0.74
1,3-Butadiene	ND	ND	ND	0.09	0.08	ND	ND
n-Butane	2.61	2.01	1.78	2.55	3.12	1.77	2.18
trans-2-Butene	0.18	0.19	0.20	0.18	0.19	0.23	0.18
cis-2-Butene	0.23	0.21	0.25	0.26	0.26	0.30	0.25
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	1.57	1.26	8.32	1.87	2.93	2.08	2.87
1-Pentene	0.16	0.18	0.28	0.18	0.23	0.25	0.23
2-Methyl-1-butene	0.09	U	0.16	0.16	0.25	0.28	0.22
n-Pentane	0.91	0.88	0.61	0.92	1.28	1.29	1.31
Isoprene	0.26	0.12	0.18	0.20	0.14	0.14	0.15
trans-2-Pentene	0.18	0.19	0.19	0.20	0.26	0.22	0.26
cis-2-Pentene	0.21	0.21	0.20	0.20	0.24	0.25	0.22
2-Methyl-2-butene	0.11	U	0.13	U	ND	0.23	0.23
2,2-Dimethylbutane	0.41	0.35	0.37	0.35	0.45	0.37	0.37
Cyclopentene	ND	ND	ND	ND	0.15	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.23	0.17	0.22	0.21	0.23	0.23	0.23
2,3-Dimethylbutane	0.38	0.31	0.31	0.40	0.44	0.38	0.42
2-Methylpentane	0.78	1.07	2.15	0.83	1.50	1.97	1.01
3-Methylpentane	0.51	0.41	0.38	0.63	0.84	0.61	0.93
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.31	0.34	0.43	0.35	0.33	0.43	0.37
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.55	0.46	0.43	0.64	0.84	0.61	0.82
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.33	0.30	1.06	0.33	0.48	0.37	0.45
2,4-Dimethylpentane	0.28	0.22	0.30	0.26	0.33	0.30	0.29
Benzene	1.03	1.06	1.14	0.97	1.32	1.15	1.04
Cyclohexane	0.31	0.34	0.27	0.29	0.30	0.31	0.31
2-Methylhexane	0.51	0.62	2.02	0.65	0.69	1.03	0.65
2,3-Dimethylpentane	0.47	0.42	0.61	0.62	0.60	0.70	0.57
3-Methylhexane	0.32	0.21	ND	0.43	0.44	0.49	0.71
1-Heptene	ND	ND	0.18	0.10	U	0.08	U
2,2,4-Trimethylpentane	0.49	0.27	0.45	0.53	0.72	0.61	0.72
n-Heptane	0.27	0.27	0.25	0.28	0.40	0.35	0.34
Methylcyclohexane	0.26	0.28	0.30	0.28	0.33	0.42	0.29
2,2,3-Trimethylpentane	ND	ND	0.17	ND	ND	ND	ND
2,3,4-Trimethylpentane	0.22	0.21	0.27	0.21	0.30	0.24	0.29
Toluene	0.99	0.76	0.66	1.03	2.50	1.59	2.02
2-Methylheptane	0.13	U	0.13	U	0.15	0.18	0.18
3-Methylheptane	0.15	0.15	0.13	0.14	0.22	0.18	0.21
1-Octene	ND	ND	0.14	ND	0.09	U	ND
n-Octane	0.19	0.21	0.20	0.16	0.28	0.29	0.26
Ethylbenzene	0.20	0.20	0.13	0.23	0.41	0.32	0.43
m-Xylene/p-Xylene	0.39	0.34	0.24	0.41	1.13	0.70	1.06
Styrene	ND	0.34	0.96	0.27	0.35	0.39	0.31
o-Xylene	0.21	0.17	0.16	0.21	0.46	0.30	0.42
1-Nonene	ND	0.34	ND	ND	ND	ND	ND
n-Nonane	0.15	0.18	0.12	0.17	0.24	0.25	0.28
Isopropylbenzene	0.08	U	0.13	U	0.08	U	0.16
a-Pinene	ND	0.29	ND	ND	ND	ND	ND
n-Propylbenzene	0.09	U	0.14	U	0.17	0.30	0.33
m-Ethyltoluene	0.45	0.54	0.21	0.40	0.78	0.83	1.04
p-Ethyltoluene	0.16	U	0.21	0.11	U	0.33	0.31
1,3,5-Trimethylbenzene	ND	0.16	0.08	U	0.10	U	0.18
o-Ethyltoluene	0.15	U	0.19	ND	0.16	0.28	0.25
b-Pinene	ND	ND	ND	ND	0.25	ND	ND
1,2,4-Trimethylbenzene	0.10	0.43	0.21	0.34	0.77	0.50	1.54
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.28	0.44	0.19	0.20	0.39	0.57	0.47
1,2,3-Trimethylbenzene	0.19	0.75	0.40	0.34	0.52	0.53	0.92
m-Diethylbenzene	0.42	ND	ND	0.49	1.04	0.84	0.60
p-Diethylbenzene	0.23	0.71	ND	0.35	0.42	0.61	0.38
1-Undecene	ND	ND	0.20	0.28	ND	ND	ND
n-Undecane	1.52	1.73	0.27	1.34	1.17	1.38	1.68
1-Dodecene	ND	ND	ND	ND	ND	ND	ND
n-Dodecane	1.01	0.72	0.50	0.42	U	0.38	U
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	0.22	U	0.35	U	0.15	U	0.13
TNMOC (speciated) in ug/m ³	32.60	33.97	41.97	36.38	46.61	40.65	41.59
TNMOC (w/ unknowns) in ppbC	102.20	201.95	247.40	147.08	213.67	215.17	164.35

NR Not reported due to a large interfering non-target peak.
Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.
U Under detection limit.

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(Reported in ug/m³)

Sample No.:	DAIA 27670	DAIA 27829	DAIA 28124	DAIA 28386 D1	DAIA 28388 D2	DAIA 28605	DAIA 28808
Sampling Date:	5/20/2002	6/1/2002	6/13/2002	6/25/2002	6/25/2002	7/7/2002	7/19/2002
Analysis Date:	5/24/2002	7/1/2002	7/13/2002				8/12/2002
Filename:	L2EW019	L2GA004	L2GL017	VOID	VOID	VOID	L2HL006
Ethylene	1.86	2.94	1.65				3.31
Acetylene	1.05	1.17	0.59				1.01
Ethane	4.01	4.36	2.66				6.00
Propylene	0.84	1.69	0.86				2.08
Propane	2.00	4.02	2.21				5.31
Propyne	ND	ND	ND				ND
Isobutane	0.79	1.12	0.91				1.79
Isobutene/1-Butene	0.94	1.20	0.88				1.71
1,3-Butadiene	0.13	U	0.20	ND			ND
n-Butane	1.86	3.31	2.20				3.50
trans-2-Butene	0.24	0.26	0.34				0.75
cis-2-Butene	0.32	0.40	0.45				1.39
3-Methyl-1-butene	ND	0.12	U	ND			ND
Isopentane	3.48	6.04	3.53				NR
1-Pentene	0.30	0.36	0.36				NR
2-Methyl-1-butene	0.26	0.53	0.27				NR
n-Pentane	1.67	2.76	1.58				3.23
Isoprene	0.19	1.92	0.68				2.09
trans-2-Pentene	0.29	0.49	0.39				0.96
cis-2-Pentene	0.27	0.40	0.45				1.56
2-Methyl-2-butene	0.26	0.58	0.23				ND
2,2-Dimethylbutane	0.42	0.66	0.72				2.21
Cyclopentene	ND	ND	0.17				ND
4-Methyl-1-pentene	ND	0.65	ND				ND
Cyclopentane	0.23	0.41	0.44				1.48
2,3-Dimethylbutane	0.52	0.74	0.83				2.71
2-Methylpentane	1.23	3.41	1.23				3.48
3-Methylpentane	0.94	1.42	1.05				13.27
2-Methyl-1-pentene	ND	0.11	U	ND			ND
1-Hexene	0.34	0.40	0.65				2.26
2-Ethyl-1-butene	ND	ND	ND				ND
n-Hexane	0.79	1.49	1.12				368.92
trans-2-Hexene	ND	ND	ND				ND
cis-2-Hexene	ND	ND	ND				ND
Methylcyclopentane	0.50	0.93	0.57				123.19
2,4-Dimethylpentane	0.33	0.48	0.55				1.52
Benzene	1.20	1.72	1.11				2.26
Cyclohexane	0.30	0.52	0.55				1.97
2-Methylhexane	0.70	1.61	0.74				2.26
2,3-Dimethylpentane	0.65	1.03	0.83				2.61
3-Methylhexane	0.92	0.99	1.18				1.48
1-Heptene	0.11	U	ND	ND			ND
2,2,4-Trimethylpentane	0.86	2.03	0.82				1.59
n-Heptane	0.42	1.05	0.50				1.18
Methylcyclohexane	0.30	1.08	0.46				1.48
2,2,3-Trimethylpentane	ND	0.39	ND				ND
2,3,4-Trimethylpentane	0.29	0.50	0.40				1.15
Toluene	2.28	5.23	1.76				3.19
2-Methylheptane	0.18	0.68	0.26				0.84
3-Methylheptane	0.22	0.79	0.27				0.91
1-Octene	0.08	U	ND	ND			ND
n-Octane	0.28	1.64	0.31				0.96
Ethylbenzene	0.44	0.70	0.60				0.77
m-Xylene/p-Xylene	0.97	1.88	0.72				1.31
Styrene	0.26	1.10	0.80				ND
o-Xylene	0.37	0.78	0.33				0.58
1-Nonene	ND	ND	ND				ND
n-Nonane	0.24	0.55	0.24				0.49
Isopropylbenzene	0.16	U	0.65	0.26			0.46
a-Pinene	ND	0.45	0.32				ND
n-Propylbenzene	0.23	0.42	0.17				ND
m-Ethyltoluene	0.60	1.02	0.43				ND
p-Ethyltoluene	0.27	0.54	0.37				0.55
1,3,5-Trimethylbenzene	0.13	0.36	ND				ND
o-Ethyltoluene	0.25	0.49	0.31				ND
b-Pinene	ND	ND	ND				0.52
1,2,4-Trimethylbenzene	0.54	1.18	0.48				0.59
1-Decene	ND	ND	ND				ND
n-Decane	0.27	0.57	0.51				ND
1,2,3-Trimethylbenzene	0.40	0.96	1.19				ND
m-Diethylbenzene	0.39	1.15	0.85				ND
p-Diethylbenzene	0.37	0.53	0.46				ND
1-Undecene	ND	0.38	0.44				ND
n-Undecane	2.20	1.45	2.47				1.31
1-Dodecene	ND	ND	ND				ND
n-Dodecane	0.32	U	0.18	U	1.32		0.42
1-Tridecene	ND	ND	0.94				ND
n-Tridecane	ND	0.08	U	1.08			ND
TNMOC (speciated) in ug/m ³	43.26	79.27	51.04				582.61
TNMOC (w/ unknowns) in ppbC	161.33	373.43	146.74				1017.78

NR Not reported due to a large interfering non-target peak.

Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.

U Under detection limit.

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(Reported in ug/m³)

Sample No.:	DAIA 28934 D1	DAIA 28936 D2	DAIA 29046	DAIA 29161	DAIA 29311	DAIA 29475	DAIA 29740
Sampling Date:	7/25/2002	7/25/2002	7/31/2002	8/6/2002	8/12/2002	8/24/2002	9/5/2002
Analysis Date:	8/14/2002	8/14/2002	8/31/2002	9/1/2002	9/4/2002		
Filename:	L2HM020	L2HM021	L2H%007	L2H%021	L2ID009	VOID	VOID
Ethylene	0.86	0.97	3.12	2.73	1.59		
Acetylene	0.32	0.36	0.71	0.55	0.80		
Ethane	1.56	1.65	3.53	2.14	3.26		
Propylene	0.52	0.60	2.44	1.86	1.05		
Propane	1.47	1.55	2.86	1.83	2.94		
Propyne	ND	ND	ND	ND	ND		
Isobutane	0.47	0.50	1.09	0.70	0.81		
Isobutene/1-Butene	0.55	0.67	3.90	2.77	1.10		
1,3-Butadiene	ND	ND	0.10	ND	ND		
n-Butane	0.92	0.97	2.59	1.35	3.03		
trans-2-Butene	0.24	0.25	0.35	0.45	0.25		
cis-2-Butene	0.27	0.30	0.43	0.50	0.41		
3-Methyl-1-butene	ND	ND	ND	ND	ND		
Isopentane	NR	NR	NR	NR	NR		
1-Pentene	NR	NR	NR	NR	0.38		
2-Methyl-1-butene	NR	NR	NR	NR	0.25		
n-Pentane	0.77	0.95	1.64	1.65	1.86		
Isoprene	0.62	0.52	1.72	1.04	1.87		
trans-2-Pentene	0.25	0.28	0.46	0.52	0.42		
cis-2-Pentene	0.29	0.31	0.40	0.55	0.43		
2-Methyl-2-butene	0.13	U	0.12	U	ND		
2,2-Dimethylbutane	0.53	0.50	0.63	0.62	0.72		
Cyclopentene	ND	ND	ND	ND	ND		
4-Methyl-1-pentene	ND	ND	ND	ND	ND		
Cyclopentane	0.26	0.26	0.45	0.54	0.40		
2,3-Dimethylbutane	0.53	0.53	0.61	0.78	0.67		
2-Methylpentane	0.89	1.02	3.07	3.01	1.80		
3-Methylpentane	1.20	1.24	3.59	1.95	1.78		
2-Methyl-1-pentene	ND	ND	ND	ND	ND		
1-Hexene	ND	0.42	0.62	0.78	0.49		
2-Ethyl-1-butene	ND	ND	ND	ND	ND		
n-Hexane	21.26	22.93	66.24	36.03	26.86		
trans-2-Hexene	ND	ND	ND	ND	ND		
cis-2-Hexene	ND	ND	ND	ND	ND		
Methylcyclopentane	7.51	8.03	23.26	13.63	9.86		
2,4-Dimethylpentane	0.33	0.33	0.36	0.61	0.42		
Benzene	0.54	0.52	1.07	0.98	1.38		
Cyclohexane	0.41	0.41	0.53	0.60	0.47		
2-Methylhexane	0.49	0.66	3.08	2.45	0.83		
2,3-Dimethylpentane	0.51	0.57	0.67	0.97	0.69		
3-Methylhexane	0.39	0.33	0.95	ND	0.48		
1-Heptene	ND	ND	0.18	ND	ND		
2,2,4-Trimethylpentane	0.37	0.46	0.85	0.90	0.80		
n-Heptane	0.26	0.26	0.37	0.37	0.42		
Methylcyclohexane	0.33	0.35	0.31	0.56	0.47		
2,2,3-Trimethylpentane	ND	ND	0.20	ND	ND		
2,3,4-Trimethylpentane	0.25	0.26	0.51	0.52	0.33		
Toluene	0.90	0.89	2.27	1.43	1.97		
2-Methylheptane	0.19	0.14	U	0.23	0.29		
3-Methylheptane	0.20	0.18	0.22	0.27	0.18		
1-Octene	0.09	U	ND	0.35	ND		
n-Octane	0.24	0.22	0.31	0.38	0.31		
Ethylbenzene	0.24	0.18	0.42	0.29	0.39		
m-Xylene/p-Xylene	0.41	0.40	0.71	0.54	0.78		
Styrene	0.18	0.43	2.42	1.90	0.36		
o-Xylene	0.20	0.17	0.30	0.27	0.37		
1-Nonene	ND	ND	0.39	ND	ND		
n-Nonane	0.16	0.14	0.15	0.17	0.23		
Isopropylbenzene	0.14	U	0.17	0.09	U		
a-Pinene	ND	0.16	U	2.26	1.34		
n-Propylbenzene	0.09	U	0.09	0.20	ND		
m-Ethyltoluene	0.18	0.16	0.15	ND	0.40		
p-Ethyltoluene	0.22	0.16	U	0.17	U		
1,3,5-Trimethylbenzene	0.09	U	0.11	0.10	U		
o-Ethyltoluene	0.10	U	0.11	0.20	ND		
b-Pinene	0.16	U	0.34	ND	1.20		
1,2,4-Trimethylbenzene	0.34	0.17	0.28	0.22	0.38		
1-Decene	ND	ND	ND	ND	ND		
n-Decane	0.18	0.15	0.17	0.27	0.94		
1,2,3-Trimethylbenzene	0.18	0.24	ND	0.33	0.35		
m-Diethylbenzene	0.41	0.38	ND	1.30	1.04		
p-Diethylbenzene	ND	ND	0.31	0.24	0.33		
1-Undecene	ND	ND	0.19	U	0.21		
n-Undecane	0.44	0.31	0.80	0.69	0.98		
1-Dodecene	ND	ND	ND	ND	0.22	U	
n-Dodecane	0.28	U	0.21	U	0.29	U	
1-Tridecene	ND	ND	ND	ND	ND		
n-Tridecane	ND	ND	ND	ND	ND		
TNMOC (speciated) in ug/m ³	50.92	54.57	145.74	96.16	81.33		
TNMOC (w/ unknowns) in ppbC	116.74	129.94	491.55	271.33	230.61		

NR Not reported due to a large interfering non-target peak.
Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.
U Under detection limit.

Davenport, Iowa (DAIA) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ug/m³)

Sample No.:	DAIA 30538	DAIA 30719 D1	DAIA 30719 R1	DAIA 30722 D2	DAIA 30722 R2	DAIA 30905	DAIA 31087
Sampling Date:	11/4/2002	11/16/2002	11/16/2002	11/16/2002	11/16/2002	11/28/2002	12/10/2002
Analysis Date:	12/4/2002	12/16/2002	12/16/2002	12/16/2002	12/16/2002	12/19/2002	1/8/2003
Filename:	L2LC020	N2LO020	N2LP009	N2LO021	N2LP010	N2LR020	L3AG021
Ethylene	4.59 #	2.13	2.48	1.93	2.28	2.03	4.09
Acetylene	2.46	0.84	1.25	0.76	1.33	1.57	2.77
Ethane	9.18	3.40	3.75	3.57	3.79	5.81	8.18
Propylene	2.14	0.35	0.89	0.41	0.82	1.07	1.81
Propane	9.74	3.13	3.69	3.47	3.94	5.10	5.50
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	2.82	1.64	2.01	1.90	2.27	1.61	1.73
Isobutene/1-Butene	1.43	1.44	2.05	0.54	0.99	0.59	0.99
1,3-Butadiene	ND	0.08	U	0.07	U	0.08	U
n-Butane	7.51	2.47	3.08	2.96	3.30	3.54	5.91
trans-2-Butene	0.58	0.09	U	0.42	U	0.42	U
cis-2-Butene	0.83	0.07	U	0.55	U	0.58	U
3-Methyl-1-butene	ND	ND	ND	ND	ND	0.05	U
Isopentane	6.69	2.35	3.22	1.71	2.49	4.34	5.15
1-Pentene	0.57	ND	0.44	0.21	0.65	ND	0.22
2-Methyl-1-butene	0.31	0.12	U	0.13	U	0.15	0.14
n-Pentane	3.32	13.14	13.30	18.06	17.92	2.20	2.06
Isoprene	0.54	0.17	0.67	0.20	0.71	0.12	0.27
trans-2-Pentene	0.74	0.10	0.46	0.09	0.51	0.13	0.34
cis-2-Pentene	0.74	0.13	0.61	0.13	0.61	0.12	0.16
2-Methyl-2-butene	0.42	0.11	U	0.11	U	0.10	U
2,2-Dimethylbutane	1.17	0.16	0.80	0.16	0.87	0.20	0.35
Cyclopentene	ND	ND	ND	ND	ND	ND	0.12
4-Methyl-1-pentene	ND	ND	0.12	U	ND	ND	ND
Cyclopentane	0.72	0.14	0.44	0.20	0.52	0.20	0.31
2,3-Dimethylbutane	1.50	0.38	1.12	0.33	1.10	0.36	0.48
2-Methylpentane	1.94	0.90	1.18	0.55	0.87	1.07	1.65
3-Methylpentane	1.85	0.90	1.71	0.46	1.11	0.65	1.61
2-Methyl-1-pentene	ND	ND	ND	ND	ND	0.09	U
1-Hexene	0.91	0.19	1.21	0.24	1.02	0.20	0.13
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	1.61	0.42	1.05	0.68	1.12	1.28	1.42
trans-2-Hexene	ND	ND	ND	ND	ND	0.09	U
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	1.18	0.38	0.68	0.34	0.72	0.51	0.85
2,4-Dimethylpentane	0.91	0.12	0.65	0.11	0.67	0.16	0.33
Benzene	1.96	0.97	1.22	0.92	1.19	1.20	1.96
Cyclohexane	1.41	2.89	1.50	0.27	0.88	0.52	0.37
2-Methylhexane	0.42	0.14	1.36	0.70	1.05	0.54	1.36
2,3-Dimethylpentane	1.18	0.16	U	1.06	1.10	0.32	0.74
3-Methylhexane	0.87	0.67	0.97	0.32	0.78	0.48	0.72
1-Heptene	ND	0.12	U	0.11	U	0.08	U
2,2,4-Trimethylpentane	1.56	0.33	0.79	0.43	0.85	0.55	1.06
n-Heptane	0.96	0.37	0.71	0.38	0.71	0.47	0.66
Methylcyclohexane	0.82	0.16	0.66	0.18	0.66	0.25	0.34
2,2,3-Trimethylpentane	ND	0.17	ND	0.20	0.11	U	0.20
2,3,4-Trimethylpentane	0.91	0.23	0.55	0.23	0.60	0.26	0.42
Toluene	4.23	1.55	2.05	1.69	2.14	3.17	4.91
2-Methylheptane	0.77	0.16	0.49	0.16	0.56	0.14	U
3-Methylheptane	0.78	0.23	0.51	0.13	0.58	0.16	0.20
1-Octene	ND	ND	ND	0.26	0.14	0.41	ND
n-Octane	0.73	0.30	0.70	0.31	0.73	0.22	0.30
Ethylbenzene	4.57	1.14	0.18	1.23	0.17	0.80	1.39
m-Xylene/p-Xylene	6.02	1.76	2.10	2.14	3.31	4.41	4.64
Styrene	0.30	0.10	0.48	0.23	0.58	0.41	0.50
o-Xylene	1.28	0.32	0.89	0.39	1.04	1.22	1.16
1-Nonene	ND	0.20	0.21	0.23	0.20	0.25	ND
n-Nonane	0.81	0.29	0.59	0.26	0.56	0.27	0.26
Isopropylbenzene	0.64	ND	0.55	0.07	U	0.63	0.12
a-Pinene	0.55	ND	ND	ND	ND	0.12	U
n-Propylbenzene	0.58	0.15	U	0.44	0.19	0.60	0.18
m-Ethyltoluene	1.00	0.27	0.50	0.33	0.59	0.60	0.52
p-Ethyltoluene	0.85	0.13	U	0.49	0.15	U	0.53
1,3,5-Trimethylbenzene	0.56	0.11	0.32	0.12	0.35	0.19	0.20
o-Ethyltoluene	0.44	0.12	U	0.38	0.12	U	0.39
b-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	1.25	0.36	0.60	0.37	0.72	0.73	0.63
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.65	0.21	0.41	0.35	0.63	0.99	0.23
1,2,3-Trimethylbenzene	0.41	0.09	0.22	0.07	U	0.31	0.24
m-Diethylbenzene	0.59	ND	0.26	0.11	U	0.35	0.12
p-Diethylbenzene	0.72	0.19	0.31	0.30	0.48	0.59	0.59
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.67	0.27	0.39	0.97	1.05	2.77	0.62
1-Dodecene	ND	ND	ND	ND	ND	0.08	U
n-Dodecane	0.69	0.10	U	0.12	U	0.18	U
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	ND	ND	ND	ND
TNMOC (speciated) in ug/m ³	105.57	49.62	70.26	53.74	75.74	57.98	73.11
TNMOC (w/ unknowns) in ppbC	263.70	213.14	224.65	160.66	184.40	223.06	307.39

NR Not reported due to a large interfering non-target peak.
Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.
U Under detection limit.

Davenport, Iowa (DAIA) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ug/m³)

Sample No.:	DAIA 31316
Sampling Date:	12/22/2002
Analysis Date:	1/13/2003
Filename:	L3AM011

Ethylene	0.91	
Acetylene	0.74	
Ethane	4.35	
Propylene	0.36	
Propane	3.57	
Propyne	ND	
Isobutane	0.95	
Isobutene/1-Butene	0.39	
1,3-Butadiene	ND	
n-Butane	2.10	
trans-2-Butene	ND	
cis-2-Butene	ND	
3-Methyl-1-butene	ND	
Isopentane	2.50	
1-Pentene	ND	
2-Methyl-1-butene	ND	
n-Pentane	1.27	
Isoprene	0.23	
trans-2-Pentene	ND	
cis-2-Pentene	ND	
2-Methyl-2-butene	ND	
2,2-Dimethylbutane	ND	
Cyclopentene	ND	
4-Methyl-1-pentene	ND	
Cyclopentane	0.27	
2,3-Dimethylbutane	0.14	
2-Methylpentane	0.40	
3-Methylpentane	0.73	
2-Methyl-1-pentene	ND	
1-Hexene	ND	
2-Ethyl-1-butene	ND	
n-Hexane	0.55	
trans-2-Hexene	ND	
cis-2-Hexene	ND	
Methylcyclopentane	0.22	
2,4-Dimethylpentane	ND	
Benzene	0.72	
Cyclohexane	0.31	
2-Methylhexane	ND	
2,3-Dimethylpentane	ND	
3-Methylhexane	ND	
1-Heptene	ND	
2,2,4-Trimethylpentane	0.22	
n-Heptane	0.23	
Methylcyclohexane	0.15	
2,2,3-Trimethylpentane	ND	
2,3,4-Trimethylpentane	ND	
Toluene	1.32	
2-Methylheptane	ND	
3-Methylheptane	ND	
1-Octene	ND	
n-Octane	0.14	
Ethylbenzene	0.58	
m-Xylene/p-Xylene	2.26	
Styrene	0.27	
o-Xylene	0.77	
1-Nonene	ND	
n-Nonane	0.14	
Isopropylbenzene	ND	
a-Pinene	ND	
n-Propylbenzene	ND	
m-Ethyltoluene	0.18	
p-Ethyltoluene	ND	
1,3,5-Trimethylbenzene	ND	
o-Ethyltoluene	ND	
b-Pinene	ND	
1,2,4-Trimethylbenzene	0.11	
1-Decene	ND	
n-Decane	0.16	
1,2,3-Trimethylbenzene	ND	
m-Diethylbenzene	ND	
p-Diethylbenzene	ND	
1-Undecene	ND	
n-Undecane	0.18	U
1-Dodecene	0.11	U
n-Dodecane	ND	
1-Tridecene	ND	
n-Tridecane	ND	

TNMOC (speciated) in ug/m ³	27.54
TNMOC (w/ unknowns) in ppbC	119.82

NR Not reported due to a large interfering non-target peak.
Should be considered an estimate - the 12/4/02 QC failed criteria for ethylene.
U Under detection limit.

Des Moines, Iowa (DMIA) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	DMIA 25320	DMIA 25549	DMIA 25795	DMIA 26053 D1	DMIA 26055 D2	DMIA 26265	DMIA 26403
Sampling Date:	1/20/2002	2/1/2002	2/13/2002	2/25/2002	2/25/2002	3/9/2002	3/21/2002
Analysis Date:	1/29/2002	2/27/2002	3/1/2002	3/6/2002	3/6/2002	3/20/2002	3/28/2002
Filename:	L2A#007	L2BZ020	L2B1020	L2CE025	L2CE026	L2CT007	L2C--012
Ethylene	6.98	4.84	7.02	2.59	2.37	1.86	1.82
Acetylene	3.47	4.41	7.54	2.25	2.20	1.93	1.80
Ethane	12.03	14.06	13.47	9.08	7.22	7.37	6.74
Propylene	1.67	1.97	2.61	1.84	1.40	1.35	1.50
Propane	9.71	10.66	11.03	8.17	5.98	6.94	5.70
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	2.84	2.52	3.57	2.73	1.47	1.49	1.19
Isobutene/1-Butene	0.86	1.42	1.96	1.53	1.19	1.02	1.05
1,3-Butadiene	0.24	U	0.26	U	0.14	U	ND
n-Butane	7.56	8.07	12.28	5.15	4.05	3.91	2.85
trans-2-Butene	0.29	0.99	0.58	0.38	0.31	0.28	0.29
cis-2-Butene	0.40	0.57	0.68	0.54	0.48	0.36	0.40
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	5.26	6.37	8.64	6.20	2.87	2.33	2.42
1-Pentene	0.27	0.33	0.42	0.55	0.45	0.26	0.33
2-Methyl-1-butene	0.21	U	0.25	0.21	U	ND	0.15
n-Pentane	3.02	2.82	3.62	9.19	1.58	1.41	1.46
Isoprene	0.35	0.45	0.67	1.03	0.52	0.23	0.30
trans-2-Pentene	0.37	0.50	0.68	0.46	0.38	0.28	0.29
cis-2-Pentene	0.31	0.50	0.46	0.46	0.43	0.33	0.34
2-Methyl-2-butene	0.26	0.38	0.65	0.37	0.20	U	ND
2,2-Dimethylbutane	0.68	0.94	1.04	0.78	0.75	0.55	0.60
Cyclopentene	ND	0.35	ND	ND	ND	ND	0.30
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.49	0.44	0.57	1.21	0.37	0.39	0.42
2,3-Dimethylbutane	0.75	1.06	1.07	0.81	0.75	0.61	0.59
2-Methylpentane	2.28	3.02	3.40	2.08	1.51	1.03	0.88
3-Methylpentane	1.26	1.61	1.76	1.40	1.04	0.89	0.89
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.49	0.61	0.53	0.97	0.88	0.53	0.64
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	1.48	1.71	1.89	2.65	1.14	0.90	0.83
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.83	1.00	1.05	1.05	0.58	0.62	0.54
2,4-Dimethylpentane	0.56	0.71	0.78	0.71	0.71	0.50	0.47
Benzene	2.21	3.11	3.65	2.50	2.42	1.73	1.61
Cyclohexane	0.75	0.91	0.97	1.65	0.71	0.44	0.58
2-Methylhexane	1.40	1.68	1.63	1.92	1.37	1.26	0.96
2,3-Dimethylpentane	1.00	1.22	1.70	1.14	1.01	0.91	0.97
3-Methylhexane	1.04	1.01	1.43	1.11	0.59	0.50	0.92
1-Heptene	0.18	U	0.20	U	0.31	ND	0.14
2,2,4-Trimethylpentane	0.94	1.41	1.90	1.09	0.99	0.74	0.68
n-Heptane	0.67	1.01	0.90	1.20	0.64	0.52	0.48
Methylcyclohexane	0.80	0.96	0.94	0.83	0.67	0.65	0.50
2,2,3-Trimethylpentane	ND	0.22	U	ND	ND	ND	ND
2,3,4-Trimethylpentane	0.44	0.64	0.77	1.09	0.49	0.40	0.35
Toluene	2.61	5.69	7.58	13.73	4.21	1.67	1.98
2-Methylheptane	0.36	0.33	0.45	0.33	0.34	0.24	U
3-Methylheptane	0.28	0.43	0.50	0.39	0.33	0.24	0.22
1-Octene	ND	ND	ND	0.40	0.34	ND	ND
n-Octane	0.40	0.56	0.52	0.74	0.46	0.35	0.25
Ethylbenzene	0.53	3.50	0.82	2.67	2.61	0.42	0.36
m-Xylene/p-Xylene	3.09	5.69	7.10	3.13	2.86	1.20	1.32
Styrene	1.17	0.80	ND	2.13	1.42	1.79	1.20
o-Xylene	1.73	2.68	2.51	2.58	2.18	0.93	0.65
1-Nonene	ND	ND	ND	0.30	U	0.15	U
n-Nonane	0.33	0.40	0.45	0.70	0.49	0.22	0.24
Isopropylbenzene	0.27	U	0.27	U	0.33	0.42	0.27
a-Pinene	0.51	2.21	1.90	5.57	1.11	6.78	ND
n-Propylbenzene	0.35	0.24	U	0.32	0.37	0.45	ND
m-Ethyltoluene	0.77	0.81	1.90	1.74	2.09	0.66	0.85
p-Ethyltoluene	0.45	0.44	0.43	0.56	0.44	0.23	U
1,3,5-Trimethylbenzene	0.27	0.25	0.39	0.36	0.28	0.18	U
o-Ethyltoluene	0.28	U	0.34	ND	0.41	ND	ND
b-Pinene	0.67	ND	ND	0.21	U	ND	ND
1,2,4-Trimethylbenzene	0.89	0.86	1.23	1.03	0.87	0.58	0.41
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.47	0.45	0.70	2.67	0.63	0.28	0.38
1,2,3-Trimethylbenzene	0.25	0.36	ND	0.23	0.38	0.16	ND
m-Diethylbenzene	0.62	0.55	0.39	0.70	0.33	0.69	0.15
p-Diethylbenzene	1.56	0.55	0.54	0.76	0.40	1.08	0.29
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	1.54	1.72	1.89	10.14	1.81	1.98	1.01
1-Dodecene	ND	ND	ND	0.15	U	ND	ND
n-Dodecane	0.76	1.35	1.36	9.65	2.57	2.77	0.46
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	0.33	U	0.17	U	2.54	0.90
TNMOc (speciated)	94.46	115.98	133.92	141.74	78.79	68.53	53.29
TNMOc (w/ unknowns)	202.26	232.36	226.72	292.39	170.81	173.42	132.56

Des Moines, Iowa (DMIA) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ppbC)

Sample No.:	DMIA 26611	DMIA 26853	DMIA 27103	DMIA 27427	DMIA 27705	DMIA 27840	DMIA 28008
Sampling Date:	4/2/2002	4/14/2002	4/26/2002	5/8/2002	5/20/2002	6/1/2002	6/13/2002
Analysis Date:	4/6/2002	4/26/2002	5/3/2002	5/14/2002	5/30/2002	7/1/2002	7/13/2002
Filename:	L2DE020	L2DZ012	L2EC007	L2EN007	L2E#023	L2GA005	N2GL024
Ethylene	2.37	5.21	2.81	2.25	2.92	3.47	4.98
Acetylene	1.78	3.39	2.13	1.60	2.14	1.92	2.07
Ethane	9.50	9.52	6.05	4.55	4.67	5.08	4.49
Propylene	1.40	2.78	1.80	1.44	1.76	2.12	2.42
Propane	8.55	9.05	5.22	4.17	4.41	5.75	4.33
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	1.60	3.21	0.97	1.10	3.99	1.81	1.10
Isobutene/1-Butene	0.98	1.85	1.38	1.02	1.17	1.47	1.53
1,3-Butadiene	ND	0.41	0.19	0.16	0.24	0.27	0.18
n-Butane	3.57	10.46	2.63	3.17	2.88	5.76	2.45
trans-2-Butene	0.26	0.57	0.29	0.29	0.29	0.36	0.28
cis-2-Butene	0.38	0.70	0.42	0.46	0.44	0.61	0.29
3-Methyl-1-butene	ND	0.17	ND	ND	ND	0.19	ND
Isopentane	2.93	14.31	4.34	4.92	59.67	12.70	6.36
1-Pentene	0.30	0.57	0.42	0.37	6.64	0.74	0.82
2-Methyl-1-butene	0.14	0.65	0.29	ND	0.29	0.51	0.42
n-Pentane	1.50	5.69	2.49	2.18	60.34	4.81	2.52
Isoprene	0.41	0.53	0.28	0.29	0.52	2.15	2.02
trans-2-Pentene	0.33	0.86	0.44	0.41	0.50	0.66	0.53
cis-2-Pentene	0.33	0.66	0.45	0.38	0.45	0.55	0.50
2-Methyl-2-butene	0.16	0.81	0.31	0.29	0.46	0.47	ND
2,2-Dimethylbutane	0.64	1.48	0.74	0.69	1.63	1.19	0.86
Cyclopentene	ND	ND	ND	ND	ND	0.23	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.41	0.78	0.42	0.43	1.37	0.68	1.41
2,3-Dimethylbutane	0.67	1.72	0.84	0.78	1.42	1.30	0.65
2-Methylpentane	1.37	6.31	2.92	1.88	6.41	5.31	2.03
3-Methylpentane	0.88	4.61	1.60	1.51	4.66	3.03	1.55
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.59	0.72	0.65	0.63	0.63	0.80	2.24
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.94	8.44	2.19	1.50	3.86	4.57	1.19
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.61	2.67	1.02	0.81	2.25	1.82	0.73
2,4-Dimethylpentane	0.52	1.00	0.62	0.59	0.69	0.93	0.66
Benzene	1.44	3.95	2.07	1.86	2.20	2.74	2.16
Cyclohexane	0.59	0.87	0.57	0.58	3.47	0.72	0.46
2-Methylhexane	1.08	2.22	1.31	0.59	1.34	1.89	1.32
2,3-Dimethylpentane	0.82	1.82	1.26	0.76	1.21	1.58	1.18
3-Methylhexane	0.86	1.73	1.05	1.41	1.76	2.20	1.45
1-Heptene	ND	ND	0.24	0.18	ND	0.27	0.52
2,2,4-Trimethylpentane	0.80	2.69	1.14	0.98	1.52	1.96	1.42
n-Heptane	0.63	1.39	0.89	0.79	1.12	1.37	1.07
Methylcyclohexane	1.19	1.38	0.67	0.57	0.70	1.13	0.55
2,2,3-Trimethylpentane	ND	0.50	ND	ND	0.19	0.32	0.76
2,3,4-Trimethylpentane	0.36	1.06	0.56	0.46	0.70	0.73	0.72
Toluene	2.59	8.64	3.91	3.41	15.28	6.15	5.68
2-Methylheptane	0.25	0.78	0.40	0.34	0.44	0.51	0.21
3-Methylheptane	0.32	0.68	0.47	0.37	1.04	0.59	0.43
1-Octene	ND	ND	0.17	ND	ND	0.23	ND
n-Octane	0.31	0.67	0.56	0.40	0.72	0.80	0.68
Ethylbenzene	1.65	3.50	4.02	2.21	2.25	2.69	4.39
m-Xylene/p-Xylene	2.49	5.03	3.85	3.56	5.20	4.50	5.24
Styrene	0.87	2.77	1.11	0.85	2.35	1.39	0.48
o-Xylene	1.66	3.74	2.55	1.36	3.12	2.51	2.86
1-Nonene	ND	ND	ND	ND	ND	ND	ND
n-Nonane	0.28	0.59	0.52	0.47	0.73	0.54	0.58
Isopropylbenzene	0.28	0.62	0.66	0.33	0.32	0.35	0.52
a-Pinene	2.88	9.37	0.59	0.59	0.53	ND	0.61
n-Propylbenzene	ND	0.76	0.84	0.29	0.61	0.37	0.42
m-Ethyltoluene	0.57	2.69	2.13	0.80	1.41	1.09	0.73
p-Ethyltoluene	0.28	1.31	1.04	0.49	0.92	0.67	0.48
1,3,5-Trimethylbenzene	0.20	1.65	1.07	0.29	0.85	0.61	0.33
o-Ethyltoluene	ND	1.02	0.81	0.41	0.61	0.52	0.39
b-Pinene	ND	0.63	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.52	5.07	1.86	0.99	1.72	1.56	3.57
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.50	0.85	0.64	0.65	86.83	0.56	1.16
1,2,3-Trimethylbenzene	0.20	0.75	0.60	0.29	0.46	0.37	0.18
m-Diethylbenzene	0.22	0.64	0.33	0.33	0.50	0.45	0.18
p-Diethylbenzene	0.59	0.84	0.64	0.87	0.61	0.98	ND
1-Undecene	ND	ND	ND	ND	ND	0.16	ND
n-Undecane	1.63	2.41	1.33	1.53	257.12	1.51	0.70
1-Dodecene	0.15	ND	ND	0.21	ND	0.14	ND
n-Dodecane	1.12	1.80	0.64	2.24	126.33	0.64	0.44
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	0.25	0.56	ND	0.83	7.03	0.17	ND
TNMOC (speciated)	70.68	174.07	84.40	70.13	707.87	116.19	90.45
TNMOC (w/ unknowns)	258.72	328.24	191.36	165.62	825.74	275.43	420.84

Des Moines, Iowa (DMIA) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	DMIA 28308 D1	DMIA 28309 D2
Sampling Date:	6/25/2002	6/25/2002
Analysis Date:		
Filename:	VOID	VOID

Ethylene		
Acetylene		
Ethane		
Propylene		
Propane		
Propyne		
Isobutane		
Isobutene/1-Butene		
1,3-Butadiene		
n-Butane		
trans-2-Butene		
cis-2-Butene		
3-Methyl-1-butene		
Isopentane		
1-Pentene		
2-Methyl-1-butene		
n-Pentane		
Isoprene		
trans-2-Pentene		
cis-2-Pentene		
2-Methyl-2-butene		
2,2-Dimethylbutane		
Cyclopentene		
4-Methyl-1-pentene		
Cyclopentane		
2,3-Dimethylbutane		
2-Methylpentane		
3-Methylpentane		
2-Methyl-1-pentene		
1-Hexene		
2-Ethyl-1-butene		
n-Hexane		
trans-2-Hexene		
cis-2-Hexene		
Methylcyclopentane		
2,4-Dimethylpentane		
Benzene		
Cyclohexane		
2-Methylhexane		
2,3-Dimethylpentane		
3-Methylhexane		
1-Heptene		
2,2,4-Trimethylpentane		
n-Heptane		
Methylcyclohexane		
2,2,3-Trimethylpentane		
2,3,4-Trimethylpentane		
Toluene		
2-Methylheptane		
3-Methylheptane		
1-Octene		
n-Octane		
Ethylbenzene		
m-Xylene/p-Xylene		
Styrene		
o-Xylene		
1-Nonene		
n-Nonane		
Isopropylbenzene		
a-Pinene		
n-Propylbenzene		
m-Ethyltoluene		
p-Ethyltoluene		
1,3,5-Trimethylbenzene		
o-Ethyltoluene		
b-Pinene		
1,2,4-Trimethylbenzene		
1-Decene		
n-Decane		
1,2,3-Trimethylbenzene		
m-Diethylbenzene		
p-Diethylbenzene		
1-Undecene		
n-Undecane		
1-Dodecene		
n-Dodecane		
1-Tridecene		
n-Tridecane		

TNMOC (speciated)
TNMOC (w/ unknowns)

Des Moines, Iowa (DMIA) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ppbV)

Sample No.:	DMIA 25320		DMIA 25549		DMIA 25795		DMIA 26053 D1		DMIA 26055 D2		DMIA 26265		DMIA 26403	
Sampling Date:	1/20/2002		2/1/2002		2/13/2002		2/25/2002		2/25/2002		3/9/2002		3/21/2002	
Analysis Date:	1/29/2002		2/27/2002		3/1/2002		3/6/2002		3/6/2002		3/20/2002		3/28/2002	
Filename:	L2A#007		L2BZ020		L2B1020		L2CE025		L2CE026		L2CT007		L2C-012	
Ethylene	3.49		2.42		3.51		1.29		1.18		0.93		0.91	
Acetylene	1.73		2.20		3.77		1.12		1.10		0.97		0.90	
Ethane	6.02		7.03		6.74		4.54		3.61		3.69		3.37	
Propylene	0.56		0.66		0.87		0.61		0.47		0.45		0.50	
Propane	3.24		3.55		3.68		2.72		1.99		2.31		1.90	
Propyne	ND		ND		ND		ND		ND		ND		ND	
Isobutane	0.71		0.63		0.89		0.68		0.37		0.37		0.30	
Isobutene/1-Butene	0.21		0.35		0.49		0.38		0.30		0.26		0.26	
1,3-Butadiene	0.06	U	0.06	U	0.11		0.06	U	0.04	U	ND		ND	
n-Butane	1.89		2.02		3.07		1.29		1.01		0.98		0.71	
trans-2-Butene	0.07		0.25		0.14		0.09		0.08		0.07		0.07	
cis-2-Butene	0.10		0.14		0.17		0.14		0.12		0.09		0.10	
3-Methyl-1-butene	ND		ND		ND		ND		ND		ND		ND	
Isopentane	1.05		1.27		1.73		1.24		0.57		0.47		0.48	
1-Pentene	0.05		0.07		0.08		0.11		0.09		0.05		0.07	
2-Methyl-1-butene	0.04	U	0.05		0.10		0.04	U	0.04	U	ND		0.03	U
n-Pentane	0.60		0.56		0.72		1.84		0.32		0.28		0.29	
Isoprene	0.07		0.09		0.13		0.21		0.10		0.05		0.06	
trans-2-Pentene	0.07		0.10		0.14		0.09		0.08		0.06		0.06	
cis-2-Pentene	0.06		0.10		0.09		0.09		0.09		0.07		0.07	
2-Methyl-2-butene	0.05		0.08		0.13		0.07		0.04	U	ND		ND	
2,2-Dimethylbutane	0.11		0.16		0.17		0.13		0.13		0.09		0.10	
Cyclopentene	ND		0.07		ND		ND		ND		ND		0.06	
4-Methyl-1-pentene	ND		ND		ND		ND		ND		ND		ND	
Cyclopentane	0.10		0.09		0.11		0.24		0.07		0.08		0.08	
2,3-Dimethylbutane	0.13		0.18		0.18		0.14		0.13		0.10		0.10	
2-Methylpentane	0.38		0.50		0.57		0.35		0.25		0.17		0.15	
3-Methylpentane	0.21		0.27		0.29		0.23		0.17		0.15		0.15	
2-Methyl-1-pentene	ND		ND		ND		ND		ND		ND		ND	
1-Hexene	0.08		0.10		0.09		0.16		0.15		0.09		0.11	
2-Ethyl-1-butene	ND		ND		ND		ND		ND		ND		ND	
n-Hexane	0.25		0.28		0.32		0.44		0.19		0.15		0.14	
trans-2-Hexene	ND		ND		ND		ND		ND		ND		ND	
cis-2-Hexene	ND		ND		ND		ND		ND		ND		ND	
Methylcyclopentane	0.14		0.17		0.18		0.17		0.10		0.10		0.09	
2,4-Dimethylpentane	0.08		0.10		0.11		0.10		0.10		0.07		0.07	
Benzene	0.37		0.52		0.61		0.42		0.40		0.29		0.27	
Cyclohexane	0.12		0.15		0.16		0.28		0.12		0.07		0.10	
2-Methylhexane	0.20		0.24		0.23		0.27		0.20		0.18		0.14	
2,3-Dimethylpentane	0.14		0.17		0.24		0.16		0.14		0.13		0.14	
3-Methylhexane	0.15		0.14		0.20		0.16		0.08		0.07		0.13	
1-Heptene	0.03	U	0.03	U	ND		0.07		0.04		ND		0.02	U
2,2,4-Trimethylpentane	0.12		0.18		0.24		0.14		0.12		0.09		0.09	
n-Heptane	0.10		0.14		0.13		0.17		0.09		0.07		0.07	
Methylcyclohexane	0.11		0.14		0.13		0.12		0.10		0.09		0.07	
2,2,3-Trimethylpentane	ND		0.03	U	ND		ND		ND		ND		ND	
2,3,4-Trimethylpentane	0.06		0.08		0.10		0.14		0.06		0.05		0.04	
Toluene	0.37		0.81		1.08		1.96		0.60		0.24		0.28	
2-Methylheptane	0.05		0.04		0.06		0.04		0.04		0.03	U	0.04	
3-Methylheptane	0.04		0.05		0.06		0.05		0.04		0.03		0.03	
1-Octene	ND		ND		ND		0.05		0.04		ND		ND	
n-Octane	0.05		0.07		0.06		0.09		0.06		0.04		0.03	
Ethylbenzene	0.07		0.44		0.10		0.33		0.33		0.05		0.05	
m-Xylene/p-Xylene	0.39		0.71		0.89		0.39		0.36		0.15		0.17	
Styrene	0.15		0.10		ND		0.27		0.18		0.22		0.15	
o-Xylene	0.22		0.33		0.31		0.32		0.27		0.12		0.08	
1-Nonene	ND		ND		ND		0.03	U	0.02	U	ND		0.08	
n-Nonane	0.04		0.04		0.05		0.08		0.05		0.02		0.03	
Isopropylbenzene	0.03	U	0.03	U	ND		0.04		0.05		0.03	U	0.03	U
a-Pinene	0.05		0.22		0.19		0.56		0.11		0.88		ND	
n-Propylbenzene	0.04		0.03	U	0.04		0.04		0.05		ND		ND	
m-Ethyltoluene	0.09		0.09		0.21		0.19		0.23		0.07		0.09	
p-Ethyltoluene	0.05		0.05		0.05		0.06		0.05		0.03	U	0.03	U
1,3,5-Trimethylbenzene	0.03		0.03		0.04		0.04		0.03		0.02	U	ND	
o-Ethyltoluene	0.03	U	0.04		ND		ND		0.05		ND		ND	
b-Pinene	0.07		ND		ND		0.02	U	ND		ND		ND	
1,2,4-Trimethylbenzene	0.10		0.10		0.14		0.11		0.10		0.06		0.05	
1-Decene	ND		ND		ND		ND		ND		ND		ND	
n-Decane	0.05		0.05		0.07		0.27		0.06		0.03		0.04	
1,2,3-Trimethylbenzene	0.03		0.04		ND		0.03		0.04		0.02		ND	
m-Diethylbenzene	0.06		0.06		0.04		0.07		0.03		0.07		0.01	U
p-Diethylbenzene	0.16		0.06		0.05		0.08		0.04		0.11		0.03	
1-Undecene	ND		ND		ND		ND		ND		ND		ND	
n-Undecane	0.14		0.16		0.17		0.92		0.16		0.18		0.09	
1-Dodecene	ND		ND		ND		0.01	U	ND		ND		ND	
n-Dodecane	0.06		0.11		0.11		0.80		0.21		0.23		0.04	U
1-Tridecene	ND		ND		ND		ND		ND		ND		ND	
n-Tridecane	ND		0.03	U	0.01	U	0.20		0.07		0.10		ND	
TNMOc (speciated) in ppbv	25.28		29.05		34.37		27.57		17.50		15.67		13.52	
TNMOc (w/ unknowns) in ppbC	202.26		232.36		226.72		292.39		170.81		173.42		132.56	

U Under detection limit.

Des Moines, Iowa (DMIA) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ppbV)

Sample No.:	DMIA 26611	DMIA 26853	DMIA 27103	DMIA 27427	DMIA 27705	DMIA 27840	DMIA 28008
Sampling Date:	4/2/2002	4/14/2002	4/26/2002	5/8/2002	5/20/2002	6/1/2002	6/13/2002
Analysis Date:	4/6/2002	4/26/2002	5/3/2002	5/14/2002	5/30/2002	7/1/2002	7/13/2002
Filename:	L2DE020	L2DZ012	L2EC007	L2EN007	L2E#023	L2GA005	N2GL024
Ethylene	1.18	2.60	1.41	1.12	1.46	1.74	2.49
Acetylene	0.89	1.69	1.07	0.80	1.07	0.96	1.03
Ethane	4.75	4.76	3.03	2.28	2.33	2.54	2.24
Propylene	0.47	0.93	0.60	0.48	0.59	0.71	0.81
Propane	2.85	3.02	1.74	1.39	1.47	1.92	1.44
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.40	0.80	0.24	0.28	1.00	0.45	0.27
Isobutene/1-Butene	0.25	0.46	0.35	0.26	0.29	0.37	0.38
1,3-Butadiene	ND	0.10	0.05	0.04	0.06	0.07	0.04
n-Butane	0.89	2.61	0.66	0.79	0.72	1.44	0.61
trans-2-Butene	0.06	0.14	0.07	0.07	0.07	0.09	0.07
cis-2-Butene	0.10	0.17	0.11	0.12	0.11	0.15	0.07
3-Methyl-1-butene	ND	0.03	ND	ND	ND	0.04	ND
Isopentane	0.59	2.86	0.87	0.98	11.93	2.54	1.27
1-Pentene	0.06	0.11	0.08	0.07	1.33	0.15	0.16
2-Methyl-1-butene	0.03	0.13	0.06	ND	0.06	0.10	0.08
n-Pentane	0.30	1.14	0.50	0.44	12.07	0.96	0.50
Isoprene	0.08	0.11	0.06	0.06	0.10	0.43	0.40
trans-2-Pentene	0.07	0.17	0.09	0.08	0.10	0.13	0.11
cis-2-Pentene	0.07	0.13	0.09	0.08	0.09	0.11	0.10
2-Methyl-2-butene	0.03	0.16	0.06	0.06	0.09	0.09	ND
2,2-Dimethylbutane	0.11	0.25	0.12	0.11	0.27	0.20	0.14
Cyclopentene	ND	ND	ND	ND	ND	0.05	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.08	0.16	0.08	0.09	0.27	0.14	0.28
2,3-Dimethylbutane	0.11	0.29	0.14	0.13	0.24	0.22	0.11
2-Methylpentane	0.23	1.05	0.49	0.31	1.07	0.88	0.34
3-Methylpentane	0.15	0.77	0.27	0.25	0.78	0.51	0.26
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.10	0.12	0.11	0.11	0.10	0.13	0.37
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.16	1.41	0.36	0.25	0.64	0.76	0.20
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.10	0.44	0.17	0.13	0.38	0.30	0.12
2,4-Dimethylpentane	0.07	0.14	0.09	0.08	0.10	0.13	0.09
Benzene	0.24	0.66	0.34	0.31	0.37	0.46	0.36
Cyclohexane	0.10	0.14	0.09	0.10	0.58	0.12	0.08
2-Methylhexane	0.15	0.32	0.19	0.08	0.19	0.27	0.19
2,3-Dimethylpentane	0.12	0.26	0.18	0.11	0.17	0.23	0.17
3-Methylhexane	0.12	0.25	0.15	0.20	0.25	0.31	0.21
1-Heptene	ND	ND	0.03	0.03	ND	0.04	0.07
2,2,4-Trimethylpentane	0.10	0.34	0.14	0.12	0.19	0.24	0.18
n-Heptane	0.09	0.20	0.13	0.11	0.16	0.20	0.15
Methylcyclohexane	0.17	0.20	0.10	0.08	0.10	0.16	0.08
2,2,3-Trimethylpentane	ND	0.06	ND	ND	0.02	0.04	0.10
2,3,4-Trimethylpentane	0.04	0.13	0.07	0.06	0.09	0.09	0.09
Toluene	0.37	1.23	0.56	0.49	2.18	0.88	0.81
2-Methylheptane	0.03	0.10	0.05	0.04	0.06	0.06	0.03
3-Methylheptane	0.04	0.09	0.06	0.05	0.13	0.07	0.05
1-Octene	ND	ND	0.02	ND	ND	0.03	ND
n-Octane	0.04	0.08	0.07	0.05	0.09	0.10	0.09
Ethylbenzene	0.21	0.44	0.50	0.28	0.28	0.34	0.55
m-Xylene/p-Xylene	0.31	0.63	0.48	0.44	0.65	0.56	0.65
Styrene	0.11	0.35	0.14	0.11	0.29	0.17	0.06
o-Xylene	0.21	0.47	0.32	0.17	0.39	0.31	0.36
1-Nonene	ND	ND	ND	ND	ND	ND	ND
n-Nonane	0.03	0.07	0.06	0.05	0.08	0.06	0.06
Isopropylbenzene	0.03	0.07	0.07	0.04	0.04	0.04	0.06
a-Pinene	0.29	0.94	0.06	0.06	0.05	ND	0.06
n-Propylbenzene	ND	0.08	0.09	0.03	0.07	0.04	0.05
m-Ethyltoluene	0.06	0.30	0.24	0.09	0.16	0.12	0.08
p-Ethyltoluene	0.03	0.15	0.12	0.05	0.10	0.07	0.05
1,3,5-Trimethylbenzene	0.02	0.18	0.12	0.03	0.09	0.07	0.04
o-Ethyltoluene	ND	0.11	0.09	0.05	0.07	0.06	0.04
b-Pinene	ND	0.06	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.06	0.56	0.21	0.11	0.19	0.17	0.40
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.05	0.08	0.06	0.07	8.68	0.06	0.12
1,2,3-Trimethylbenzene	0.02	0.08	0.07	0.03	0.05	0.04	0.02
m-Diethylbenzene	0.02	0.06	0.03	0.03	0.05	0.05	0.02
p-Diethylbenzene	0.06	0.08	0.06	0.09	0.06	0.10	ND
1-Undecene	ND	ND	ND	ND	ND	0.01	ND
n-Undecane	0.15	0.22	0.12	0.14	23.37	0.14	0.06
1-Dodecene	0.01	ND	ND	0.02	ND	0.01	ND
n-Dodecane	0.09	0.15	0.05	0.19	10.53	0.05	0.04
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	0.02	0.04	ND	0.06	0.54	0.01	ND
TNMOC (speciated) in ppbv	17.56	35.96	18.02	14.81	89.13	24.09	19.38
TNMOC (w/ unknowns) in ppbC	258.72	328.24	191.36	165.62	825.74	275.43	420.84

U Under detection limit.

Des Moines, Iowa (DMIA) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbV)

Sample No.:	DMIA 28308 D1	DMIA 28309 D2
Sampling Date:	6/25/2002	6/25/2002
Analysis Date:		
Filename:	VOID	VOID

Ethylene		
Acetylene		
Ethane		
Propylene		
Propane		
Propyne		
Isobutane		
Isobutene/1-Butene		
1,3-Butadiene		
n-Butane		
trans-2-Butene		
cis-2-Butene		
3-Methyl-1-butene		
Isopentane		
1-Pentene		
2-Methyl-1-butene		
n-Pentane		
Isoprene		
trans-2-Pentene		
cis-2-Pentene		
2-Methyl-2-butene		
2,2-Dimethylbutane		
Cyclopentene		
4-Methyl-1-pentene		
Cyclopentane		
2,3-Dimethylbutane		
2-Methylpentane		
3-Methylpentane		
2-Methyl-1-pentene		
1-Hexene		
2-Ethyl-1-butene		
n-Hexane		
trans-2-Hexene		
cis-2-Hexene		
Methylcyclopentane		
2,4-Dimethylpentane		
Benzene		
Cyclohexane		
2-Methylhexane		
2,3-Dimethylpentane		
3-Methylhexane		
1-Heptene		
2,2,4-Trimethylpentane		
n-Heptane		
Methylcyclohexane		
2,2,3-Trimethylpentane		
2,3,4-Trimethylpentane		
Toluene		
2-Methylheptane		
3-Methylheptane		
1-Octene		
n-Octane		
Ethylbenzene		
m-Xylene/p-Xylene		
Styrene		
o-Xylene		
1-Nonene		
n-Nonane		
Isopropylbenzene		
a-Pinene		
n-Propylbenzene		
m-Ethyltoluene		
p-Ethyltoluene		
1,3,5-Trimethylbenzene		
o-Ethyltoluene		
b-Pinene		
1,2,4-Trimethylbenzene		
1-Decene		
n-Decane		
1,2,3-Trimethylbenzene		
m-Diethylbenzene		
p-Diethylbenzene		
1-Undecene		
n-Undecane		
1-Dodecene		
n-Dodecane		
1-Tridecene		
n-Tridecane		

TNMOC (speciated) in ppbv
TNMOC (w/ unknowns) in ppbC

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(Reported in ug/m³)

Sample No.:	DMIA 25320	DMIA 25549	DMIA 25795	DMIA 26053 D1	DMIA 26055 D2	DMIA 26265	DMIA 26403
Sampling Date:	1/20/2002	2/1/2002	2/13/2002	2/25/2002	2/25/2002	3/9/2002	3/21/2002
Analysis Date:	1/29/2002	2/27/2002	3/1/2002	3/6/2002	3/6/2002	3/20/2002	3/28/2002
Filename:	L2A#007	L2BZ020	L2B1020	L2CE025	L2CE026	L2CT007	L2C-012
Ethylene	4.04	2.80	4.06	1.50	1.37	1.08	1.05
Acetylene	1.86	2.37	4.05	1.21	1.18	1.04	0.97
Ethane	7.46	8.72	8.35	5.63	4.48	4.57	4.18
Propylene	0.97	1.14	1.51	1.07	0.81	0.78	0.87
Propane	5.89	6.46	6.69	4.95	3.63	4.21	3.45
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	1.70	1.51	2.14	1.63	0.88	0.89	0.72
Isobutene/1-Butene	0.50	0.82	1.13	0.89	0.69	0.59	0.61
1,3-Butadiene	0.13	U	0.14	U	0.08	U	ND
n-Butane	4.53	4.83	7.36	3.09	2.43	2.34	1.71
trans-2-Butene	0.16	0.57	0.33	0.22	0.18	0.16	0.16
cis-2-Butene	0.23	0.33	0.40	0.31	0.28	0.21	0.23
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	3.13	3.79	5.14	3.69	1.71	1.39	1.44
1-Pentene	0.16	0.19	0.25	0.32	0.26	0.15	0.19
2-Methyl-1-butene	0.12	U	0.14	0.29	0.12	U	ND
n-Pentane	1.80	1.68	2.16	5.47	0.94	0.84	0.87
Isoprene	0.20	0.25	0.38	0.58	0.29	0.13	0.17
trans-2-Pentene	0.22	0.30	0.40	0.27	0.23	0.17	0.17
cis-2-Pentene	0.18	0.30	0.27	0.27	0.26	0.20	0.20
2-Methyl-2-butene	0.15	0.22	0.38	0.21	0.11	U	ND
2,2-Dimethylbutane	0.40	0.56	0.61	0.46	0.45	0.32	0.35
Cyclopentene	ND	0.20	ND	ND	ND	ND	0.17
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.29	0.25	0.33	0.70	0.21	0.23	0.24
2,3-Dimethylbutane	0.45	0.63	0.64	0.48	0.45	0.36	0.35
2-Methylpentane	1.35	1.79	2.02	1.23	0.90	0.61	0.52
3-Methylpentane	0.74	0.95	1.04	0.83	0.61	0.53	0.53
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.29	0.36	0.32	0.58	0.52	0.31	0.38
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.88	1.01	1.12	1.57	0.67	0.53	0.49
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.48	0.58	0.61	0.61	0.34	0.36	0.31
2,4-Dimethylpentane	0.29	0.36	0.40	0.36	0.36	0.25	0.24
Benzene	1.19	1.67	1.96	1.34	1.30	0.93	0.87
Cyclohexane	0.43	0.53	0.56	0.96	0.41	0.25	0.34
2-Methylhexane	0.82	0.99	0.96	1.13	0.81	0.74	0.57
2,3-Dimethylpentane	0.59	0.72	1.00	0.67	0.60	0.54	0.57
3-Methylhexane	0.61	0.60	0.84	0.65	0.35	0.30	0.54
1-Heptene	0.10	U	0.11	U	0.28	0.18	ND
2,2,4-Trimethylpentane	0.55	0.83	1.12	0.64	0.58	0.44	0.40
n-Heptane	0.40	0.60	0.53	0.71	0.38	0.31	0.28
Methylcyclohexane	0.46	0.56	0.54	0.48	0.39	0.38	0.29
2,2,3-Trimethylpentane	ND	0.13	U	ND	ND	ND	ND
2,3,4-Trimethylpentane	0.26	0.38	0.45	0.64	0.29	0.24	0.21
Toluene	1.42	3.09	4.12	7.46	2.28	0.91	1.07
2-Methylheptane	0.21	0.19	0.27	0.20	0.20	0.14	U
3-Methylheptane	0.17	0.25	0.30	0.23	0.19	0.14	0.13
1-Octene	ND	ND	ND	0.23	0.20	ND	ND
n-Octane	0.23	0.33	0.31	0.43	0.27	0.21	0.15
Ethylbenzene	0.32	2.10	0.49	1.60	1.57	0.25	0.22
m-Xylene/p-Xylene	1.69	3.11	3.88	1.71	1.57	0.65	0.72
Styrene	0.63	0.43	ND	1.15	0.76	0.96	0.65
o-Xylene	0.95	1.47	1.37	1.41	1.19	0.51	0.36
1-Nonene	ND	ND	ND	0.18	U	0.09	U
n-Nonane	0.19	0.24	0.27	0.41	0.29	0.13	0.14
Isopropylbenzene	0.15	U	0.15	U	0.18	0.23	0.13
a-Pinene	0.29	1.24	1.07	3.13	0.62	3.81	ND
n-Propylbenzene	0.19	0.13	U	0.18	0.20	0.25	ND
m-Ethyltoluene	0.42	0.45	1.05	0.96	1.15	0.36	0.47
p-Ethyltoluene	0.25	0.24	0.24	0.31	0.24	0.12	U
1,3,5-Trimethylbenzene	0.15	0.14	0.21	0.20	0.16	0.10	U
o-Ethyltoluene	0.15	U	0.19	ND	0.22	ND	ND
b-Pinene	0.37	ND	ND	0.12	U	ND	ND
1,2,4-Trimethylbenzene	0.49	0.47	0.68	0.57	0.48	0.32	0.23
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.28	0.26	0.41	1.57	0.37	0.16	0.22
1,2,3-Trimethylbenzene	0.13	0.20	ND	0.12	0.21	0.09	ND
m-Diethylbenzene	0.34	0.31	0.21	0.39	0.18	0.38	0.08
p-Diethylbenzene	0.86	0.31	0.30	0.42	0.22	0.60	0.16
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.90	1.01	1.11	5.94	1.06	1.16	0.59
1-Dodecene	ND	ND	ND	0.09	U	ND	ND
n-Dodecane	0.45	0.79	0.80	5.65	1.50	1.62	0.27
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	0.20	U	0.10	U	1.49	0.52
TNMOC (speciated) in ug/m ³	55.25	67.67	77.93	82.24	45.71	39.91	31.15
TNMOC (w/ unknowns) in ppbC	202.26	232.36	226.72	292.39	170.81	173.42	132.56

U Under detection limit.

Des Moines, Iowa (DMIA) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ug/m³)

Sample No.:	DMIA 26611	DMIA 26853	DMIA 27103	DMIA 27427	DMIA 27705	DMIA 27840	DMIA 28008
Sampling Date:	4/2/2002	4/14/2002	4/26/2002	5/8/2002	5/20/2002	6/1/2002	6/13/2002
Analysis Date:	4/6/2002	4/26/2002	5/3/2002	5/14/2002	5/30/2002	7/1/2002	7/13/2002
Filename:	L2DE020	L2DZ012	L2EC007	L2EN007	L2E#023	L2GA005	N2GL024
Ethylene	1.37	3.01	1.63	1.30	1.69	2.01	2.88
Acetylene	0.96	1.82	1.15	0.86	1.15	1.03	1.11
Ethane	5.89	5.91	3.75	2.82	2.90	3.15	2.78
Propylene	0.81	1.61	1.04	0.83	1.02	1.23	1.40
Propane	5.18	5.49	3.16	2.53	2.68	3.49	2.63
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.96	1.92	0.58	0.66	2.39	1.08	0.66
Isobutene/1-Butene	0.57	1.07	0.80	0.59	0.67	0.85	0.89
1,3-Butadiene	ND	0.23	0.10	0.09	0.13	0.15	0.10
n-Butane	2.14	6.27	1.58	1.90	1.73	3.45	1.47
trans-2-Butene	0.15	0.33	0.17	0.17	0.17	0.21	0.16
cis-2-Butene	0.22	0.40	0.24	0.27	0.25	0.35	0.17
3-Methyl-1-butene	ND	0.10	ND	ND	ND	0.11	ND
Isopentane	1.74	8.52	2.58	2.93	35.52	7.56	3.78
1-Pentene	0.17	0.33	0.24	0.22	3.84	0.43	0.47
2-Methyl-1-butene	0.08	0.37	0.16	ND	0.17	0.29	0.24
n-Pentane	0.90	3.38	1.48	1.30	35.92	2.87	1.50
Isoprene	0.23	0.30	0.16	0.16	0.29	1.21	1.14
trans-2-Pentene	0.20	0.51	0.26	0.24	0.30	0.39	0.32
cis-2-Pentene	0.20	0.39	0.27	0.23	0.27	0.32	0.30
2-Methyl-2-butene	0.09	0.47	0.18	0.17	0.26	0.27	ND
2,2-Dimethylbutane	0.38	0.88	0.44	0.41	0.96	0.71	0.51
Cyclopentene	ND	ND	ND	ND	ND	0.13	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.24	0.45	0.24	0.25	0.79	0.39	0.81
2,3-Dimethylbutane	0.40	1.02	0.50	0.46	0.84	0.77	0.39
2-Methylpentane	0.81	3.74	1.73	1.11	3.80	3.14	1.20
3-Methylpentane	0.52	2.73	0.95	0.90	2.76	1.80	0.92
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.35	0.42	0.39	0.38	0.37	0.48	1.33
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.56	5.00	1.30	0.89	2.29	2.70	0.71
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.35	1.54	0.59	0.47	1.30	1.05	0.42
2,4-Dimethylpentane	0.27	0.51	0.31	0.30	0.35	0.47	0.33
Benzene	0.78	2.12	1.11	1.00	1.18	1.47	1.16
Cyclohexane	0.34	0.50	0.33	0.34	2.01	0.42	0.27
2-Methylhexane	0.64	1.31	0.77	0.35	0.79	1.12	0.78
2,3-Dimethylpentane	0.48	1.07	0.74	0.45	0.71	0.93	0.70
3-Methylhexane	0.51	1.02	0.62	0.84	1.04	1.30	0.86
1-Heptene	ND	ND	0.14	0.10	ND	0.15	0.30
2,2,4-Trimethylpentane	0.47	1.58	0.67	0.58	0.90	1.15	0.84
n-Heptane	0.37	0.82	0.52	0.46	0.66	0.81	0.63
Methylcyclohexane	0.69	0.80	0.39	0.33	0.41	0.66	0.32
2,2,3-Trimethylpentane	ND	0.29	ND	ND	0.11	0.19	0.45
2,3,4-Trimethylpentane	0.21	0.62	0.33	0.27	0.41	0.43	0.42
Toluene	1.40	4.69	2.13	1.85	8.29	3.34	3.08
2-Methylheptane	0.15	0.46	0.23	0.20	0.26	0.30	0.12
3-Methylheptane	0.19	0.40	0.28	0.22	0.61	0.35	0.25
1-Octene	ND	ND	0.10	ND	ND	0.13	ND
n-Octane	0.18	0.39	0.33	0.23	0.43	0.47	0.40
Ethylbenzene	0.99	2.10	2.41	1.32	1.35	1.61	2.63
m-Xylene/p-Xylene	1.36	2.76	2.11	1.95	2.85	2.46	2.87
Styrene	0.46	1.49	0.60	0.45	1.26	0.75	0.26
o-Xylene	0.91	2.05	1.40	0.75	1.71	1.38	1.57
1-Nonene	ND	ND	ND	ND	ND	ND	ND
n-Nonane	0.16	0.35	0.31	0.28	0.43	0.32	0.34
Isopropylbenzene	0.15	0.34	0.36	0.18	0.18	0.19	0.29
a-Pinene	1.62	5.27	0.33	0.33	0.30	ND	0.34
n-Propylbenzene	ND	0.42	0.46	0.16	0.33	0.20	0.23
m-Ethyltoluene	0.31	1.48	1.17	0.44	0.78	0.60	0.40
p-Ethyltoluene	0.16	0.72	0.57	0.27	0.51	0.37	0.26
1,3,5-Trimethylbenzene	0.11	0.91	0.59	0.16	0.47	0.33	0.18
o-Ethyltoluene	ND	0.56	0.45	0.22	0.33	0.28	0.22
b-Pinene	ND	0.35	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.29	2.79	1.03	0.55	0.95	0.86	1.96
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.29	0.50	0.38	0.38	50.97	0.33	0.68
1,2,3-Trimethylbenzene	0.11	0.41	0.33	0.16	0.25	0.20	0.10
m-Diethylbenzene	0.12	0.35	0.18	0.18	0.28	0.25	0.10
p-Diethylbenzene	0.33	0.47	0.35	0.48	0.34	0.54	ND
1-Undecene	ND	ND	ND	ND	ND	0.09	ND
n-Undecane	0.95	1.42	0.78	0.90	150.73	0.88	0.41
1-Dodecene	0.09	ND	ND	0.12	ND	0.08	ND
n-Dodecane	0.66	1.05	0.38	1.31	73.98	0.37	0.26
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	0.14	0.33	ND	0.48	4.11	0.10	ND
TNMOC (speciated) in ug/m ³	41.36	100.93	48.86	40.71	414.73	67.53	52.29
TNMOC (w/ unknowns) in ppbC	258.72	328.24	191.36	165.62	825.74	275.43	420.84

U Under detection limit.

Des Moines, Iowa (DMIA) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ug/m³)

Sample No.:	DMIA 28308 D1	DMIA 28309 D2
Sampling Date:	6/25/2002	6/25/2002
Analysis Date:		
Filename:	VOID	VOID

Ethylene		
Acetylene		
Ethane		
Propylene		
Propane		
Propyne		
Isobutane		
Isobutene/1-Butene		
1,3-Butadiene		
n-Butane		
trans-2-Butene		
cis-2-Butene		
3-Methyl-1-butene		
Isopentane		
1-Pentene		
2-Methyl-1-butene		
n-Pentane		
Isoprene		
trans-2-Pentene		
cis-2-Pentene		
2-Methyl-2-butene		
2,2-Dimethylbutane		
Cyclopentene		
4-Methyl-1-pentene		
Cyclopentane		
2,3-Dimethylbutane		
2-Methylpentane		
3-Methylpentane		
2-Methyl-1-pentene		
1-Hexene		
2-Ethyl-1-butene		
n-Hexane		
trans-2-Hexene		
cis-2-Hexene		
Methylcyclopentane		
2,4-Dimethylpentane		
Benzene		
Cyclohexane		
2-Methylhexane		
2,3-Dimethylpentane		
3-Methylhexane		
1-Heptene		
2,2,4-Trimethylpentane		
n-Heptane		
Methylcyclohexane		
2,2,3-Trimethylpentane		
2,3,4-Trimethylpentane		
Toluene		
2-Methylheptane		
3-Methylheptane		
1-Octene		
n-Octane		
Ethylbenzene		
m-Xylene/p-Xylene		
Styrene		
o-Xylene		
1-Nonene		
n-Nonane		
Isopropylbenzene		
a-Pinene		
n-Propylbenzene		
m-Ethyltoluene		
p-Ethyltoluene		
1,3,5-Trimethylbenzene		
o-Ethyltoluene		
b-Pinene		
1,2,4-Trimethylbenzene		
1-Decene		
n-Decane		
1,2,3-Trimethylbenzene		
m-Diethylbenzene		
p-Diethylbenzene		
1-Undecene		
n-Undecane		
1-Dodecene		
n-Dodecane		
1-Tridecene		
n-Tridecane		

TNMOC (speciated) in ug/m³
 TNMOC (w/ unknowns) in ppbC

Detroit, Michigan E7 Mile (E7MI) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	E7MI 28867	E7MI 28868	E7MI 29068	E7MI 29175	E7MI 29224	E7MI 29327	E7MI 29502				
Sampling Date:	7/7/2002	7/13/2002	7/31/2002	8/6/2002	8/12/2002	8/18/2002	8/24/2002				
Analysis Date:	8/3/2002	8/7/2002	8/31/2002	9/1/2002	9/4/2002	9/5/2002	9/18/2002				
Filename:	L2HB023	L2HF014	L2H%006	L2H%018	L2IC022	L2IE006	L2IQ019				
Ethylene	14.69	26.08	7.30	2.25	5.03	2.52	5.48				
Acetylene	8.80	20.25	4.99	1.04	3.73	1.46	4.12				
Ethane	47.08	67.12	21.49	4.43	14.26	6.35	12.42				
Propylene	6.03	11.50	2.84	1.17	2.08	1.21	2.41				
Propane	23.27	20.74	7.34	2.74	7.32	3.33	7.69				
Propyne	ND	ND	ND	ND	ND	ND	ND				
Isobutane	9.36	12.81	2.62	0.98	2.81	1.23	3.11				
Isobutene/1-Butene	3.65	6.61	2.14	1.19	1.45	1.12	1.94				
1,3-Butadiene	1.00	2.07	0.38	ND	0.28	0.15	U	0.38			
n-Butane	17.28	23.88	5.77	1.56	5.89	2.49	5.56				
trans-2-Butene	1.04	1.57	0.32	0.29	0.34	0.36	0.58				
cis-2-Butene	1.27	1.87	0.57	0.47	0.53	0.45	0.62				
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND				
Isopentane	47.03	62.08	18.86	2.42	13.09	5.09	12.13				
1-Pentene	1.58	2.86	0.77	0.40	0.61	0.49	0.81				
2-Methyl-1-butene	2.55	4.54	1.03	0.50	0.61	0.26	0.60				
n-Pentane	15.27	24.74	5.50	1.45	5.58	2.05	5.26				
Isoprene	2.17	2.66	1.26	1.24	0.86	0.53	0.71				
trans-2-Pentene	3.10	4.70	0.80	0.42	0.64	0.40	0.87				
cis-2-Pentene	1.97	2.92	0.59	0.46	0.58	0.44	0.71				
2-Methyl-2-butene	3.50	5.42	0.50	0.40	0.35	0.20	U	0.51			
2,2-Dimethylbutane	3.47	4.67	1.34	0.63	1.38	0.74	1.35				
Cyclopentene	ND	ND	ND	ND	ND	0.18	U	ND			
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND				
Cyclopentane	1.87	2.75	0.74	0.41	0.79	0.34	0.81				
2,3-Dimethylbutane	5.83	8.99	1.82	0.78	1.72	0.93	1.65				
2-Methylpentane	15.12	22.74	6.64	2.15	5.11	2.42	4.43				
3-Methylpentane	9.19	13.91	3.29	0.95	3.15	1.28	2.87				
2-Methyl-1-pentene	0.57	0.74	ND	ND	ND	ND	ND				
1-Hexene	1.46	1.78	0.82	0.51	0.70	0.67	0.77				
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND				
n-Hexane	8.24	12.84	3.10	0.84	3.64	1.22	2.59				
trans-2-Hexene	0.73	0.99	ND	ND	ND	ND	ND				
cis-2-Hexene	0.46	0.56	ND	ND	ND	ND	ND				
Methylcyclopentane	5.66	8.80	2.61	0.70	1.95	0.87	1.73				
2,4-Dimethylpentane	2.62	4.11	0.99	0.54	0.93	0.64	0.88				
Benzene	11.14	16.75	4.44	1.72	3.88	2.46	4.05				
Cyclohexane	2.54	3.20	1.07	0.64	0.89	0.60	1.05				
2-Methylhexane	5.28	7.70	2.51	1.12	1.82	1.17	1.72				
2,3-Dimethylpentane	3.57	5.41	1.46	0.76	1.32	0.90	1.44				
3-Methylhexane	5.28	7.90	2.06	0.66	1.69	0.89	2.24				
1-Heptene	0.99	ND	0.41	ND	0.19	U	0.34	ND			
2,2,4-Trimethylpentane	6.82	12.56	2.62	1.02	2.40	1.14	2.46				
n-Heptane	3.54	5.50	1.39	0.44	1.13	0.55	1.18				
Methylcyclohexane	2.35	3.50	1.19	0.54	1.00	0.66	1.29				
2,2,3-Trimethylpentane	1.75	2.36	0.48	ND	0.40	ND	ND				
2,3,4-Trimethylpentane	2.90	4.77	1.36	0.41	0.89	0.47	0.80				
Toluene	26.72	41.75	9.94	2.75	8.81	3.54	8.69				
2-Methylheptane	1.78	2.49	0.99	0.27	0.60	0.35	0.65				
3-Methylheptane	2.03	2.76	1.36	0.46	0.75	0.39	0.73				
1-Octene	0.34	ND	0.33	ND	ND	ND	ND				
n-Octane	2.01	2.65	2.53	0.57	0.92	0.55	0.91				
Ethylbenzene	3.76	5.93	1.38	0.44	1.26	0.61	1.21				
m-Xylene/p-Xylene	11.59	18.51	4.71	1.10	3.94	1.28	3.92				
Styrene	0.60	0.85	5.04	ND	0.44	0.16	0.43				
o-Xylene	4.61	7.22	2.02	0.59	1.55	0.69	1.47				
1-Nonene	0.27	U	0.37	ND	ND	ND	ND				
n-Nonane	1.21	1.81	1.98	0.35	0.83	0.39	0.72				
Isopropylbenzene	0.67	0.81	0.43	0.28	U	0.31	0.36	0.45			
α-Pinene	1.71	ND	ND	0.57	1.08	0.64	ND				
n-Propylbenzene	1.32	1.93	0.72	0.26	U	0.53	0.37	0.42			
m-Ethyltoluene	3.70	6.18	1.68	0.47	1.34	0.61	1.24				
p-Ethyltoluene	1.99	3.22	1.05	0.24	U	0.88	0.34	U	0.75		
1,3,5-Trimethylbenzene	2.78	4.51	1.35	0.57	0.95	0.61	0.95				
o-Ethyltoluene	2.60	3.64	1.58	0.63	1.27	0.72	1.21				
β-Pinene	1.18	1.08	4.85	0.83	0.93	0.97	0.54				
1,2,4-Trimethylbenzene	6.74	10.86	3.95	1.24	2.87	1.51	2.37				
1-Decene	ND	ND	ND	ND	ND	ND	ND				
n-Decane	2.26	3.49	3.57	0.61	1.46	0.93	0.99				
1,2,3-Trimethylbenzene	2.20	2.57	1.70	0.63	1.07	0.72	0.84				
m-Diethylbenzene	0.88	1.19	0.82	1.05	0.48	0.32	0.52				
p-Diethylbenzene	0.46	0.79	0.25	ND	0.30	0.19	0.25				
1-Undecene	0.64	0.21	U	ND	ND	ND	ND				
n-Undecane	1.92	2.52	2.50	0.69	1.40	2.64	0.90				
1-Dodecene	0.39	U	0.36	U	0.15	U	0.42	U	0.32	U	
n-Dodecane	1.71	1.32	1.55	0.59	U	1.32	2.57	0.98			
1-Tridecene	ND	ND	ND	0.32	U	0.53	U	0.63	U	0.37	U
n-Tridecane	0.20	U	ND	ND	ND	ND	ND				
TNMOC (speciated)	400.25	585.96	182.25	53.85	137.21	71.12	131.02				
TNMOC (w/ unknowns)	469.00	678.20	344.50	108.19	185.56	122.33	186.62				

Detroit, Michigan E7 Mile (E7MI) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ppbC)

Sample No.:	E7MI 29639
Sampling Date:	8/30/2002
Analysis Date:	9/23/2002
Filename:	L21W009

Ethylene	12.07	
Acetylene	7.35	
Ethane	21.11	
Propylene	5.37	
Propane	14.46	
Propyne	ND	
Isobutane	7.82	
Isobutene/1-Butene	3.31	
1,3-Butadiene	0.96	
n-Butane	12.15	
trans-2-Butene	0.88	
cis-2-Butene	0.67	
3-Methyl-1-butene	ND	
Isopentane	27.96	
1-Pentene	1.15	
2-Methyl-1-butene	1.36	
n-Pentane	11.97	
Isoprene	1.21	
trans-2-Pentene	1.51	
cis-2-Pentene	1.04	
2-Methyl-2-butene	1.39	
2,2-Dimethylbutane	2.38	
Cyclopentene	0.64	
4-Methyl-1-pentene	ND	
Cyclopentane	1.38	
2,3-Dimethylbutane	3.23	
2-Methylpentane	9.87	
3-Methylpentane	6.37	
2-Methyl-1-pentene	0.38	
1-Hexene	0.82	
2-Ethyl-1-butene	ND	
n-Hexane	6.39	
trans-2-Hexene	ND	
cis-2-Hexene	ND	
Methylcyclopentane	3.88	
2,4-Dimethylpentane	1.95	
Benzene	7.69	
Cyclohexane	0.30	
2-Methylhexane	3.16	
2,3-Dimethylpentane	2.58	
3-Methylhexane	4.92	
1-Heptene	0.55	
2,2,4-Trimethylpentane	5.61	
n-Heptane	2.40	
Methylcyclohexane	2.29	
2,2,3-Trimethylpentane	0.86	
2,3,4-Trimethylpentane	1.98	
Toluene	25.23	
2-Methylheptane	1.02	
3-Methylheptane	1.40	
1-Octene	0.22	U
n-Octane	1.92	
Ethylbenzene	2.92	
m-Xylene/p-Xylene	8.08	
Styrene	0.40	
o-Xylene	3.37	
1-Nonene	0.45	
n-Nonane	1.22	
Isopropylbenzene	0.55	
a-Pinene	1.31	
n-Propylbenzene	1.08	
m-Ethyltoluene	2.82	
p-Ethyltoluene	1.33	
1,3,5-Trimethylbenzene	2.16	
o-Ethyltoluene	2.15	
b-Pinene	2.11	
1,2,4-Trimethylbenzene	5.17	
1-Decene	ND	
n-Decane	2.64	
1,2,3-Trimethylbenzene	2.59	
m-Diethylbenzene	0.82	
p-Diethylbenzene	0.39	
1-Undecene	ND	
n-Undecane	2.91	
1-Dodecene	0.52	U
n-Dodecane	2.11	
1-Tridecene	0.72	U
n-Tridecane	0.19	U
TNMOC (speciated)	281.16	
TNMOC (w/ unknowns)	365.38	

Detroit, Michigan E7 Mile (E7MI) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbV)

Sample No.:	E7MI 28867	E7MI 28868	E7MI 29068	E7MI 29175	E7MI 29224	E7MI 29327	E7MI 29502				
Sampling Date:	7/7/2002	7/13/2002	7/31/2002	8/6/2002	8/12/2002	8/18/2002	8/24/2002				
Analysis Date:	8/3/2002	8/7/2002	8/31/2002	9/1/2002	9/4/2002	9/5/2002	9/18/2002				
Filename:	L2HB023	L2HF014	L2H%006	L2H%018	L2IC022	L2IE006	L2IQ019				
Ethylene	7.35	13.04	3.65	1.13	2.52	1.26	2.74				
Acetylene	4.40	10.12	2.49	0.52	1.87	0.73	2.06				
Ethane	23.54	33.56	10.75	2.21	7.13	3.17	6.21				
Propylene	2.01	3.83	0.95	0.39	0.69	0.40	0.80				
Propane	7.76	6.91	2.45	0.91	2.44	1.11	2.56				
Propyne	ND	ND	ND	ND	ND	ND	ND				
Isobutane	2.34	3.20	0.65	0.25	0.70	0.31	0.78				
Isobutene/1-Butene	0.91	1.65	0.54	0.30	0.36	0.28	0.49				
1,3-Butadiene	0.25	0.52	0.10	ND	0.07	0.04	U	0.09			
n-Butane	4.32	5.97	1.44	0.39	1.47	0.62		1.39			
trans-2-Butene	0.26	0.39	0.08	0.07	0.08	0.09		0.15			
cis-2-Butene	0.32	0.47	0.14	0.12	0.13	0.11		0.16			
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND		ND			
Isopentane	9.41	12.42	3.77	0.48	2.62	1.02		2.43			
1-Pentene	0.32	0.57	0.15	0.08	0.12	0.10		0.16			
2-Methyl-1-butene	0.51	0.91	0.21	0.10	0.12	0.05		0.12			
n-Pentane	3.05	4.95	1.10	0.29	1.12	0.41		1.05			
Isoprene	0.43	0.53	0.25	0.25	0.17	0.11		0.14			
trans-2-Pentene	0.62	0.94	0.16	0.08	0.13	0.08		0.17			
cis-2-Pentene	0.39	0.58	0.12	0.09	0.12	0.09		0.14			
2-Methyl-2-butene	0.70	1.08	0.10	0.08	0.07	0.04	U	0.10			
2,2-Dimethylbutane	0.58	0.78	0.22	0.10	0.23	0.12		0.22			
Cyclopentene	ND	ND	ND	ND	ND	0.04	U	ND			
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND		ND			
Cyclopentane	0.37	0.55	0.15	0.08	0.16	0.07		0.16			
2,3-Dimethylbutane	0.97	1.50	0.30	0.13	0.29	0.15		0.28			
2-Methylpentane	2.52	3.79	1.11	0.36	0.85	0.40		0.74			
3-Methylpentane	1.53	2.32	0.55	0.16	0.53	0.21		0.48			
2-Methyl-1-pentene	0.10	0.12	ND	ND	ND	ND		ND			
1-Hexene	0.24	0.30	0.14	0.08	0.12	0.11		0.13			
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND		ND			
n-Hexane	1.37	2.14	0.52	0.14	0.61	0.20		0.43			
trans-2-Hexene	0.12	0.17	ND	ND	ND	ND		ND			
cis-2-Hexene	0.08	0.09	ND	ND	ND	ND		ND			
Methylcyclopentane	0.94	1.47	0.43	0.12	0.32	0.14		0.29			
2,4-Dimethylpentane	0.37	0.59	0.14	0.08	0.13	0.09		0.13			
Benzene	1.86	2.79	0.74	0.29	0.65	0.41		0.68			
Cyclohexane	0.42	0.53	0.18	0.11	0.15	0.10		0.18			
2-Methylhexane	0.75	1.10	0.36	0.16	0.26	0.17		0.25			
2,3-Dimethylpentane	0.51	0.77	0.21	0.11	0.19	0.13		0.21			
3-Methylhexane	0.75	1.13	0.29	0.09	0.24	0.13		0.32			
1-Heptene	0.14	ND	0.06	ND	0.03	U	0.05	ND			
2,2,4-Trimethylpentane	0.85	1.57	0.33	0.13	0.30		0.14	0.31			
n-Heptane	0.51	0.79	0.20	0.06	0.16	0.08		0.17			
Methylcyclohexane	0.34	0.50	0.17	0.08	0.14	0.09		0.18			
2,2,3-Trimethylpentane	0.22	0.30	0.06	ND	0.05	ND		ND			
2,3,4-Trimethylpentane	0.36	0.60	0.17	0.05	0.11	0.06		0.10			
Toluene	3.82	5.96	1.42	0.39	1.26	0.51		1.24			
2-Methylheptane	0.22	0.31	0.12	0.03	0.07	0.04		0.08			
3-Methylheptane	0.25	0.34	0.17	0.06	0.09	0.05		0.09			
1-Octene	0.04	ND	0.04	ND	ND	ND		ND			
n-Octane	0.25	0.33	0.32	0.07	0.12	0.07		0.11			
Ethylbenzene	0.47	0.74	0.17	0.05	0.16	0.08		0.15			
m-Xylene/p-Xylene	1.45	2.31	0.59	0.14	0.49	0.16		0.49			
Styrene	0.08	0.11	0.63	ND	0.05	0.02		0.05			
o-Xylene	0.58	0.90	0.25	0.07	0.19	0.09		0.18			
1-Nonene	0.03	U	0.04	ND	ND	ND		ND			
n-Nonane	0.13	0.20	0.22	0.04	0.09	0.04		0.08			
Isopropylbenzene	0.07	0.09	0.05	0.03	U	0.03		0.05			
α-Pinene	0.17	ND	ND	0.06	0.11	0.06		ND			
n-Propylbenzene	0.15	0.21	0.08	0.03	U	0.06		0.05			
m-Ethyltoluene	0.41	0.69	0.19	0.05	0.15	0.07		0.14			
p-Ethyltoluene	0.22	0.36	0.12	0.03	U	0.10	U	0.08			
1,3,5-Trimethylbenzene	0.31	0.50	0.15	0.06	0.11	0.07		0.11			
o-Ethyltoluene	0.29	0.40	0.18	0.07	0.14	0.08		0.13			
β-Pinene	0.12	0.11	0.49	0.08	0.09	0.10		0.05			
1,2,4-Trimethylbenzene	0.75	1.21	0.44	0.14	0.32	0.17		0.26			
1-Decene	ND	ND	ND	ND	ND	ND		ND			
n-Decane	0.23	0.35	0.36	0.06	0.15	0.09		0.10			
1,2,3-Trimethylbenzene	0.24	0.29	0.19	0.07	0.12	0.08		0.09			
m-Diethylbenzene	0.09	0.12	0.08	0.10	0.05	0.03		0.05			
p-Diethylbenzene	0.05	0.08	0.03	ND	0.03	0.02		0.03			
1-Undecene	0.06	0.02	U	ND	ND	ND		ND			
n-Undecane	0.17	0.23	0.23	0.06	0.13	0.24		0.08			
1-Dodecene	0.03	U	0.03	U	0.01	U	0.04	U	0.03	U	
n-Dodecane	0.14	0.11	0.13	0.05	U	0.11	0.21		0.08		
1-Tridecene	ND	ND	ND	0.02	U	0.04	U	0.05	U	0.03	U
n-Tridecane	0.02	U	ND	ND	ND	ND	ND		ND		
TNMOC (speciated) in ppbv	95.64	141.59	42.09	11.86	31.73	15.40		30.83			
TNMOC (w/ unknowns) in ppbC	469.00	678.20	344.50	108.19	185.56	122.33		186.62			

U Under detection limit.

Detroit, Michigan E7 Mile (E7MI) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ppbV)

Sample No.:	E7MI 29639
Sampling Date:	8/30/2002
Analysis Date:	9/23/2002
Filename:	L21W009

Ethylene	6.03	
Acetylene	3.67	
Ethane	10.56	
Propylene	1.79	
Propane	4.82	
Propyne	ND	
Isobutane	1.96	
Isobutene/1-Butene	0.83	
1,3-Butadiene	0.24	
n-Butane	3.04	
trans-2-Butene	0.22	
cis-2-Butene	0.17	
3-Methyl-1-butene	ND	
Isopentane	5.59	
1-Pentene	0.23	
2-Methyl-1-butene	0.27	
n-Pentane	2.39	
Isoprene	0.24	
trans-2-Pentene	0.30	
cis-2-Pentene	0.21	
2-Methyl-2-butene	0.28	
2,2-Dimethylbutane	0.40	
Cyclopentene	0.13	
4-Methyl-1-pentene	ND	
Cyclopentane	0.28	
2,3-Dimethylbutane	0.54	
2-Methylpentane	1.65	
3-Methylpentane	1.06	
2-Methyl-1-pentene	0.06	
1-Hexene	0.14	
2-Ethyl-1-butene	ND	
n-Hexane	1.06	
trans-2-Hexene	ND	
cis-2-Hexene	ND	
Methylcyclopentane	0.65	
2,4-Dimethylpentane	0.28	
Benzene	1.28	
Cyclohexane	0.05	
2-Methylhexane	0.45	
2,3-Dimethylpentane	0.37	
3-Methylhexane	0.70	
1-Heptene	0.08	
2,2,4-Trimethylpentane	0.70	
n-Heptane	0.34	
Methylcyclohexane	0.33	
2,2,3-Trimethylpentane	0.11	
2,3,4-Trimethylpentane	0.25	
Toluene	3.60	
2-Methylheptane	0.13	
3-Methylheptane	0.17	
1-Octene	0.03	U
n-Octane	0.24	
Ethylbenzene	0.37	
m-Xylene/p-Xylene	1.01	
Styrene	0.05	
o-Xylene	0.42	
1-Nonene	0.05	
n-Nonane	0.14	
Isopropylbenzene	0.06	
a-Pinene	0.13	
n-Propylbenzene	0.12	
m-Ethyltoluene	0.31	
p-Ethyltoluene	0.15	
1,3,5-Trimethylbenzene	0.24	
o-Ethyltoluene	0.24	
b-Pinene	0.21	
1,2,4-Trimethylbenzene	0.57	
1-Decene	ND	
n-Decane	0.26	
1,2,3-Trimethylbenzene	0.29	
m-Diethylbenzene	0.08	
p-Diethylbenzene	0.04	
1-Undecene	ND	
n-Undecane	0.26	
1-Dodecene	0.04	U
n-Dodecane	0.18	
1-Tridecene	0.06	U
n-Tridecane	0.01	U

TNMOC (speciated) in ppbv	63.20
TNMOC (w/ unknowns) in ppbC	365.38

Detroit, Michigan E7 Mile (E7MI) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ug/m³)

Sample No.:	E7MI 28867	E7MI 28868	E7MI 29068	E7MI 29175	E7MI 29224	E7MI 29327	E7MI 29502				
Sampling Date:	7/7/2002	7/13/2002	7/31/2002	8/6/2002	8/12/2002	8/18/2002	8/24/2002				
Analysis Date:	8/3/2002	8/7/2002	8/31/2002	9/1/2002	9/4/2002	9/5/2002	9/18/2002				
Filename:	L2HB023	L2HF014	L2H%006	L2H%018	L2IC022	L2IE006	L2IQ019				
Ethylene	8.50	15.09	4.23	1.30	2.91	1.46	3.17				
Acetylene	4.73	10.87	2.68	0.56	2.01	0.79	2.21				
Ethane	29.20	41.63	13.33	2.75	8.84	3.94	7.70				
Propylene	3.49	6.66	1.65	0.68	1.20	0.70	1.40				
Propane	14.11	12.58	4.45	1.66	4.44	2.02	4.67				
Propyne	ND	ND	ND	ND	ND	ND	ND				
Isobutane	5.61	7.68	1.57	0.59	1.68	0.74	1.87				
Isobutene/1-Butene	2.11	3.83	1.24	0.69	0.84	0.65	1.12				
1,3-Butadiene	0.56	1.15	0.21	ND	0.16	0.09	U	0.21			
n-Butane	10.36	14.31	3.46	0.94	3.53	1.49	3.33				
trans-2-Butene	0.60	0.91	0.18	0.17	0.19	0.21	0.34				
cis-2-Butene	0.73	1.08	0.33	0.27	0.31	0.26	0.36				
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND				
Isopentane	28.00	36.96	11.23	1.44	7.79	3.03	7.22				
1-Pentene	0.91	1.66	0.45	0.23	0.36	0.28	0.47				
2-Methyl-1-butene	1.48	2.63	0.60	0.29	0.35	0.15	0.35				
n-Pentane	9.09	14.73	3.28	0.86	3.32	1.22	3.13				
Isoprene	1.22	1.50	0.71	0.70	0.48	0.30	0.40				
trans-2-Pentene	1.84	2.80	0.48	0.25	0.38	0.24	0.52				
cis-2-Pentene	1.17	1.74	0.35	0.27	0.35	0.26	0.42				
2-Methyl-2-butene	2.03	3.14	0.29	0.23	0.20	0.12	U	0.30			
2,2-Dimethylbutane	2.05	2.77	0.79	0.37	0.82	0.44	0.80				
Cyclopentene	ND	ND	ND	ND	ND	0.10	U	ND			
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND				
Cyclopentane	1.08	1.59	0.43	0.24	0.46	0.19	0.47				
2,3-Dimethylbutane	3.45	5.33	1.08	0.46	1.02	0.55	0.98				
2-Methylpentane	8.96	13.48	3.93	1.27	3.03	1.43	2.62				
3-Methylpentane	5.44	8.24	1.95	0.56	1.87	0.76	1.70				
2-Methyl-1-pentene	0.34	0.44	ND	ND	ND	ND	ND				
1-Hexene	0.86	1.05	0.49	0.30	0.41	0.39	0.46				
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND				
n-Hexane	4.88	7.61	1.84	0.50	2.16	0.72	1.53				
trans-2-Hexene	0.43	0.59	ND	ND	ND	ND	ND				
cis-2-Hexene	0.27	0.33	ND	ND	ND	ND	ND				
Methylcyclopentane	3.28	5.09	1.51	0.40	1.13	0.50	1.00				
2,4-Dimethylpentane	1.33	2.09	0.50	0.28	0.47	0.32	0.45				
Benzene	5.98	9.00	2.39	0.92	2.09	1.32	2.18				
Cyclohexane	1.47	1.85	0.62	0.37	0.51	0.35	0.61				
2-Methylhexane	3.12	4.55	1.48	0.66	1.08	0.69	1.02				
2,3-Dimethylpentane	2.11	3.19	0.86	0.45	0.78	0.53	0.85				
3-Methylhexane	3.12	4.67	1.21	0.39	1.00	0.53	1.32				
1-Heptene	0.57	ND	0.24	ND	0.11	U	0.20	ND			
2,2,4-Trimethylpentane	4.02	7.40	1.54	0.60	1.41	0.67	1.45				
n-Heptane	2.09	3.25	0.82	0.26	0.66	0.33	0.70				
Methylcyclohexane	1.36	2.02	0.69	0.31	0.58	0.38	0.74				
2,2,3-Trimethylpentane	1.03	1.39	0.28	ND	0.24	ND	ND				
2,3,4-Trimethylpentane	1.71	2.81	0.80	0.24	0.53	0.28	0.47				
Toluene	14.51	22.67	5.40	1.49	4.78	1.92	4.72				
2-Methylheptane	1.05	1.47	0.58	0.16	0.35	0.21	0.38				
3-Methylheptane	1.19	1.62	0.80	0.27	0.44	0.23	0.43				
1-Octene	0.20	ND	0.19	ND	ND	ND	ND				
n-Octane	1.18	1.56	1.49	0.34	0.54	0.32	0.53				
Ethylbenzene	2.25	3.56	0.83	0.26	0.76	0.37	0.72				
m-Xylene/p-Xylene	6.34	10.14	2.58	0.60	2.16	0.70	2.15				
Styrene	0.32	0.46	2.71	ND	0.23	0.09	0.23				
o-Xylene	2.52	3.96	1.11	0.32	0.85	0.38	0.80				
1-Nonene	0.16	U	0.21	ND	ND	ND	ND				
n-Nonane	0.71	1.06	1.16	0.21	0.49	0.23	0.42				
Isopropylbenzene	0.37	0.45	0.24	0.15	U	0.17	0.20	0.25			
α-Pinene	0.96	ND	ND	0.32	0.61	0.36	ND				
n-Propylbenzene	0.73	1.06	0.39	0.14	U	0.29	0.20	0.23			
m-Ethyltoluene	2.04	3.41	0.92	0.26	0.74	0.34	0.68				
p-Ethyltoluene	1.10	1.77	0.58	0.13	U	0.49	0.19	U	0.41		
1,3,5-Trimethylbenzene	1.53	2.48	0.74	0.31	0.52	0.34	0.52				
o-Ethyltoluene	1.43	2.01	0.87	0.35	0.70	0.39	0.66				
β-Pinene	0.66	0.61	2.73	0.47	0.52	0.54	0.30				
1,2,4-Trimethylbenzene	3.72	5.98	2.17	0.69	1.58	0.83	1.30				
1-Decene	ND	ND	ND	ND	ND	ND	ND				
n-Decane	1.33	2.05	2.09	0.36	0.86	0.55	0.58				
1,2,3-Trimethylbenzene	1.21	1.42	0.94	0.35	0.59	0.40	0.46				
m-Diethylbenzene	0.49	0.66	0.46	0.58	0.27	0.18	0.29				
p-Diethylbenzene	0.25	0.44	0.14	ND	0.16	0.10	0.14				
1-Undecene	0.37	0.12	U	ND	ND	ND	ND				
n-Undecane	1.12	1.48	1.46	0.40	0.82	1.55	0.53				
1-Dodecene	0.22	U	0.21	U	0.09	U	0.27	U	0.18	U	
n-Dodecane	1.00	0.77	0.91	0.35	U	0.77	1.50	0.57			
1-Tridecene	ND	ND	ND	0.18	U	0.31	U	0.37	U	0.21	U
n-Tridecane	0.12	U	ND	ND	ND	ND	ND				
TNMOC (speciated) in ug/m ³	233.80	341.26	105.97	31.23	79.91	41.35	76.25				
TNMOC (w/ unknowns) in ppbC	469.00	678.20	344.50	108.19	185.56	122.33	186.62				

U Under detection limit.

Detroit, Michigan E7 Mile (E7MI) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ug/m³)

Sample No.:	E7MI 29639
Sampling Date:	8/30/2002
Analysis Date:	9/23/2002
Filename:	L21W009

Ethylene	6.98	
Acetylene	3.95	
Ethane	13.10	
Propylene	3.10	
Propane	8.77	
Propyne	ND	
Isobutane	4.69	
Isobutene/1-Butene	1.92	
1,3-Butadiene	0.53	
n-Butane	7.28	
trans-2-Butene	0.51	
cis-2-Butene	0.39	
3-Methyl-1-butene	ND	
Isopentane	16.64	
1-Pentene	0.67	
2-Methyl-1-butene	0.79	
n-Pentane	7.12	
Isoprene	0.68	
trans-2-Pentene	0.90	
cis-2-Pentene	0.62	
2-Methyl-2-butene	0.80	
2,2-Dimethylbutane	1.41	
Cyclopentene	0.36	
4-Methyl-1-pentene	ND	
Cyclopentane	0.80	
2,3-Dimethylbutane	1.92	
2-Methylpentane	5.85	
3-Methylpentane	3.77	
2-Methyl-1-pentene	0.23	
1-Hexene	0.49	
2-Ethyl-1-butene	ND	
n-Hexane	3.79	
trans-2-Hexene	ND	
cis-2-Hexene	ND	
Methylcyclopentane	2.24	
2,4-Dimethylpentane	0.99	
Benzene	4.13	
Cyclohexane	0.17	
2-Methylhexane	1.87	
2,3-Dimethylpentane	1.52	
3-Methylhexane	2.91	
1-Heptene	0.32	
2,2,4-Trimethylpentane	3.31	
n-Heptane	1.42	
Methylcyclohexane	1.32	
2,2,3-Trimethylpentane	0.51	
2,3,4-Trimethylpentane	1.17	
Toluene	13.70	
2-Methylheptane	0.60	
3-Methylheptane	0.82	
1-Octene	0.13	U
n-Octane	1.13	
Ethylbenzene	1.75	
m-Xylene/p-Xylene	4.42	
Styrene	0.22	
o-Xylene	1.85	
1-Nonene	0.26	
n-Nonane	0.72	
Isopropylbenzene	0.30	
a-Pinene	0.73	
n-Propylbenzene	0.59	
m-Ethyltoluene	1.55	
p-Ethyltoluene	0.73	
1,3,5-Trimethylbenzene	1.19	
o-Ethyltoluene	1.19	
b-Pinene	1.18	
1,2,4-Trimethylbenzene	2.85	
1-Decene	ND	
n-Decane	1.55	
1,2,3-Trimethylbenzene	1.43	
m-Diethylbenzene	0.45	
p-Diethylbenzene	0.22	
1-Undecene	ND	
n-Undecane	1.71	
1-Dodecene	0.30	U
n-Dodecane	1.23	
1-Tridecene	0.42	U
n-Tridecane	0.11	U

TNMOC (speciated) in ug/m ³	163.26
TNMOC (w/ unknowns) in ppbC	365.38

St. Louis, Missouri Site 4 (S4MO) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	S4MO 31065	S4MO 31066	S4MO 31261	S4MO 31401	S4MO 31403
Sampling Date:	12/4/2002	12/10/2002	12/16/2002	12/22/2002	12/28/2002
Analysis Date:	1/2/2003	1/8/2003	1/11/2003	1/13/2003	1/14/2003
Filename:	L3AB017	L3AH008	N3AJ012	L3AM007	L3AM018
Ethylene	8.08	16.97	7.35	4.44	7.72
Acetylene	4.83	12.08	5.39	3.21	7.64
Ethane	27.01	61.33	25.93	16.61	31.68
Propylene	2.83	6.99	4.26	2.15	2.84
Propane	12.80	30.84	23.15	7.63	20.00
Propyne	ND	ND	ND	ND	ND
Isobutane	16.48	14.92	7.49	3.14	5.38
Isobutene/1-Butene	4.43	5.68	2.01	1.66	1.80
1,3-Butadiene	0.36	1.00	0.44	0.32	0.40
n-Butane	13.55	25.80	19.16	5.97	13.83
trans-2-Butene	0.49	0.88	0.45	ND	0.26
cis-2-Butene	0.51	0.78	0.42	0.20	0.39
3-Methyl-1-butene	ND	0.34	0.18	ND	0.23
Isopentane	29.47	20.48	11.34	4.76	9.25
1-Pentene	1.25	0.75	0.35	0.53	0.34
2-Methyl-1-butene	0.95	1.18	0.64	0.30	0.55
n-Pentane	10.65	12.83	5.77	2.31	4.79
Isoprene	0.20	1.37	0.27	0.24	0.61
trans-2-Pentene	1.17	1.42	0.59	0.32	0.60
cis-2-Pentene	0.61	0.77	0.28	0.23	0.29
2-Methyl-2-butene	1.19	1.66	0.75	ND	0.60
2,2-Dimethylbutane	0.51	1.25	0.75	0.23	0.53
Cyclopentene	0.37	0.51	ND	0.31	0.19
4-Methyl-1-pentene	ND	ND	ND	0.45	ND
Cyclopentane	1.12	1.10	0.51	0.43	0.77
2,3-Dimethylbutane	1.01	2.21	0.90	0.54	0.77
2-Methylpentane	4.54	8.72	4.32	1.56	2.98
3-Methylpentane	6.55	7.09	3.02	1.42	2.68
2-Methyl-1-pentene	0.42	0.44	0.11	ND	ND
1-Hexene	0.88	0.58	0.26	ND	ND
2-Ethyl-1-butene	ND	ND	ND	ND	ND
n-Hexane	6.84	10.29	4.84	1.21	2.69
trans-2-Hexene	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	0.19	ND	ND
Methylcyclopentane	3.11	3.77	1.77	0.74	1.49
2,4-Dimethylpentane	0.54	1.48	0.67	0.26	0.70
Benzene	5.39	7.47	3.64	2.03	2.61
Cyclohexane	2.68	2.45	0.76	0.34	0.67
2-Methylhexane	3.01	5.57	2.73	1.47	1.26
2,3-Dimethylpentane	3.15	2.45	2.22	0.75	0.51
3-Methylhexane	18.91	5.43	3.33	1.22	2.42
1-Heptene	1.03	ND	0.26	0.20	0.35
2,2,4-Trimethylpentane	2.41	5.85	2.32	1.02	2.23
n-Heptane	2.08	4.50	1.75	0.75	1.20
Methylcyclohexane	3.88	2.91	1.61	0.31	0.81
2,2,3-Trimethylpentane	ND	1.20	0.48	0.26	0.44
2,3,4-Trimethylpentane	1.10	2.03	0.82	0.43	0.84
Toluene	20.46	20.00	14.76	3.91	7.98
2-Methylheptane	0.74	1.53	0.53	ND	0.46
3-Methylheptane	0.57	1.51	0.58	ND	0.34
1-Octene	0.26	ND	ND	ND	ND
n-Octane	1.48	3.56	0.89	0.43	0.71
Ethylbenzene	3.12	7.23	2.10	0.86	1.15
m-Xylene/p-Xylene	8.25	20.99	6.11	1.71	3.05
Styrene	ND	1.44	0.80	0.66	0.26
o-Xylene	3.24	6.06	2.56	0.68	1.19
1-Nonene	1.17	0.25	0.35	ND	ND
n-Nonane	3.58	3.30	0.75	0.43	0.43
Isopropylbenzene	0.24	0.28	0.15	ND	ND
a-Pinene	9.31	1.45	1.04	0.51	0.41
n-Propylbenzene	1.09	0.84	0.45	0.21	0.26
m-Ethyltoluene	1.92	2.77	1.31	0.86	0.89
p-Ethyltoluene	2.68	1.64	0.71	0.38	0.44
1,3,5-Trimethylbenzene	1.32	2.28	0.80	0.37	0.36
o-Ethyltoluene	2.30	1.71	0.72	0.35	0.50
b-Pinene	ND	ND	ND	0.83	ND
1,2,4-Trimethylbenzene	3.95	4.04	2.66	0.96	1.26
1-Decene	ND	ND	ND	ND	ND
n-Decane	12.11	4.66	1.25	1.11	0.87
1,2,3-Trimethylbenzene	1.61	0.77	0.42	0.22	0.31
m-Diethylbenzene	2.26	0.25	0.19	ND	ND
p-Diethylbenzene	1.12	0.30	0.16	ND	ND
1-Undecene	1.24	0.25	0.18	ND	ND
n-Undecane	21.83	1.94	0.75	1.44	3.06
1-Dodecene	1.25	ND	ND	0.43	ND
n-Dodecane	14.33	0.38	0.31	0.85	0.26
1-Tridecene	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	ND	ND
TNMOC (speciated)	327.77	384.78	193.94	87.11	159.51
TNMOC (w/ unknowns)	734.14	483.73	243.37	131.89	246.76

St. Louis, Missouri Blait Street (S4MO) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbV)

Sample No.:	S4MO 31065	S4MO 31066	S4MO 31261	S4MO 31401	S4MO 31403
Sampling Date:	12/4/2002	12/10/2002	12/16/2002	12/22/2002	12/28/2002
Analysis Date:	1/2/2003	1/8/2003	1/11/2003	1/13/2003	1/14/2003
Filename:	L3AB017	L3AH008	N3AJ012	L3AM007	L3AM018
Ethylene	4.04	8.48	3.68	2.22	3.86
Acetylene	2.42	6.04	2.69	1.61	3.82
Ethane	13.51	30.66	12.96	8.31	15.84
Propylene	0.94	2.33	1.42	0.72	0.95
Propane	4.27	10.28	7.72	2.54	6.67
Propyne	ND	ND	ND	ND	ND
Isobutane	4.12	3.73	1.87	0.78	1.34
Isobutene/1-Butene	1.11	1.42	0.50	0.42	0.45
1,3-Butadiene	0.09	0.25	0.11	0.08	0.10
n-Butane	3.39	6.45	4.79	1.49	3.46
trans-2-Butene	0.12	0.22	0.11	ND	0.07
cis-2-Butene	0.13	0.20	0.11	0.05 U	0.10
3-Methyl-1-butene	ND	0.07	0.04 U	ND	0.05 U
Isopentane	5.89	4.10	2.27	0.95	1.85
1-Pentene	0.25	0.15	0.07	0.11	0.07
2-Methyl-1-butene	0.19	0.24	0.13	0.06	0.11
n-Pentane	2.13	2.57	1.15	0.46	0.96
Isoprene	0.04	0.27	0.05	0.05	0.12
trans-2-Pentene	0.23	0.28	0.12	0.06	0.12
cis-2-Pentene	0.12	0.15	0.06	0.05	0.06
2-Methyl-2-butene	0.24	0.33	0.15	ND	0.12
2,2-Dimethylbutane	0.08	0.21	0.13	0.04	0.09
Cyclopentene	0.07	0.10	ND	0.06	0.04 U
4-Methyl-1-pentene	ND	ND	ND	0.07	ND
Cyclopentane	0.22	0.22	0.10	0.09	0.15
2,3-Dimethylbutane	0.17	0.37	0.15	0.09	0.13
2-Methylpentane	0.76	1.45	0.72	0.26	0.50
3-Methylpentane	1.09	1.18	0.50	0.24	0.45
2-Methyl-1-pentene	0.07	0.07	0.02 U	ND	ND
1-Hexene	0.15	0.10	0.04 U	ND	ND
2-Ethyl-1-butene	ND	ND	ND	ND	ND
n-Hexane	1.14	1.72	0.81	0.20	0.45
trans-2-Hexene	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	0.03 U	ND	ND
Methylcyclopentane	0.52	0.63	0.29	0.12	0.25
2,4-Dimethylpentane	0.08	0.21	0.10	0.04	0.10
Benzene	0.90	1.24	0.61	0.34	0.44
Cyclohexane	0.45	0.41	0.13	0.06	0.11
2-Methylhexane	0.43	0.80	0.39	0.21	0.18
2,3-Dimethylpentane	0.45	0.35	0.32	0.11	0.07
3-Methylhexane	2.70	0.78	0.48	0.17	0.35
1-Heptene	0.15	ND	0.04	0.03 U	0.05
2,2,4-Trimethylpentane	0.30	0.73	0.29	0.13	0.28
n-Heptane	0.30	0.64	0.25	0.11	0.17
Methylcyclohexane	0.55	0.42	0.23	0.04	0.12
2,2,3-Trimethylpentane	ND	0.15	0.06	0.03	0.06
2,3,4-Trimethylpentane	0.14	0.25	0.10	0.05	0.10
Toluene	2.92	2.86	2.11	0.56	1.14
2-Methylheptane	0.09	0.19	0.07	ND	0.06
3-Methylheptane	0.07	0.19	0.07	ND	0.04
1-Octene	0.03	ND	ND	ND	ND
n-Octane	0.18	0.44	0.11	0.05	0.09
Ethylbenzene	0.39	0.90	0.26	0.11	0.14
m-Xylene/p-Xylene	1.03	2.62	0.76	0.21	0.38
Styrene	ND	0.18	0.10	0.08	0.03
o-Xylene	0.41	0.76	0.32	0.08	0.15
1-Nonene	0.13	0.03 U	0.04	ND	ND
n-Nonane	0.40	0.37	0.08	0.05	0.05
Isopropylbenzene	0.03 U	0.03 U	0.02 U	ND	ND
α-Pinene	0.93	0.15	0.10	0.05	0.04
n-Propylbenzene	0.12	0.09	0.05	0.02 U	0.03 U
m-Ethyltoluene	0.21	0.31	0.15	0.10	0.10
p-Ethyltoluene	0.30	0.18	0.08	0.04	0.05
1,3,5-Trimethylbenzene	0.15	0.25	0.09	0.04	0.04
o-Ethyltoluene	0.26	0.19	0.08	0.04	0.06
β-Pinene	ND	ND	ND	0.08	ND
1,2,4-Trimethylbenzene	0.44	0.45	0.30	0.11	0.14
1-Decene	ND	ND	ND	ND	ND
n-Decane	1.21	0.47	0.13	0.11	0.09
1,2,3-Trimethylbenzene	0.18	0.09	0.05	0.02	0.03
m-Diethylbenzene	0.23	0.03 U	0.02 U	ND	ND
p-Diethylbenzene	0.11	0.03	0.02	ND	ND
1-Undecene	0.11	0.02 U	0.02 U	ND	ND
n-Undecane	1.98	0.18	0.07	0.13	0.28
1-Dodecene	0.10	ND	ND	0.04 U	ND
n-Dodecane	1.19	0.03 U	0.03 U	0.07	0.02 U
1-Tridecene	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	ND	ND
TNMOC (speciated) in ppbv	67.15	101.28	50.87	24.44	47.12
TNMOC (w/ unknowns) in ppbC	734.14	483.73	243.37	131.89	246.76

St. Louis, Missouri Blait Street (S4MO) 2002 Speciated Hydrocarbon Final Data

Report (Reported in ug/m³)

Sample No.:	S4MO 31065	S4MO 31066	S4MO 31261	S4MO 31401	S4MO 31403
Sampling Date:	12/4/2002	12/10/2002	12/16/2002	12/22/2002	12/28/2002
Analysis Date:	1/2/2003	1/8/2003	1/11/2003	1/13/2003	1/14/2003
Filename:	L3AB017	L3AH008	N3AJ012	L3AM007	L3AM018
Ethylene	4.67	9.82	4.25	2.57	4.47
Acetylene	2.60	6.49	2.89	1.73	4.10
Ethane	16.75	38.04	16.08	10.30	19.65
Propylene	1.64	4.05	2.47	1.24	1.64
Propane	7.76	18.70	14.04	4.63	12.13
Propyne	ND	ND	ND	ND	ND
Isobutane	9.88	8.94	4.49	1.88	3.22
Isobutene/1-Butene	2.56	3.29	1.16	0.96	1.04
1,3-Butadiene	0.20	0.56	0.24	0.18	0.22
n-Butane	8.12	15.47	11.49	3.58	8.29
trans-2-Butene	0.29	0.51	0.26	ND	0.15
cis-2-Butene	0.29	0.45	0.24	0.11 U	0.23
3-Methyl-1-butene	ND	0.20	0.10 U	ND	0.14 U
Isopentane	17.54	12.19	6.75	2.83	5.51
1-Pentene	0.72	0.43	0.20	0.30	0.20
2-Methyl-1-butene	0.55	0.68	0.37	0.17	0.32
n-Pentane	6.34	7.64	3.43	1.38	2.85
Isoprene	0.11	0.77	0.15	0.13	0.34
trans-2-Pentene	0.70	0.85	0.35	0.19	0.36
cis-2-Pentene	0.36	0.46	0.17	0.14	0.17
2-Methyl-2-butene	0.69	0.96	0.43	ND	0.34
2,2-Dimethylbutane	0.30	0.74	0.45	0.13	0.31
Cyclopentene	0.21	0.28	ND	0.18	0.11 U
4-Methyl-1-pentene	ND	ND	ND	0.26	ND
Cyclopentane	0.65	0.63	0.29	0.25	0.45
2,3-Dimethylbutane	0.60	1.31	0.53	0.32	0.46
2-Methylpentane	2.69	5.17	2.56	0.92	1.77
3-Methylpentane	3.88	4.20	1.79	0.84	1.59
2-Methyl-1-pentene	0.25	0.26	0.07 U	ND	ND
1-Hexene	0.52	0.35	0.15 U	ND	ND
2-Ethyl-1-butene	ND	ND	ND	ND	ND
n-Hexane	4.05	6.10	2.87	0.72	1.60
trans-2-Hexene	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	0.11 U	ND	ND
Methylcyclopentane	1.80	2.18	1.02	0.43	0.86
2,4-Dimethylpentane	0.27	0.75	0.34	0.13	0.35
Benzene	2.89	4.01	1.95	1.09	1.40
Cyclohexane	1.55	1.42	0.44	0.20	0.39
2-Methylhexane	1.78	3.29	1.61	0.87	0.74
2,3-Dimethylpentane	1.86	1.45	1.31	0.44	0.30
3-Methylhexane	11.17	3.21	1.96	0.72	1.43
1-Heptene	ND	ND	0.15	0.12 U	0.20
2,2,4-Trimethylpentane	1.42	3.44	1.37	0.60	1.32
n-Heptane	1.23	2.65	1.03	0.44	0.71
Methylcyclohexane	2.25	1.68	0.93	0.18	0.47
2,2,3-Trimethylpentane	ND	0.71	0.28	0.15	0.26
2,3,4-Trimethylpentane	0.65	1.19	0.48	0.25	0.49
Toluene	11.11	10.86	8.01	2.12	4.33
2-Methylheptane	0.43	0.90	0.31	ND	0.27
3-Methylheptane	0.34	0.89	0.34	ND	0.20
1-Octene	0.15	ND	ND	ND	ND
n-Octane	0.87	2.10	0.52	0.26	0.42
Ethylbenzene	1.87	4.33	1.26	0.52	0.69
m-Xylene/p-Xylene	4.52	11.49	3.34	0.93	1.67
Styrene	ND	0.77	0.43	0.35	0.14
o-Xylene	1.77	3.32	1.40	0.37	0.65
1-Nonene	0.68	0.14 U	0.20	ND	ND
n-Nonane	2.10	1.94	0.44	0.25	0.25
Isopropylbenzene	0.13 U	0.16 U	0.08 U	ND	ND
α-Pinene	5.23	0.82	0.58	0.28	0.23
n-Propylbenzene	0.60	0.47	0.25	0.12 U	0.14 U
m-Ethyltoluene	1.06	1.52	0.72	0.48	0.49
p-Ethyltoluene	1.48	0.90	0.39	0.21	0.24
1,3,5-Trimethylbenzene	0.72	1.26	0.44	0.20	0.20
o-Ethyltoluene	1.27	0.94	0.39	0.19	0.28
β-Pinene	ND	ND	ND	0.46	ND
1,2,4-Trimethylbenzene	2.18	2.23	1.47	0.53	0.70
1-Decene	ND	ND	ND	ND	ND
n-Decane	7.11	2.73	0.74	0.65	0.51
1,2,3-Trimethylbenzene	0.89	0.42	0.23	0.12	0.17
m-Diethylbenzene	1.25	0.14 U	0.10 U	ND	ND
p-Diethylbenzene	0.62	0.17	0.09	ND	ND
1-Undecene	0.72	0.15 U	0.11 U	ND	ND
n-Undecane	12.80	1.14	0.44	0.85	1.80
1-Dodecene	0.72	ND	ND	0.25 U	ND
n-Dodecane	8.39	0.22 U	0.18 U	0.50	0.15 U
1-Tridecene	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	ND	ND
TNMOC (speciated) in ug/m ³	191.38	225.52	113.76	51.21	94.09
TNMOC (w/ unknowns) in ppbC	734.14	483.73	243.37	131.89	246.76

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(Reported in ppbC)

Sample No.:	SFSD 24998	SFSD 25054	SFSD 25119	SFSD 25244	SFSD 25424 D1	SFSD 25424 R1	SFSD 25425 D2				
Sampling Date:	1/2/2002	1/8/2002	1/14/2002	1/20/2002	1/26/2002	1/26/2002	1/26/2002				
Analysis Date:	1/25/2002	1/25/2002	1/26/2002	1/29/2002	2/26/2002	2/28/2002	2/26/2002				
Filename:	L2AX020	L2AY012	L2AY020	L2A#011	L2BZ017	L2B-012	L2BZ018				
Ethylene	4.36	3.04	9.73	2.60	3.01	3.00	3.06				
Acetylene	3.18	2.40	7.45	2.39	2.63	2.65	2.65				
Ethane	7.16	8.85	16.57	8.34	10.04	9.96	10.00				
Propylene	1.66	1.24	2.29	1.08	1.44	1.40	1.48				
Propane	5.88	7.23	11.67	9.35	11.75	11.72	13.29				
Propyne	ND	ND	ND	ND	ND	ND	ND				
Isobutane	2.40	2.31	4.04	2.09	3.10	3.01	3.30				
Isobutene/1-Butene	1.59	1.35	2.08	1.11	1.27	1.27	1.56				
1,3-Butadiene	0.18	U	0.16	U	0.16	U	0.18	U			
n-Butane	6.75	6.70	11.39	4.63	10.18	10.24	12.59				
trans-2-Butene	0.35	0.36	0.52	0.31	0.37	0.36	0.47				
cis-2-Butene	0.53	0.44	0.72	0.41	0.51	0.44	0.56				
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND				
Isopentane	5.67	6.38	8.27	3.87	6.35	6.25	6.86				
1-Pentene	0.39	0.39	0.41	0.31	0.41	0.45	0.40				
2-Methyl-1-butene	0.36	0.38	0.45	0.29	0.21	U	0.21	U	0.35		
n-Pentane	1.83	2.43	3.64	2.10	2.78	3.00	2.98				
Isoprene	0.35	0.53	0.52	0.38	0.52	0.51	0.66				
trans-2-Pentene	0.38	0.44	0.63	0.27	0.43	0.37	0.48				
cis-2-Pentene	0.41	0.44	0.50	0.33	0.49	0.44	0.48				
2-Methyl-2-butene	0.55	0.40	0.58	0.21	U	0.24	U	0.24	U	0.40	
2,2-Dimethylbutane	0.68	0.71	0.89	0.52	0.83	0.83	0.77				
Cyclopentene	0.18	U	0.19	U	ND	ND	ND	ND			
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND	ND			
Cyclopentane	0.50	0.56	0.55	0.42	0.52	0.62	0.51				
2,3-Dimethylbutane	0.76	0.90	0.99	0.67	0.91	0.92	0.90				
2-Methylpentane	2.21	1.84	2.30	1.36	2.50	2.36	2.03				
3-Methylpentane	1.14	1.34	1.57	0.99	1.44	1.49	1.40				
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND				
1-Hexene	0.60	0.61	0.56	0.55	0.62	0.60	0.67				
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND				
n-Hexane	1.13	1.34	1.66	1.05	1.51	1.55	1.58				
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND				
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND				
Methylcyclopentane	0.76	0.82	0.94	0.61	0.93	0.87	0.91				
2,4-Dimethylpentane	0.69	0.64	0.62	0.48	0.67	0.74	0.72				
Benzene	2.12	2.06	2.75	1.78	2.46	2.48	2.47				
Cyclohexane	0.63	0.78	0.77	0.62	0.85	0.83	0.83				
2-Methylhexane	2.38	1.34	1.42	1.04	1.44	1.41	1.01				
2,3-Dimethylpentane	1.18	1.27	1.05	0.97	1.16	1.18	1.21				
3-Methylhexane	0.88	0.93	1.08	0.98	0.71	0.84	0.89				
1-Heptene	ND	ND	ND	ND	ND	ND	ND				
2,2,4-Trimethylpentane	1.43	1.14	1.68	0.82	4.55	4.34	8.75				
n-Heptane	0.54	0.61	0.78	0.54	0.77	0.80	0.83				
Methylcyclohexane	0.74	0.73	0.75	0.52	0.77	0.79	0.78				
2,2,3-Trimethylpentane	0.35	ND	ND	ND	0.49	0.35	0.50				
2,3,4-Trimethylpentane	0.51	0.47	0.59	0.36	0.67	0.69	0.85				
Toluene	3.83	3.61	4.53	2.17	3.82	3.83	4.36				
2-Methylheptane	0.31	0.38	0.30	0.21	U	0.31	0.29	0.37			
3-Methylheptane	0.31	0.36	0.40	0.24	0.37	0.37	0.38				
1-Octene	ND	ND	ND	ND	ND	ND	0.15	U			
n-Octane	0.42	0.43	0.49	0.34	0.52	0.54	0.52				
Ethylbenzene	0.58	0.53	1.14	0.41	0.67	0.65	0.67				
m-Xylene/p-Xylene	1.45	1.64	5.33	1.06	1.23	1.35	1.54				
Styrene	ND	0.15	0.23	ND	0.30	0.35	0.18				
o-Xylene	0.62	0.59	1.77	0.43	0.59	0.60	0.57				
1-Nonene	ND	ND	ND	ND	ND	ND	ND				
n-Nonane	0.29	0.37	0.43	0.29	0.32	0.38	0.40				
Isopropylbenzene	0.34	0.41	0.35	0.28	U	0.35	0.23	U	0.24	U	
α-Pinene	ND	ND	3.74	0.57	ND	ND	ND	ND			
n-Propylbenzene	0.21	U	0.42	0.41	0.46	0.21	U	0.27	U	0.27	U
m-Ethyltoluene	0.35	1.03	0.93	0.65	0.46	0.48	0.62	0.62			
p-Ethyltoluene	0.30	U	0.51	0.46	0.33	U	0.38	0.35	U	0.24	U
1,3,5-Trimethylbenzene	0.16	U	0.17	U	0.17	U	0.16	U	ND	0.20	0.20
o-Ethyltoluene	0.24	U	0.40	0.41	0.33	0.28	U	0.27	U	0.28	U
β-Pinene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.35	0.70	0.98	0.48	0.42	0.36	0.37				
1-Decene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.37	0.91	0.75	0.64	0.70	0.67	0.68				
1,2,3-Trimethylbenzene	0.29	0.79	0.50	0.51	0.37	0.46	0.17				
m-Diethylbenzene	0.27	U	0.64	0.50	0.18	U	0.82	1.15	0.23	U	
p-Diethylbenzene	ND	1.08	0.57	0.78	0.47	0.59	0.33				
1-Undecene	0.15	U	ND	0.17	U	ND	ND	ND	ND	ND	ND
n-Undecane	0.33	U	4.31	1.72	2.30	2.75	3.17	2.61			
1-Dodecene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Dodecane	ND	0.98	0.46	U	0.44	U	2.31	2.23	1.24		
1-Tridecene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	ND	0.47	U	0.44	U	ND	ND	ND
TNMOC (speciated)	74.56	84.11	129.59	67.81	97.93	98.21	105.95				
TNMOC (w/ unknowns)	133.43	172.26	161.57	117.93	148.12	146.65	138.93				

NR Not reported due to a large interfering non-target peak.
U Under detection limit.

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(Reported in ppbC)

Sample No.:	SFSD 25425 R2	SFSD 25524	SFSD 25670	SFSD 25733	SFSD 25882	SFSD 25975 D1	SFSD 25975 R1
Sampling Date:	1/26/2002	2/1/2002	2/7/2002	2/13/2002	2/19/2002	2/25/2002	2/25/2002
Analysis Date:	2/28/2002	2/28/2002	2/28/2002	3/1/2002	3/5/2002	3/7/2002	3/7/2002
Filename:	L2B-013	L2B-019	L2B1011	L2B1021	L2CE011	L2CF014	L2CG007
Ethylene	3.06	5.78	3.49	3.43	2.60	1.80	1.80
Acetylene	2.63	5.07	3.26	2.25	2.35	2.08	1.98
Ethane	9.93	11.52	10.64	8.72	9.21	6.85	6.87
Propylene	1.38	2.14	1.66	1.82	1.05	0.89	0.87
Propane	13.18	12.63	10.18	8.27	9.37	5.84	5.83
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	3.30	3.40	2.76	1.96	1.79	1.42	1.40
Isobutene/1-Butene	1.55	2.03	1.79	1.72	1.61	1.35	1.27
1,3-Butadiene	0.19	U	0.36	U	ND	ND	ND
n-Butane	12.38	11.93	7.47	5.22	4.80	3.41	3.40
trans-2-Butene	0.43	0.53	0.44	0.37	0.30	0.32	0.31
cis-2-Butene	0.55	0.64	0.62	0.52	0.49	0.39	0.38
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	6.78	6.92	5.52	2.17	3.14	2.38	2.29
1-Pentene	0.43	0.57	0.36	0.40	0.32	0.38	0.35
2-Methyl-1-butene	0.36	0.46	0.40	0.25	ND	0.16	U
n-Pentane	3.01	3.20	2.55	2.12	2.22	1.52	1.46
Isoprene	0.72	0.67	0.68	0.69	0.32	0.91	0.88
trans-2-Pentene	0.52	0.55	0.47	0.39	0.32	0.33	0.31
cis-2-Pentene	0.44	0.52	0.46	0.35	0.37	0.38	0.39
2-Methyl-2-butene	0.38	0.80	0.52	0.38	0.25	ND	ND
2,2-Dimethylbutane	0.83	0.84	0.85	0.80	0.63	0.57	0.61
Cyclopentene	ND	0.21	U	0.18	U	ND	0.19
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.57	0.50	0.49	0.48	0.41	0.45	0.37
2,3-Dimethylbutane	0.98	1.00	0.91	0.76	0.71	0.70	0.65
2-Methylpentane	1.96	2.53	2.42	2.75	1.51	0.87	0.80
3-Methylpentane	1.45	1.61	1.57	0.80	0.98	0.80	0.83
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.65	0.68	0.76	0.82	0.60	0.58	0.59
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	1.57	1.71	2.22	1.10	1.12	0.89	0.93
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.86	1.00	1.14	0.86	0.62	0.55	0.54
2,4-Dimethylpentane	0.77	0.85	0.76	0.63	0.54	0.52	0.49
Benzene	2.45	3.76	2.50	2.21	2.18	2.07	2.04
Cyclohexane	0.85	0.84	0.83	0.68	0.69	0.60	0.56
2-Methylhexane	1.08	1.68	1.46	3.43	1.03	0.95	0.94
2,3-Dimethylpentane	1.26	1.39	1.12	0.87	0.81	0.89	0.90
3-Methylhexane	0.89	0.96	0.77	ND	0.62	0.52	0.46
1-Heptene	ND	ND	ND	0.32	ND	ND	ND
2,2,4-Trimethylpentane	8.35	2.12	1.52	1.02	0.84	0.71	0.75
n-Heptane	0.77	0.79	0.67	0.64	0.58	0.53	0.55
Methylcyclohexane	0.75	0.64	0.84	0.56	0.59	0.52	0.50
2,2,3-Trimethylpentane	0.54	0.30	ND	0.31	ND	ND	ND
2,3,4-Trimethylpentane	0.84	0.59	0.54	0.55	0.38	0.32	0.29
Toluene	4.37	4.45	4.52	2.45	2.19	1.64	1.62
2-Methylheptane	0.38	0.32	0.31	0.27	0.25	0.31	0.25
3-Methylheptane	0.39	0.42	0.34	0.27	0.29	0.28	0.29
1-Octene	ND	ND	ND	0.29	ND	ND	ND
n-Octane	0.48	0.53	0.44	0.44	0.42	0.37	0.36
Ethylbenzene	0.64	0.91	0.83	0.35	0.49	0.31	0.29
m-Xylene/p-Xylene	1.60	2.00	2.08	0.70	0.99	0.48	0.53
Styrene	ND	0.22	0.45	4.65	0.15	ND	ND
o-Xylene	0.64	0.83	0.83	0.49	0.43	ND	0.22
1-Nonene	ND	ND	ND	0.17	U	ND	ND
n-Nonane	0.38	0.38	0.36	0.29	0.31	0.32	0.34
Isopropylbenzene	0.29	U	0.55	0.28	0.41	0.34	0.33
à-Pinene	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.30	0.36	0.41	0.34	0.26	U	0.26
m-Ethyltoluene	0.69	0.86	0.90	0.77	0.72	0.50	0.46
p-Ethyltoluene	0.26	U	0.47	0.31	U	0.29	U
1,3,5-Trimethylbenzene	ND	ND	0.21	ND	0.27	ND	ND
o-Ethyltoluene	0.27	U	0.35	0.29	U	0.30	U
b-Pinene	ND	ND	0.25	U	ND	ND	ND
1,2,4-Trimethylbenzene	0.34	0.83	0.67	0.69	0.50	0.34	0.31
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.72	0.94	0.54	0.76	0.34	0.56	0.56
1,2,3-Trimethylbenzene	0.26	0.59	1.73	0.79	0.30	0.32	0.32
m-Diethylbenzene	0.48	1.34	1.01	2.41	1.78	0.21	U
p-Diethylbenzene	0.29	0.76	1.00	1.21	0.73	0.38	0.39
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	2.45	3.34	3.16	4.80	1.97	1.72	1.79
1-Dodecene	ND	ND	ND	ND	ND	ND	ND
n-Dodecane	1.06	1.52	1.55	2.43	1.55	0.72	U
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	0.19	U	0.44	U	0.52	U
TNMOC (speciated)	104.90	115.90	98.11	86.82	70.73	53.20	52.86
TNMOC (w/ unknowns)	129.87	175.76	166.41	280.51	123.33	80.06	79.91

NR Not reported due to a large interfering non-target peak.
U Under detection limit.

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(Reported in ppbC)

Sample No.:	SFSD 25976 D2	SFSD 25976 R2	SFSD 26092	SFSD 26224	SFSD 26328	SFSD 26407	SFSD 26508
Sampling Date:	2/25/2002	2/25/2002	3/3/2002	3/9/2002	3/15/2002	3/21/2002	3/27/2002
Analysis Date:	3/7/2002	3/7/2002	3/7/2002	3/14/2002	3/27/2002	3/27/2002	4/6/2002
Filename:	L2CF015	L2CG008	L2CF020	L2CM022	L2C-008	L2C-009	L2DE014
Ethylene	1.82	1.85	2.66	1.80	1.79	0.61	2.33
Acetylene	2.08	2.05	2.74	2.16	3.28	2.21	1.86
Ethane	6.87	6.77	8.30	7.56	6.22	7.10	9.96
Propylene	0.91	1.03	1.16	0.94	1.52	0.91	1.16
Propane	6.43	6.46	8.30	8.13	8.72	7.82	13.62
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	1.40	1.40	1.97	2.15	2.77	2.22	5.51
Isobutene/1-Butene	1.29	1.25	1.50	1.32	1.62	1.14	2.18
1,3-Butadiene	ND	ND	ND	ND	0.19 U	ND	ND
n-Butane	3.42	3.46	4.80	3.93	5.12	3.78	5.23
trans-2-Butene	0.34	0.35	0.39	0.30	0.36	0.30	0.38
cis-2-Butene	0.45	0.46	0.49	0.38	0.42	0.40	0.43
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	2.27	2.19	4.23	3.18	5.85	5.38	4.33
1-Pentene	0.29	0.33	ND	4.11	2.63	3.89	3.01
2-Methyl-1-butene	0.18 U	ND	0.20 U	0.14 U	0.25	0.15 U	0.39
n-Pentane	1.40	1.33	1.95	1.70	1.81	1.79	2.12
Isoprene	0.45	0.44	0.55	0.40	0.40	0.46	0.52
trans-2-Pentene	0.33	0.28	0.30	0.28	0.43	0.26	0.33
cis-2-Pentene	0.36	0.34	0.37	0.35	0.40	0.33	0.40
2-Methyl-2-butene	0.27	0.28	0.52	0.23 U	0.23 U	ND	0.92
2,2-Dimethylbutane	0.64	0.63	0.72	0.49	0.64	0.52	0.77
Cyclopentene	0.18 U	0.19 U	ND	ND	0.20 U	0.21 U	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.44	0.17	0.54	0.42	0.41	0.36	0.44
2,3-Dimethylbutane	0.64	0.65	0.67	0.58	0.75	0.60	0.70
2-Methylpentane	1.06	0.96	1.34	1.28	1.50	0.96	2.54
3-Methylpentane	0.82	0.90	0.91	0.74	1.18	0.78	0.94
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.64	0.61	0.61	0.56	0.57	0.55	0.65
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.93	0.96	1.04	0.85	1.11	0.80	1.06
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.55	0.50	0.55	0.48	0.64	0.47	0.54
2,4-Dimethylpentane	0.52	0.60	0.59	0.52	0.65	0.48	0.64
Benzene	2.02	1.93	2.08	1.83	2.38	1.72	1.95
Cyclohexane	0.64	0.65	0.78	0.74	0.75	0.65	0.75
2-Methylhexane	1.08	1.12	0.99	0.84	0.39	0.42	1.90
2,3-Dimethylpentane	0.91	0.87	0.92	0.76	1.15	0.88	1.15
3-Methylhexane	0.52	0.50	0.54	0.35	0.81	0.54	0.57
1-Heptene	ND	ND	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	0.74	0.85	1.52	1.31	1.74	1.50	2.23
n-Heptane	0.51	0.56	0.59	0.46	0.57	0.40	0.53
Methylcyclohexane	0.59	0.57	0.56	0.54	0.59	0.43	0.59
2,2,3-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND
2,3,4-Trimethylpentane	0.30	0.37	0.45	0.33	0.48	0.36	0.45
Toluene	1.59	1.67	5.27	3.68	5.28	4.55	5.33
2-Methylheptane	0.26	0.25 U	0.26	0.23 U	0.27	0.20 U	0.33
3-Methylheptane	0.24	0.29	0.27	0.26	0.30	0.28	0.33
1-Octene	ND	ND	ND	ND	ND	ND	ND
n-Octane	0.43	0.41	0.42	0.45	0.46	0.39	0.48
Ethylbenzene	0.26	0.39	0.38	0.33	0.60	0.33	0.53
m-Xylene/p-Xylene	0.47	0.59	0.65	0.49	1.50	0.68	0.86
Styrene	0.23	0.33	0.55	0.65	0.46	0.58	0.97
o-Xylene	0.30	0.29	0.33	0.29	0.59	0.31	0.49
1-Nonene	ND	ND	ND	ND	ND	0.31 U	ND
n-Nonane	0.23	0.31	0.25	0.33	0.31	0.29	0.25
Isopropylbenzene	0.29 U	0.34	0.40	0.33	0.50	0.31	0.41
à-Pinene	ND	ND	0.33	0.33	0.30 U	0.55	ND
n-Propylbenzene	0.28 U	0.31	0.35	0.20 U	0.41	0.35	0.55
m-Ethyltoluene	0.49	0.59	0.65	0.67	0.83	0.75	1.10
p-Ethyltoluene	0.37	0.33 U	0.33 U	0.30 U	0.26 U	0.29 U	0.41
1,3,5-Trimethylbenzene	ND	0.18 U	0.16 U	0.19 U	0.16 U	0.23	0.27
o-Ethyltoluene	0.25 U	0.29	0.26 U	0.25 U	0.29	0.27 U	0.29
b-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.42	0.44	0.49	0.42	0.45	0.41	0.58
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.49	0.63	0.90	0.57	0.80	0.50	0.73
1,2,3-Trimethylbenzene	0.42	0.51	0.49	0.56	0.49	0.47	0.80
m-Diethylbenzene	0.50	0.33	0.77	0.88	0.62	0.36	2.69
p-Diethylbenzene	0.73	0.57	0.85	0.79	0.71	0.71	0.96
1-Undecene	ND	ND	ND	0.28 U	ND	0.25 U	0.44
n-Undecane	2.50	2.54	4.98	3.12	2.84	3.18	3.63
1-Dodecene	ND	ND	ND	ND	ND	ND	ND
n-Dodecane	1.01	1.13	2.70	1.16	0.76 U	1.18	1.22
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	0.29 U	0.31 U	0.52 U	0.38 U	ND	0.22 U	0.21 U
TNMOC (speciated)	56.32	56.89	78.35	69.25	79.69	69.30	96.89
TNMOC (w/ unknowns)	105.76	106.62	148.67	141.95	155.73	127.03	252.97

NR Not reported due to a large interfering non-target peak.
U Under detection limit.

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(Reported in ppbC)

Sample No.:	SFSD 26605	SFSD 26677	SFSD 26863	SFSD 26985	SFSD 27097	SFSD 27341	SFSD 27471
Sampling Date:	4/2/2002	4/8/2002	4/14/2002	4/20/2002	4/26/2002	5/2/2002	5/8/2002
Analysis Date:	4/6/2002	4/11/2002	4/27/2002	4/27/2002	5/4/2002	5/14/2002	5/16/2002
Filename:	L2DE021	L2DK014	L2DZ014	L2DZ019	L2EC022	L2EM023	L2EP011
Ethylene	1.97	1.76	2.28	1.28	1.36	32.49	1.66
Acetylene	1.42	1.32	1.08	1.06	1.12	49.45	1.21
Ethane	6.05	6.25	5.80	4.90	5.09	12.33	4.52
Propylene	1.06	0.97	1.11	0.78	0.72	25.71	0.85
Propane	9.31	6.29	6.86	4.48	5.03	12.18	5.04
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	7.04	1.88	3.23	1.41	1.20	592.20	2.39
Isobutene/1-Butene	1.50	1.16	2.22	1.12	0.96	17.15	1.33
1,3-Butadiene	ND	ND	0.14	ND	ND	6.73	ND
n-Butane	2.59	2.15	4.47	1.64	1.52	131.23	2.41
trans-2-Butene	0.38	0.30	0.30	0.30	0.27	6.73	0.29
cis-2-Butene	0.52	0.37	0.47	0.39	0.38	7.13	0.39
3-Methyl-1-butene	ND	ND	ND	ND	ND	2.70	ND
Isopentane	2.49	2.81	5.27	2.91	2.99	1266.85	6.48
1-Pentene	0.33	0.27	0.37	0.32	0.28	47.85	0.35
2-Methyl-1-butene	0.21	U	0.25	0.14	U	14.36	0.24
n-Pentane	1.06	1.33	3.97	1.03	1.04	568.68	3.29
Isoprene	0.38	0.45	0.36	0.39	0.31	3.53	0.38
trans-2-Pentene	0.27	0.22	0.35	0.29	0.30	13.50	0.32
cis-2-Pentene	0.40	0.39	0.39	0.34	0.31	7.60	0.36
2-Methyl-2-butene	0.16	U	ND	ND	ND	19.40	0.29
2,2-Dimethylbutane	0.62	0.54	0.83	0.58	0.49	18.71	0.59
Cyclopentene	ND	ND	ND	0.52	ND	4.75	0.21
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.40	0.33	0.35	0.27	0.41	23.47	0.43
2,3-Dimethylbutane	0.62	0.55	0.70	0.56	0.60	22.42	0.67
2-Methylpentane	1.17	1.06	3.22	0.98	0.58	110.73	1.35
3-Methylpentane	0.70	0.68	1.03	0.66	0.64	50.07	1.07
2-Methyl-1-pentene	ND	ND	ND	ND	ND	3.87	ND
1-Hexene	0.58	0.51	0.62	0.56	0.48	2.24	0.52
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.65	0.62	0.93	0.61	0.64	41.58	1.00
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	1.99	ND
Methylcyclopentane	0.54	0.42	1.01	0.39	0.47	19.33	0.56
2,4-Dimethylpentane	0.53	0.65	0.85	0.51	0.42	6.75	0.42
Benzene	1.38	1.44	1.59	1.22	1.32	41.73	1.47
Cyclohexane	0.54	0.52	0.63	0.55	0.49	23.06	1.00
2-Methylhexane	1.08	1.12	1.66	0.91	1.01	10.98	0.80
2,3-Dimethylpentane	1.07	0.93	1.06	0.94	0.90	8.06	0.82
3-Methylhexane	0.41	0.55	ND	0.48	0.52	15.68	1.00
1-Heptene	ND	ND	ND	0.14	U	ND	ND
2,2,4-Trimethylpentane	0.80	1.11	1.76	0.56	0.56	48.29	1.09
n-Heptane	0.39	0.40	0.52	0.39	0.38	13.82	0.43
Methylcyclohexane	0.52	0.56	0.76	0.47	0.36	11.96	0.43
2,2,3-Trimethylpentane	ND	ND	ND	ND	ND	6.58	ND
2,3,4-Trimethylpentane	0.32	0.33	0.37	0.29	0.28	19.08	0.35
Toluene	1.79	1.89	3.82	1.80	2.26	558.35	4.39
2-Methylheptane	0.27	0.23	U	0.28	0.24	U	0.25
3-Methylheptane	0.20	0.25	0.31	0.28	0.25	5.13	0.26
1-Octene	ND	ND	ND	0.14	U	ND	ND
n-Octane	0.30	0.30	0.48	0.37	0.41	8.47	0.42
Ethylbenzene	0.35	0.38	0.70	0.42	0.37	19.90	0.58
m-Xylene/p-Xylene	0.68	0.63	1.32	0.66	0.81	52.23	1.31
Styrene	ND	1.50	2.22	0.76	0.28	23.05	0.65
o-Xylene	0.32	0.34	0.66	0.36	0.38	21.45	0.55
1-Nonene	ND	ND	ND	ND	ND	4.36	ND
n-Nonane	ND	0.21	0.41	0.30	0.31	15.19	0.37
Isopropylbenzene	0.27	U	0.30	0.41	0.36	2.17	0.35
α-Pinene	ND	ND	ND	ND	ND	10.60	ND
n-Propylbenzene	0.24	U	0.20	0.36	0.25	U	0.47
m-Ethyltoluene	0.49	0.67	0.95	0.71	0.69	11.37	0.89
p-Ethyltoluene	0.27	U	0.21	0.26	U	10.89	0.45
1,3,5-Trimethylbenzene	ND	0.20	0.21	0.21	ND	5.90	0.27
o-Ethyltoluene	0.32	0.25	U	0.32	ND	8.56	0.34
β-Pinene	0.36	ND	ND	ND	ND	6.37	ND
1,2,4-Trimethylbenzene	0.35	0.61	0.98	0.48	0.20	18.92	0.74
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.56	0.40	0.71	0.50	0.24	205.91	2.11
1,2,3-Trimethylbenzene	0.41	0.97	0.72	0.51	0.24	6.72	0.56
m-Diethylbenzene	0.18	U	1.63	0.34	0.36	ND	0.45
p-Diethylbenzene	0.38	0.83	0.62	0.70	0.34	ND	0.66
1-Undecene	0.60	0.32	U	0.30	U	ND	ND
n-Undecane	2.95	3.04	3.08	2.94	1.11	665.07	12.35
1-Dodecene	ND	ND	0.37	ND	ND	ND	0.17
n-Dodecane	2.14	1.25	1.61	1.77	0.24	U	515.13
1-Tridecene	ND	ND	ND	ND	ND	1.86	ND
n-Tridecane	0.40	U	0.52	U	0.59	U	51.74
TNMOC (speciated)	63.28	57.71	78.62	50.14	43.13	5583.59	84.80
TNMOC (w/ unknowns)	107.19	159.69	203.34	127.52	61.35	6475.42	180.19

NR Not reported due to a large interfering non-target peak.
U Under detection limit.

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(Reported in ppbC)

Sample No.:	SFSD 27545 D1	SFSD 27545 R1	SFSD 27547 D2	SFSD 27547 R2	SFSD 27666	SFSD 27813	SFSD 27818
Sampling Date:	5/14/2002	5/14/2002	5/14/2002	5/14/2002	5/20/2002	5/26/2002	6/1/2002
Analysis Date:	5/20/2002	5/21/2002	5/20/2002	5/21/2002	5/24/2002	6/5/2002	6/5/2002
Filename:	L2ET013	L2EU011	L2ET014	L2EU012	L2EW021	L2FE006	L2FE007
Ethylene	2.30	2.15	2.07	2.15	1.42	1.78	2.67
Acetylene	1.76	1.72	1.70	1.76	0.99	1.12	1.17
Ethane	4.79	4.90	4.81	4.87	3.69	4.51	3.76
Propylene	0.98	0.90	0.88	0.94	0.78	1.02	1.27
Propane	4.12	4.14	3.40	3.46	4.66	5.92	3.42
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	1.47	1.44	1.37	1.45	0.62	3.74	1.55
Isobutene/1-Butene	1.32	1.30	1.39	1.25	1.14	1.22	1.34
1,3-Butadiene	ND	0.14 U	ND	ND	ND	ND	ND
n-Butane	2.38	2.53	2.39	2.41	1.40	4.17	4.31
trans-2-Butene	0.33	0.37	0.32	0.34	0.34	0.33	0.41
cis-2-Butene	0.42	0.48	0.46	0.47	0.42	0.50	0.48
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	4.42	4.46	4.35	4.46	2.27	8.23	8.25
1-Pentene	0.51	0.44	0.12 U	0.39	0.34	0.56	0.55
2-Methyl-1-butene	0.25	0.21 U	0.28	0.27	0.21 U	0.36	0.47
n-Pentane	1.78	1.75	1.78	1.78	1.06	3.74	2.59
Isoprene	0.42	0.47	0.46	0.41	0.26	0.46	0.71
trans-2-Pentene	0.41	0.44	0.40	0.42	0.34	0.58	0.55
cis-2-Pentene	0.46	0.44	0.41	0.43	0.37	0.49	0.49
2-Methyl-2-butene	0.23 U	0.26	0.30	0.29	0.20 U	0.35	0.39
2,2-Dimethylbutane	0.69	0.72	0.64	0.62	0.58	0.67	0.82
Cyclopentene	ND	ND	ND	ND	ND	0.19 U	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.46	0.46	0.39	0.43	0.25	0.56	0.50
2,3-Dimethylbutane	0.79	0.78	0.77	0.79	0.62	0.84	0.90
2-Methylpentane	1.33	1.33	1.33	1.39	0.86	1.80	2.71
3-Methylpentane	1.24	1.30	1.30	1.33	1.03	1.40	1.45
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.54	0.65	0.50	0.56	0.62	0.69	0.62
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	1.18	1.30	1.16	1.26	0.64	1.72	1.13
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.72	0.72	0.76	0.76	0.49	0.75	0.72
2,4-Dimethylpentane	0.54	0.58	0.60	0.60	0.53	0.60	0.64
Benzene	1.70	1.73	1.66	1.66	1.22	1.79	1.74
Cyclohexane	0.76	0.73	0.76	0.74	0.55	0.96	0.59
2-Methylhexane	1.10	1.15	1.01	1.14	0.78	0.97	0.91
2,3-Dimethylpentane	0.97	0.98	0.89	0.96	0.71	0.95	0.96
3-Methylhexane	0.88	0.89	0.80	0.83	0.81	1.11	1.03
1-Heptene	ND	ND	ND	ND	ND	0.15 U	ND
2,2,4-Trimethylpentane	0.90	0.92	1.01	0.92	0.79	1.14	1.11
n-Heptane	0.84	0.87	0.76	0.80	0.43	0.55	0.58
Methylcyclohexane	0.78	0.81	0.75	0.75	0.40	0.45	0.52
2,2,3-Trimethylpentane	0.18 U	0.13 U	0.15 U	ND	ND	ND	ND
2,3,4-Trimethylpentane	0.42	0.45	0.46	0.43	0.30	0.52	0.44
Toluene	4.75	4.63	4.49	4.50	1.78	11.02	3.20
2-Methylheptane	0.77	0.79	0.72	0.68	0.38	0.33	0.27
3-Methylheptane	0.84	0.84	0.67	0.65	0.34	0.30	0.37
1-Octene	ND	ND	ND	ND	ND	0.20 U	ND
n-Octane	1.68	1.84	1.46	1.35	0.60	0.46	0.48
Ethylbenzene	0.53	0.61	0.59	0.58	0.44	0.65	0.48
m-Xylene/p-Xylene	1.52	1.44	1.50	1.51	0.84	1.41	1.27
Styrene	0.16	ND	0.15	0.21	ND	0.29	0.83
o-Xylene	0.67	0.66	0.52	0.69	0.39	0.61	0.57
1-Nonene	ND	ND	ND	ND	ND	ND	ND
n-Nonane	0.69	0.74	0.50	0.50	0.44	0.36	0.44
Isopropylbenzene	0.29 U	0.25 U	0.32	0.30	0.32	0.41	0.39
à-Pinene	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.26 U	0.28 U	0.29 U	0.29 U	0.45	0.33	0.52
m-Ethyltoluene	0.83	0.82	0.83	0.88	1.01	0.78	0.80
p-Ethyltoluene	0.40	0.41	0.40	0.44	0.52	0.53	0.48
1,3,5-Trimethylbenzene	0.19	0.18 U	0.16 U	0.23	0.46	0.16 U	0.31
o-Ethyltoluene	0.34	0.36	0.29 U	0.37	0.50	0.40	0.42
b-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.46	0.54	0.60	0.63	1.47	0.88	0.78
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.63	0.59	0.57	0.59	0.67	0.80	0.71
1,2,3-Trimethylbenzene	0.31	0.28	0.32	0.35	0.81	1.60	0.73
m-Diethylbenzene	0.14 U	0.19 U	ND	0.30	0.32	ND	0.30
p-Diethylbenzene	0.26	0.25	0.27	0.30	0.81	0.60	0.44
1-Undecene	ND	ND	ND	ND	0.30 U	0.41	0.25 U
n-Undecane	1.38	1.25	1.79	1.69	2.77	3.22	2.80
1-Dodecene	ND	ND	ND	0.08 U	ND	0.15 U	0.38 U
n-Dodecane	0.39 U	0.33 U	0.74 U	0.65 U	1.04	2.32	1.80
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	ND	0.17 U	0.72 U	0.22 U
TNMOC (speciated)	61.78	62.32	59.75	61.24	48.90	85.78	70.98
TNMOC (w/ unknowns)	87.11	86.43	86.29	85.29	104.91	142.16	144.09

NR Not reported due to a large interfering non-target peak.
U Under detection limit.

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(Reported in ppbC)

Sample No.:	SFSD 27921	SFSD 28121	SFSD 28243	SFSD 28358 D1	SFSD 28358 R1	SFSD 28360 D2	SFSD 28360 R2
Sampling Date:	6/7/2002	6/13/2002	6/19/2002	6/25/2002	6/25/2002	6/25/2002	6/25/2002
Analysis Date:	7/2/2002	7/3/2002	7/13/2002	7/19/2002	8/12/2002	7/21/2002	8/13/2002
Filename:	L2GB013	L2GB018	N2GL018	N2GR026	L2HL009	N2GT020	N2HL021
Ethylene	1.51	3.19	1.44	3.13	4.23	3.25	3.25
Acetylene	0.91	1.11	1.08	2.21	2.24	2.17	2.17
Ethane	6.27	3.26	9.03	3.66	4.57	3.87	3.90
Propylene	0.85	1.75	1.04	1.19	1.73	1.10	1.22
Propane	5.88	3.12	8.79	7.22	8.11	6.38	6.49
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	1.32	0.94	1.92	4.02	4.64	4.29	4.27
Isobutene/1-Butene	1.19	1.85	1.42	1.45	1.83	1.57	1.61
1,3-Butadiene	ND	ND	ND	ND	ND	0.21 U	ND
n-Butane	3.34	1.87	4.26	4.31	4.93	4.46	4.52
trans-2-Butene	0.32	0.31	0.21	0.26	0.58	0.23	0.24
cis-2-Butene	0.42	0.46	0.25	0.31	0.78	0.30	0.31
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	4.88	4.14	4.37	23.74	NR	23.51	17.50
1-Pentene	0.39	0.31	0.36	0.36	0.55	0.46	0.46
2-Methyl-1-butene	0.28	0.38	0.27	0.26	0.61	0.48	0.38
n-Pentane	1.87	1.44	2.48	3.37	4.09	3.42	3.52
Isoprene	1.00	1.21	2.01	2.78	3.00	2.68	2.68
trans-2-Pentene	0.41	0.33	0.82	0.23	0.82	0.92	0.60
cis-2-Pentene	0.40	0.32	0.28	0.41	0.74	0.38	0.39
2-Methyl-2-butene	0.23 U	0.26	0.44	0.32	0.38	0.37	0.30
2,2-Dimethylbutane	0.69	0.78	0.34	0.58	1.52	0.54	0.58
Cyclopentene	0.28	ND	ND	ND	ND	ND	0.40
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.49	0.35	0.94	0.49	0.83	0.66	1.10
2,3-Dimethylbutane	0.75	0.55	0.63	0.97	1.59	1.02	1.13
2-Methylpentane	1.47	3.86	1.13	1.70	2.72	1.69	1.69
3-Methylpentane	1.12	0.87	0.68	1.13	1.79	1.07	5.56
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.55	0.86	0.62	0.53	1.13	0.96	0.68
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	1.21	0.68	1.02	1.38	1.85	1.42	1.44
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.59	0.44	0.63	1.33	1.25	1.27	1.04
2,4-Dimethylpentane	0.52	0.57	0.29	0.76	1.13	0.65	1.43
Benzene	1.38	1.04	1.51	2.00	2.25	1.83	1.98
Cyclohexane	0.47	0.44	1.59	1.22	1.28	2.38	2.94
2-Methylhexane	0.67	1.46	0.85	1.09	1.34	1.09	1.32
2,3-Dimethylpentane	0.70	1.03	0.80	1.11	1.70	1.30	1.70
3-Methylhexane	1.40	ND	0.60	0.68	0.95	0.92	1.02
1-Heptene	ND	0.29	0.15 U	ND	ND	ND	ND
2,2,4-Trimethylpentane	1.02	1.08	0.74	3.14	3.40	3.27	3.38
n-Heptane	0.53	0.44	0.66	0.73	0.71	0.85	0.75
Methylcyclohexane	0.51	0.76	0.31	0.37	0.84	0.39	0.40
2,2,3-Trimethylpentane	ND	ND	0.29	0.35	0.37	0.55	0.54
2,3,4-Trimethylpentane	0.41	0.29	0.38	0.76	1.31	0.74	0.75
Toluene	2.58	2.44	2.75	14.94	12.45	18.62	19.75
2-Methylheptane	0.75	0.35	0.19 U	5.27	0.59	7.33	6.62
3-Methylheptane	0.77	0.26	0.57	0.58	0.62	1.23	0.90
1-Octene	ND	0.29	ND	ND	ND	ND	ND
n-Octane	1.89	0.55	0.41	1.21	1.24	2.30	2.36
Ethylbenzene	0.50	0.44	0.40	1.33	1.44	1.45	1.61
m-Xylene/p-Xylene	1.17	1.13	1.12	3.17	2.28	3.46	3.59
Styrene	0.86	3.95	0.26	3.50	2.42	3.83	3.57
o-Xylene	0.65	0.48	1.67	2.05	1.20	2.71	1.66
1-Nonene	ND	0.16 U	ND	ND	3.49	ND	0.19 U
n-Nonane	1.74	0.36	0.40	1.98	0.92	2.05	2.07
Isopropylbenzene	0.23 U	0.31	1.56	0.77	0.65	0.87	1.04
α-Pinene	0.62	ND	1.09	4.26	1.00	4.49	ND
n-Propylbenzene	0.29	0.55	0.33	0.63	0.57	0.70	0.77
m-Ethyltoluene	0.78	0.56	0.54	1.13	0.90	1.09	1.11
p-Ethyltoluene	0.55	0.38	0.66	0.80	0.88	0.81	0.74
1,3,5-Trimethylbenzene	0.44	0.22	0.19	0.61	0.47	0.57	0.52
o-Ethyltoluene	1.00	0.28 U	ND	0.74	0.84	1.14	1.13
β-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	1.22	0.70	1.26	ND	1.24	4.02	1.86
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	3.99	17.37	0.56	ND	5.91	6.02	6.22
1,2,3-Trimethylbenzene	0.40	ND	0.54	ND	0.84	0.94	2.67
m-Diethylbenzene	0.32	0.48	0.55	ND	1.10	0.31	0.26 U
p-Diethylbenzene	0.40	0.33	0.96	ND	0.56	0.38	0.42
1-Undecene	0.22 U	ND	ND	ND	ND	ND	ND
n-Undecane	7.98	69.76	2.72	ND	26.98	24.91	27.21
1-Dodecene	ND	ND	ND	ND	1.11	ND	ND
n-Dodecane	5.03	77.58	0.48 U	ND	19.89	9.27	14.86
1-Tridecene	ND	ND	ND	ND	1.88	ND	ND
n-Tridecane	0.67 U	17.05	ND	ND	0.66 U	ND	ND
TNMOC (speciated)	81.23	238.00	73.79	122.50	163.88	181.11	184.76
TNMOC (w/ unknowns)	147.17	407.37	365.11	403.97	442.32	375.93	399.77

NR Not reported due to a large interfering non-target peak.
U Under detection limit.

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(Reported in ppbC)

Sample No.:	SFSD 28544	SFSD 28654	SFSD 28765	SFSD 28852	SFSD 28986	SFSD 29075	SFSD 29185
Sampling Date:	7/1/2002	7/7/2002	7/13/2002	7/19/2002	7/25/2002	7/31/2002	8/6/2002
Analysis Date:	8/1/2002	8/2/2002			8/14/2002	8/30/2002	
Filename:	L2HA007	L2HB008	VOID	VOID	L2HM017	L2H\$013	VOID
Ethylene	2.43	1.85			2.63	3.73	
Acetylene	0.37	0.60			0.95	0.68	
Ethane	5.56	4.13			3.87	5.45	
Propylene	1.80	1.40			1.66	2.80	
Propane	8.98	7.34			5.84	8.25	
Propyne	ND	ND			ND	ND	
Isobutane	1.38	1.14			1.50	1.75	
Isobutene/1-Butene	2.12	1.65			2.14	4.66	
1,3-Butadiene	ND	ND			ND	ND	
n-Butane	2.61	2.88			3.79	7.09	
trans-2-Butene	0.61	0.52			0.61	0.51	
cis-2-Butene	0.87	0.67			0.90	0.78	
3-Methyl-1-butene	ND	ND			ND	ND	
Isopentane	28.60	8.13			8.21	71.45	
1-Pentene	0.31	ND			ND	0.34	
2-Methyl-1-butene	0.51	0.40			0.58	0.93	
n-Pentane	2.95	2.69			4.29	2.09	
Isoprene	1.68	1.84			1.81	2.70	
trans-2-Pentene	0.63	0.64			0.87	0.65	
cis-2-Pentene	0.69	0.70			0.83	0.57	
2-Methyl-2-butene	0.39	0.22	U		0.45	0.46	
2,2-Dimethylbutane	1.07	1.15			1.38	0.88	
Cyclopentene	0.45	0.41			0.45	ND	
4-Methyl-1-pentene	ND	ND			ND	ND	
Cyclopentane	0.76	0.68			0.79	0.58	
2,3-Dimethylbutane	1.27	1.31			1.52	0.92	
2-Methylpentane	2.61	1.68			3.63	5.03	
3-Methylpentane	1.12	1.34			1.86	0.96	
2-Methyl-1-pentene	ND	ND			ND	ND	
1-Hexene	1.06	1.12			1.27	0.86	
2-Ethyl-1-butene	ND	ND			ND	ND	
n-Hexane	1.13	1.09			1.42	0.99	
trans-2-Hexene	ND	ND			ND	ND	
cis-2-Hexene	ND	ND			ND	ND	
Methylcyclopentane	1.50	0.90			1.09	1.50	
2,4-Dimethylpentane	0.97	0.93			1.11	0.67	
Benzene	1.51	1.49			1.85	1.29	
Cyclohexane	1.01	1.01			1.07	0.82	
2-Methylhexane	1.17	1.42			1.58	1.61	
2,3-Dimethylpentane	1.40	1.34			1.50	1.01	
3-Methylhexane	0.90	0.60			0.82	ND	
1-Heptene	0.37	0.29			0.56	0.25	U
2,2,4-Trimethylpentane	1.57	1.49			1.73	1.34	
n-Heptane	0.63	0.61			0.60	0.47	
Methylcyclohexane	0.70	0.63			0.76	0.63	
2,2,3-Trimethylpentane	0.35	ND			0.24	0.30	
2,3,4-Trimethylpentane	0.82	0.61			0.73	0.79	
Toluene	4.18	2.67			3.69	3.45	
2-Methylheptane	0.41	0.37			0.39	0.26	
3-Methylheptane	0.53	0.52			0.43	0.33	
1-Octene	ND	ND			0.30	0.20	U
n-Octane	0.71	0.59			0.62	0.65	
Ethylbenzene	0.52	0.58			0.74	0.44	
m-Xylene/p-Xylene	0.99	1.42			1.43	1.12	
Styrene	2.19	1.35			1.66	2.17	
o-Xylene	0.67	0.63			0.80	0.72	
1-Nonene	ND	ND			0.21	ND	
n-Nonane	0.39	0.51			0.56	1.19	
Isopropylbenzene	0.50	0.32			0.48	0.41	
à-Pinene	1.85	0.89			0.78	2.58	
n-Propylbenzene	0.29	0.33			0.36	0.37	
m-Ethyltoluene	0.80	0.67			0.78	0.71	
p-Ethyltoluene	0.78	0.76			0.84	0.56	
1,3,5-Trimethylbenzene	0.48	0.32			0.36	0.44	
o-Ethyltoluene	0.85	1.05			0.75	1.16	
b-Pinene	ND	1.94			2.41	1.89	
1,2,4-Trimethylbenzene	1.46	0.96			1.39	1.11	
1-Decene	ND	ND			ND	ND	
n-Decane	1.02	0.89			0.93	2.98	
1,2,3-Trimethylbenzene	1.91	1.08			2.74	1.04	
m-Diethylbenzene	3.78	2.20			3.14	1.49	
p-Diethylbenzene	0.86	0.74			0.98	0.37	
1-Undecene	0.55	0.49			0.65	0.36	
n-Undecane	4.15	4.24			3.20	3.47	
1-Dodecene	ND	ND			ND	ND	
n-Dodecane	1.14	1.81			1.12	0.74	U
1-Tridecene	ND	ND			ND	ND	
n-Tridecane	0.28	U	0.35	U	0.36	U	ND
TNMOC (speciated)	116.10	84.54			98.99	165.94	
TNMOC (w/ unknowns)	259.42	151.65			180.61	326.63	

NR Not reported due to a large interfering non-target peak.
U Under detection limit.

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(Reported in ppbC)

Sample No.:	SFSD 29308	SFSD 29316	SFSD 29469	SFSD 29642	SFSD 29743	SFSD 29878	SFSD 29908
Sampling Date:	8/12/2002	8/18/2002	8/24/2002	8/30/2002	9/5/2002	9/11/2002	9/17/2002
Analysis Date:	9/4/2002	9/5/2002					10/16/2002
Filename:	L2ID006	L2IE008	VOID	VOID	VOID	VOID	L2JP007
Ethylene	3.10	1.92					1.78
Acetylene	2.07	1.02					0.91
Ethane	3.96	3.98					5.86
Propylene	2.01	1.09					1.14
Propane	8.19	5.47					5.45
Propyne	ND	ND					ND
Isobutane	1.32	1.16					1.21
Isobutene/1-Butene	2.00	1.19					1.13
1,3-Butadiene	ND	0.15	U				ND
n-Butane	3.30	2.22					2.31
trans-2-Butene	0.57	0.49					0.36
cis-2-Butene	0.69	0.50					0.50
3-Methyl-1-butene	ND	ND					ND
Isopentane	8.88	5.59					4.55
1-Pentene	0.21	0.23					ND
2-Methyl-1-butene	0.67	0.34					0.21
n-Pentane	28.72	3.20					1.66
Isoprene	0.89	0.72					0.78
trans-2-Pentene	0.72	0.47					0.34
cis-2-Pentene	0.69	0.46					0.46
2-Methyl-2-butene	0.74	0.30					0.22
2,2-Dimethylbutane	1.08	0.67					0.77
Cyclopentene	0.22	ND					ND
4-Methyl-1-pentene	ND	ND					ND
Cyclopentane	1.02	0.47					0.67
2,3-Dimethylbutane	1.12	0.86					0.89
2-Methylpentane	2.69	1.67					1.09
3-Methylpentane	1.48	1.11					1.04
2-Methyl-1-pentene	ND	ND					ND
1-Hexene	0.94	0.55					0.53
2-Ethyl-1-butene	ND	ND					ND
n-Hexane	1.32	0.89					0.83
trans-2-Hexene	ND	ND					ND
cis-2-Hexene	ND	ND					ND
Methylcyclopentane	1.01	0.60					0.65
2,4-Dimethylpentane	0.83	0.59					0.68
Benzene	1.80	1.57					1.32
Cyclohexane	0.95	0.65					0.83
2-Methylhexane	1.28	1.12					0.93
2,3-Dimethylpentane	1.13	1.02					0.76
3-Methylhexane	0.78	0.78					0.40
1-Heptene	0.29	ND					ND
2,2,4-Trimethylpentane	1.32	0.80					1.13
n-Heptane	0.61	0.55					0.42
Methylcyclohexane	1.00	0.72					0.45
2,2,3-Trimethylpentane	ND	ND					ND
2,3,4-Trimethylpentane	0.59	0.41					0.48
Toluene	5.35	5.08					2.46
2-Methylheptane	0.37	0.35					0.77
3-Methylheptane	0.41	0.34					0.41
1-Octene	0.22	ND					ND
n-Octane	0.56	0.61					0.48
Ethylbenzene	0.61	0.59					0.59
m-Xylene/p-Xylene	1.42	1.39					0.98
Styrene	1.13	0.33					0.29
o-Xylene	0.70	0.66					0.47
1-Nonene	ND	ND					ND
n-Nonane	0.45	0.40					0.55
Isopropylbenzene	0.46	0.34					0.61
α-Pinene	ND	ND					ND
n-Propylbenzene	0.45	0.49					0.23
m-Ethyltoluene	0.75	0.42					1.10
p-Ethyltoluene	0.65	1.13					0.41
1,3,5-Trimethylbenzene	0.36	0.17	U				0.43
o-Ethyltoluene	0.51	0.46					ND
β-Pinene	1.44	1.31					ND
1,2,4-Trimethylbenzene	1.12	0.67					0.66
1-Decene	ND	ND					ND
n-Decane	0.90	0.47					ND
1,2,3-Trimethylbenzene	0.93	0.73					0.64
m-Diethylbenzene	2.08	0.87					ND
p-Diethylbenzene	0.82	0.95					0.47
1-Undecene	0.56	0.63					ND
n-Undecane	4.23	2.51					2.36
1-Dodecene	ND	ND					ND
n-Dodecane	1.12	0.57	U				1.61
1-Tridecene	ND	ND					ND
n-Tridecane	0.22	0.20	U				ND
TNMOC (speciated)	117.98	67.18					58.21
TNMOC (w/ unknowns)	195.29	187.68					131.39

NR Not reported due to a large interfering non-target peak.
U Under detection limit.

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(Reported in ppbC)

Sample No.:	SFSD 30010	SFSD 30041	SFSD 30102	SFSD 30217	SFSD 30184	SFSD 30294	SFSD 30385 D1
Sampling Date:	9/23/2002	9/29/2002	10/5/2002	10/11/2002	10/11/2002	10/17/2002	10/23/2002
Analysis Date:	10/17/2002	10/18/2002	10/22/2002	10/24/2002		11/13/2002	11/23/2002
Filename:	L2JQ005	L2JQ016	L2JV015	L2JW018	VOID	N2KL024	L2KV018
Ethylene	2.18	2.68	2.75	2.33		2.86	1.51
Acetylene	1.17	1.70	1.78	1.72		2.17	1.13
Ethane	4.29	7.55	5.82	6.28		5.58	5.36
Propylene	1.46	1.35	1.46	1.13		1.39	0.57
Propane	4.21	9.03	6.93	8.18		7.85	6.10
Propyne	ND	ND	ND	ND		ND	ND
Isobutane	1.08	1.63	1.20	3.19		1.78	2.46
Isobutene/1-Butene	1.42	1.27	1.53	1.56		2.78	0.60
1,3-Butadiene	ND	ND	ND	ND		ND	ND
n-Butane	2.55	3.47	2.48	5.78		3.69	4.91
trans-2-Butene	0.45	0.38	0.38	0.39		0.33	ND
cis-2-Butene	0.56	0.60	0.55	0.53		0.34	ND
3-Methyl-1-butene	ND	ND	ND	ND		ND	ND
Isopentane	6.81	6.48	5.43	27.79		5.78	9.35
1-Pentene	ND	0.52	ND	ND		0.65	0.33
2-Methyl-1-butene	0.37	0.30	0.29	0.33		0.36	0.20
n-Pentane	1.96	2.26	1.82	5.97		2.23	5.45
Isoprene	0.49	0.64	0.58	16.88		0.40	9.33
trans-2-Pentene	0.44	0.53	0.40	0.78		0.53	0.24
cis-2-Pentene	0.48	0.51	0.46	0.52		0.40	ND
2-Methyl-2-butene	0.28	0.29	0.31	0.41		0.47	ND
2,2-Dimethylbutane	0.87	0.80	0.74	0.95		0.45	ND
Cyclopentene	ND	ND	ND	0.47		0.21	ND
4-Methyl-1-pentene	ND	ND	ND	ND		ND	0.38
Cyclopentane	0.65	0.59	0.71	0.68		0.25	0.24
2,3-Dimethylbutane	0.88	1.00	0.93	0.95		0.73	0.38
2-Methylpentane	1.25	1.34	1.31	1.40		1.52	1.04
3-Methylpentane	1.23	1.27	1.33	1.66		1.00	0.71
2-Methyl-1-pentene	ND	ND	ND	ND		ND	0.58
1-Hexene	0.66	0.73	0.79	0.50		1.39	0.31
2-Ethyl-1-butene	ND	ND	ND	ND		ND	ND
n-Hexane	0.78	1.12	1.05	1.09		0.93	0.78
trans-2-Hexene	ND	ND	ND	ND		ND	ND
cis-2-Hexene	ND	ND	ND	ND		ND	ND
Methylcyclopentane	0.79	0.77	0.73	0.85		0.80	0.55
2,4-Dimethylpentane	0.81	0.78	0.60	0.73		0.42	ND
Benzene	1.43	1.82	1.73	2.00		2.05	1.24
Cyclohexane	1.04	0.87	0.93	1.17		1.38	0.43
2-Methylhexane	1.28	1.16	0.86	2.24		0.40	0.83
2,3-Dimethylpentane	0.94	1.12	1.09	1.77		0.45	0.75
3-Methylhexane	0.75	0.60	0.45	ND		2.16	0.59
1-Heptene	ND	ND	0.29	0.25	U	0.77	ND
2,2,4-Trimethylpentane	1.15	1.37	1.27	1.29		0.94	2.15
n-Heptane	0.40	0.48	0.59	1.48		0.54	0.50
Methylcyclohexane	0.46	0.48	0.46	0.93		0.37	0.35
2,2,3-Trimethylpentane	ND	ND	0.21	ND	U	0.22	ND
2,3,4-Trimethylpentane	0.62	0.76	0.52	0.50		0.44	0.31
Toluene	3.98	4.27	4.72	28.54		4.02	8.52
2-Methylheptane	0.60	0.59	0.52	0.57		0.19	ND
3-Methylheptane	0.52	0.44	0.40	0.56		0.45	ND
1-Octene	ND	ND	ND	0.26		ND	ND
n-Octane	0.65	0.61	0.45	1.27		0.49	0.60
Ethylbenzene	0.51	0.56	0.73	2.36		0.54	0.61
m-Xylene/p-Xylene	1.13	1.08	1.11	3.38		2.03	1.37
Styrene	0.59	0.53	0.45	0.61		0.41	1.04
o-Xylene	0.53	0.61	0.67	1.56		0.82	0.83
1-Nonene	ND	ND	ND	ND		0.25	ND
n-Nonane	0.48	0.35	0.33	0.78		0.32	0.25
Isopropylbenzene	0.56	0.43	0.37	0.95		0.72	ND
α-Pinene	0.46	0.61	0.71	2.68		ND	ND
n-Propylbenzene	0.48	0.47	0.51	0.89		0.50	0.24
m-Ethyltoluene	1.11	0.93	0.93	1.55		1.23	0.83
p-Ethyltoluene	0.48	0.57	0.67	0.78		0.46	ND
1,3,5-Trimethylbenzene	0.30	0.37	0.22	0.84		0.30	0.21
o-Ethyltoluene	0.49	0.37	0.48	0.91		0.35	0.20
β-Pinene	ND	0.78	0.85	1.24		0.70	ND
1,2,4-Trimethylbenzene	0.96	0.87	1.03	2.08		1.68	0.45
1-Decene	ND	ND	ND	ND		0.35	ND
n-Decane	1.64	0.94	0.64	1.34		0.76	2.03
1,2,3-Trimethylbenzene	0.70	ND	1.90	0.37		ND	0.83
m-Diethylbenzene	1.22	0.61	0.58	0.33		0.49	ND
p-Diethylbenzene	0.74	0.37	0.82	0.23		0.67	ND
1-Undecene	0.43	0.31	U	0.57		1.08	ND
n-Undecane	2.54	2.73	2.37	6.12		3.32	4.65
1-Dodecene	ND	ND	ND	0.37	U	0.27	ND
n-Dodecane	0.38	U	0.40	U		0.90	3.05
1-Tridecene	ND	ND	ND	ND		ND	ND
n-Tridecane	ND	ND	ND	1.27		ND	ND
TNMOC (speciated)	67.65	79.66	73.17	171.98		80.29	85.12
TNMOC (w/ unknowns)	130.18	125.64	152.15	236.31		131.10	261.68

NR Not reported due to a large interfering non-target peak.
U Under detection limit.

Souix Falls, South Dakota (SFSD) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ppbC)

Sample No.:	SFSD 30385 R1	SFSD 30387 D2	SFSD 30387 R2	SFSD 30980	SFSD 30599 D1	SFSD 30601 D2	SFSD 30734
Sampling Date:	10/23/2002	10/23/2002	10/23/2002	10/29/2002	11/10/2002	11/10/2002	11/16/2002
Analysis Date:	11/25/2002	11/25/2002	11/27/2002				12/16/2002
Filename:	L2KY005	L2KY006	L2KZ011	VOID	VOID	VOID	N2LP007
Ethylene	2.75	2.62	2.22				3.82
Acetylene	1.44	1.42	1.37				2.73
Ethane	7.66	8.14	7.36				8.22
Propylene	1.21	1.21	0.86				2.75
Propane	8.71	8.81	7.33				14.64
Propyne	ND	ND	ND				ND
Isobutane	3.91	3.18	3.04				2.36
Isobutene/1-Butene	0.46	1.39	1.22				2.46
1,3-Butadiene	ND	ND	ND				0.12 U
n-Butane	7.19	6.88	6.78				5.02
trans-2-Butene	0.65	0.57	0.41				0.83
cis-2-Butene	0.87	1.17	0.65				0.94
3-Methyl-1-butene	ND	ND	ND				ND
Isopentane	12.04	10.68	10.41				5.63
1-Pentene	ND	ND	ND				0.82
2-Methyl-1-butene	ND	ND	ND				0.32
n-Pentane	6.65	2.93	3.01				2.40
Isoprene	11.75	11.01	10.99				1.19
trans-2-Pentene	0.58	0.66	0.31				0.95
cis-2-Pentene	0.78	0.76	0.44				1.10
2-Methyl-2-butene	ND	ND	ND				0.30
2,2-Dimethylbutane	ND	1.38	0.81				1.39
Cyclopentene	ND	ND	ND				ND
4-Methyl-1-pentene	ND	ND	ND				ND
Cyclopentane	0.87	0.84	0.69				0.78
2,3-Dimethylbutane	1.48	1.42	0.98				1.83
2-Methylpentane	1.75	1.49	1.25				1.49
3-Methylpentane	1.72	1.48	1.16				2.79
2-Methyl-1-pentene	0.92	0.63	ND				1.03
1-Hexene	1.13	1.09	0.84				2.81
2-Ethyl-1-butene	ND	ND	ND				ND
n-Hexane	1.58	1.33	0.99				1.70
trans-2-Hexene	ND	ND	ND				ND
cis-2-Hexene	ND	0.99	ND				ND
Methylcyclopentane	1.12	1.08	0.76				1.21
2,4-Dimethylpentane	1.11	1.07	0.68				1.39
Benzene	2.06	1.82	1.42				2.78
Cyclohexane	1.58	1.21	0.87				1.45
2-Methylhexane	1.03	0.69	0.64				2.15
2,3-Dimethylpentane	2.17	2.02	1.31				1.55
3-Methylhexane	1.50	1.27	0.70				2.47
1-Heptene	ND	ND	ND				ND
2,2,4-Trimethylpentane	3.57	3.64	3.23				2.19
n-Heptane	1.13	1.05	0.77				1.26
Methylcyclohexane	1.09	1.10	0.70				1.14
2,2,3-Trimethylpentane	ND	ND	ND				ND
2,3,4-Trimethylpentane	1.12	0.98	0.78				0.92
Toluene	13.08	8.68	7.57				5.87
2-Methylheptane	0.68	0.72	0.40				0.86
3-Methylheptane	0.67	0.74	0.41				0.75
1-Octene	ND	ND	ND				ND
n-Octane	1.41	1.42	1.02				1.15
Ethylbenzene	1.45	1.12	0.83				1.05
m-Xylene/p-Xylene	3.11	2.88	2.15				2.39
Styrene	1.51	1.62	1.27				0.71
o-Xylene	1.52	1.42	1.11				0.97
1-Nonene	ND	ND	ND				0.18 U
n-Nonane	0.97	0.80	0.65				0.79
Isopropylbenzene	1.28	1.25	0.76				0.97
à-Pinene	ND	ND	ND				ND
n-Propylbenzene	0.91	0.92	0.54				0.68
m-Ethyltoluene	1.60	1.19	1.00				0.70
p-Ethyltoluene	1.00	0.91	0.50				0.71
1,3,5-Trimethylbenzene	0.77	0.73	0.44				0.42
o-Ethyltoluene	0.83	0.61	0.53				0.59
b-Pinene	ND	ND	ND				ND
1,2,4-Trimethylbenzene	1.24	1.29	1.01				0.93
1-Decene	ND	ND	ND				ND
n-Decane	3.61	2.84	2.64				0.60
1,2,3-Trimethylbenzene	0.74	0.88	0.69				0.51
m-Diethylbenzene	ND	0.48	ND				0.53
p-Diethylbenzene	0.35	0.38	ND				0.16
1-Undecene	ND	ND	ND				ND
n-Undecane	6.68	6.56	5.92				0.41
1-Dodecene	ND	ND	ND				ND
n-Dodecane	4.54	4.71	3.81				ND
1-Tridecene	ND	ND	ND				ND
n-Tridecane	ND	ND	ND				ND
TNMOC (speciated)	141.51	130.13	108.20				110.79
TNMOC (w/ unknowns)	338.74	334.13	288.92				199.55

NR Not reported due to a large interfering non-target peak.
U Under detection limit.

Souix Falls, South Dakota (SFSD) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ppbC)

Sample No.:	SFSD 30885	SFSD 30870	SFSD 31114	SFSD 31278	SFSD 31281	SFSD 31312	SFSD 31355
Sampling Date:	11/22/2002	11/28/2002	12/4/2002	12/10/2002	12/16/2002	12/22/2002	12/28/2002
Analysis Date:		12/21/2002	12/23/2002	1/8/2003	1/11/2003		1/18/2003
Filename:	VOID	N2LT017	N2LW009	L3AG024	N3AJ018	VOID	L3AQ021
Ethylene		2.30	34.47	3.83	4.66		4.54
Acetylene		2.27	26.15	2.14	1.83		4.21
Ethane		8.66	11.42	10.78	7.57		12.07
Propylene		1.16	15.32	1.59	2.61		2.16
Propane		11.80	46.01	10.71	8.57		13.76
Propyne		ND	ND	ND	ND		ND
Isobutane		3.22	54.21	2.66	2.09		7.77
Isobutene/1-Butene		1.09	13.36	6.78	5.24		2.95
1,3-Butadiene		0.12	U	0.36	0.10	U	0.29
n-Butane		7.35	62.96	8.02	4.49		17.28
trans-2-Butene		0.19	3.12	ND	0.11	U	0.27
cis-2-Butene		0.22	2.75	ND	0.16	U	0.30
3-Methyl-1-butene		ND	1.10	ND	ND		ND
Isopentane		7.60	206.61	10.57	3.19		17.25
1-Pentene		0.18	U	0.26	0.53		0.40
2-Methyl-1-butene		0.36	4.55	0.55	0.52		0.71
n-Pentane		6.82	583.36	3.80	2.44		5.86
Isoprene		0.12	U	2.71	6.57		0.96
trans-2-Pentene		0.67	7.56	0.19	0.12	U	0.58
cis-2-Pentene		0.23	3.46	ND	ND		0.21
2-Methyl-2-butene		0.48	7.40	ND	ND		0.64
2,2-Dimethylbutane		0.47	3.05	0.19	0.22		0.51
Cyclopentene		0.15	U	1.55	ND	U	0.40
4-Methyl-1-pentene		ND	0.33	ND	0.50		ND
Cyclopentane		0.85	6.09	0.51	0.45		0.55
2,3-Dimethylbutane		0.49	5.22	0.31	0.45		0.61
2-Methylpentane		1.43	23.94	1.16	5.11		2.19
3-Methylpentane		0.92	15.43	4.28	0.99		2.07
2-Methyl-1-pentene		ND	1.16	0.27	ND		ND
1-Hexene		0.13	U	1.25	0.70	1.25	0.29
2-Ethyl-1-butene		ND	ND	ND	ND		ND
n-Hexane		1.30	18.08	1.29	1.60		1.89
trans-2-Hexene		0.13	U	1.93	ND		ND
cis-2-Hexene		ND	ND	ND	0.55		ND
Methylcyclopentane		0.61	9.34	0.66	2.53		1.01
2,4-Dimethylpentane		0.26	2.82	ND	ND		0.51
Benzene		2.26	19.75	2.31	1.85		2.98
Cyclohexane		0.48	10.51	0.67	0.43		1.39
2-Methylhexane		0.97	6.41	ND	6.76		1.01
2,3-Dimethylpentane		0.31	3.75	1.16	ND		1.53
3-Methylhexane		0.42	7.02	7.72	40.88		1.59
1-Heptene		ND	ND	ND	0.66		ND
2,2,4-Trimethylpentane		1.23	14.06	3.58	1.59		2.87
n-Heptane		0.60	6.68	0.75	0.39		0.74
Methylcyclohexane		0.50	6.06	1.56	2.23		0.33
2,2,3-Trimethylpentane		ND	3.24	0.32	0.83		0.34
2,3,4-Trimethylpentane		0.43	4.94	0.41	0.42		0.42
Toluene		4.45	87.97	10.55	3.86		9.56
2-Methylheptane		0.14	U	2.83	0.36		0.23
3-Methylheptane		0.12	U	2.72	0.26	0.13	U
1-Octene		0.15	U	0.81	ND		ND
n-Octane		0.30	4.74	1.14	0.71		0.72
Ethylbenzene		0.55	14.66	1.17	0.46		1.12
m-Xylene/p-Xylene		1.89	46.19	3.18	5.28		2.95
Styrene		0.34	90.37	0.80	ND		0.90
o-Xylene		0.66	19.23	0.86	0.90		1.21
1-Nonene		0.22	U	3.12	0.20	U	0.51
n-Nonane		0.29	8.22	0.58	1.02		0.44
Isopropylbenzene		0.14	U	1.69	0.37		3.40
à-Pinene		ND	3.12	3.88	6.24		ND
n-Propylbenzene		0.15	U	4.76	0.70		1.63
m-Ethyltoluene		1.19	17.35	1.10	0.99		1.50
p-Ethyltoluene		0.30	U	7.77	0.80		2.09
1,3,5-Trimethylbenzene		0.16	U	10.29	0.57		1.01
o-Ethyltoluene		0.29	U	5.12	0.42		1.78
b-Pinene		0.78	ND	ND	ND		0.83
1,2,4-Trimethylbenzene		0.63	23.15	1.33	2.66		1.35
1-Decene		ND	ND	ND	ND		ND
n-Decane		0.83	134.87	0.80	2.83		0.97
1,2,3-Trimethylbenzene		0.77	3.42	1.50	2.17		1.09
m-Diethylbenzene		0.32	0.82	0.41	1.30		2.00
p-Diethylbenzene		0.95	1.51	1.64	1.94		1.07
1-Undecene		ND	0.75	0.51	ND		ND
n-Undecane		3.54	346.31	3.53	13.56		6.83
1-Dodecene		ND	ND	0.30	U		ND
n-Dodecane		0.92	72.79	1.35	2.85		1.55
1-Tridecene		ND	ND	ND	0.17	U	ND
n-Tridecane		ND	ND	ND	0.10	U	ND
TNMOC (speciated)		88.83	2187.10	134.96	174.86		153.03
TNMOC (w/ unknowns)		126.28	2352.76	753.47	661.12		316.46

NR Not reported due to a large interfering non-target peak.
U Under detection limit.

Souix Falls, South Dakota (CUSD) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ppbV)

Sample No.:	SFSD 24998	SFSD 25054	SFSD 25119	SFSD 25244	SFSD 25424 D1	SFSD 25424 R1	SFSD 25425 D2	
Sampling Date:	1/2/2002	1/8/2002	1/14/2002	1/20/2002	1/26/2002	1/26/2002	1/26/2002	
Analysis Date:	1/25/2002	1/25/2002	1/26/2002	1/29/2002	2/26/2002	2/28/2002	2/26/2002	
Filename:	L2AX020	L2AY012	L2AY020	L2A#011	L2BZ017	L2B-012	L2BZ018	
Ethylene	2.18	1.52	4.87	1.30	1.50	1.50	1.53	
Acetylene	1.59	1.20	3.73	1.19	1.31	1.33	1.32	
Ethane	3.58	4.43	8.29	4.17	5.02	4.98	5.00	
Propylene	0.55	0.41	0.76	0.36	0.48	0.47	0.49	
Propane	1.96	2.41	3.89	3.12	3.92	3.91	4.43	
Propyne	ND	ND	ND	ND	ND	ND	ND	
Isobutane	0.60	0.58	1.01	0.52	0.77	0.75	0.83	
Isobutene/1-Butene	0.40	0.34	0.52	0.28	0.32	0.32	0.39	
1,3-Butadiene	0.04	U	0.04	U	0.04	U	0.04	U
n-Butane	1.69	1.67	2.85	1.16	2.54	2.56	3.15	
trans-2-Butene	0.09	0.09	0.13	0.08	0.09	0.09	0.12	
cis-2-Butene	0.13	0.11	0.18	0.10	0.13	0.11	0.14	
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND	
Isopentane	1.13	1.28	1.65	0.77	1.27	1.25	1.37	
1-Pentene	0.08	0.08	0.08	0.06	0.08	0.09	0.08	
2-Methyl-1-butene	0.07	0.08	0.09	0.06	0.04	U	0.04	U
n-Pentane	0.37	0.49	0.73	0.42	0.56	0.60	0.60	
Isoprene	0.07	0.11	0.10	0.08	0.10	0.10	0.13	
trans-2-Pentene	0.08	0.09	0.13	0.05	0.09	0.07	0.10	
cis-2-Pentene	0.08	0.09	0.10	0.07	0.10	0.09	0.10	
2-Methyl-2-butene	0.11	0.08	0.12	0.04	U	0.05	U	0.08
2,2-Dimethylbutane	0.11	0.12	0.15	0.09	0.14	0.14	0.13	
Cyclopentene	0.04	U	0.04	U	ND	ND	ND	
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND	
Cyclopentane	0.10	0.11	0.11	0.08	0.10	0.12	0.10	
2,3-Dimethylbutane	0.13	0.15	0.17	0.11	0.15	0.15	0.15	
2-Methylpentane	0.37	0.31	0.38	0.23	0.42	0.39	0.34	
3-Methylpentane	0.19	0.22	0.26	0.16	0.24	0.25	0.23	
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND	
1-Hexene	0.10	0.10	0.09	0.09	0.10	0.10	0.11	
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND	
n-Hexane	0.19	0.22	0.28	0.17	0.25	0.26	0.26	
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND	
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND	
Methylcyclopentane	0.13	0.14	0.16	0.10	0.15	0.14	0.15	
2,4-Dimethylpentane	0.10	0.09	0.09	0.07	0.10	0.11	0.10	
Benzene	0.35	0.34	0.46	0.30	0.41	0.41	0.41	
Cyclohexane	0.11	0.13	0.13	0.10	0.14	0.14	0.14	
2-Methylhexane	0.34	0.19	0.20	0.15	0.21	0.20	0.14	
2,3-Dimethylpentane	0.17	0.18	0.15	0.14	0.17	0.17	0.17	
3-Methylhexane	0.13	0.13	0.15	0.14	0.10	0.12	0.13	
1-Heptene	ND	ND	ND	ND	ND	ND	ND	
2,2,4-Trimethylpentane	0.18	0.14	0.21	0.10	0.57	0.54	1.09	
n-Heptane	0.08	0.09	0.11	0.08	0.11	0.11	0.12	
Methylcyclohexane	0.11	0.10	0.11	0.07	0.11	0.11	0.11	
2,2,3-Trimethylpentane	0.04	ND	ND	ND	0.06	0.04	0.06	
2,3,4-Trimethylpentane	0.06	0.06	0.07	0.05	0.08	0.09	0.11	
Toluene	0.55	0.52	0.65	0.31	0.55	0.55	0.62	
2-Methylheptane	0.04	0.05	0.04	0.03	U	0.04	0.05	
3-Methylheptane	0.04	0.05	0.05	0.03	0.05	0.05	0.05	
1-Octene	ND	ND	ND	ND	ND	ND	0.02	U
n-Octane	0.05	0.05	0.06	0.04	0.07	0.07	0.07	
Ethylbenzene	0.07	0.07	0.14	0.05	0.08	0.08	0.08	
m-Xylene/p-Xylene	0.18	0.20	0.67	0.13	0.15	0.17	0.19	
Styrene	ND	0.02	0.03	ND	0.04	0.04	0.02	
o-Xylene	0.08	0.07	0.22	0.05	0.07	0.07	0.07	
1-Nonene	ND	ND	ND	ND	ND	ND	ND	
n-Nonane	0.03	0.04	0.05	0.03	0.04	0.04	0.04	
Isopropylbenzene	0.04	0.05	0.04	0.03	U	0.03	U	
a-Pinene	ND	ND	0.37	0.06	ND	ND	ND	
n-Propylbenzene	0.02	U	0.05	0.05	0.02	U	0.03	U
m-Ethyltoluene	0.04	0.11	0.10	0.07	0.05	0.05	0.07	
p-Ethyltoluene	0.03	U	0.06	0.05	0.04	U	0.03	U
1,3,5-Trimethylbenzene	0.02	U	0.02	U	0.02	U	0.02	U
o-Ethyltoluene	0.03	U	0.04	0.05	0.04	U	0.03	U
b-Pinene	ND	ND	ND	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	0.04	0.08	0.11	0.05	0.05	0.04	0.04	
1-Decene	ND	ND	ND	ND	ND	ND	ND	
n-Decane	0.04	0.09	0.08	0.06	0.07	0.07	0.07	
1,2,3-Trimethylbenzene	0.03	0.09	0.06	0.06	0.04	0.05	0.02	
m-Diethylbenzene	0.03	U	0.06	0.05	0.02	U	0.02	U
p-Diethylbenzene	ND	0.11	0.06	0.08	0.05	0.06	0.03	
1-Undecene	0.01	U	ND	0.02	U	ND	ND	
n-Undecane	0.03	U	0.39	0.16	0.21	0.25	0.29	0.24
1-Dodecene	ND	ND	ND	ND	ND	ND	ND	
n-Dodecane	ND	0.08	0.04	U	0.04	U	0.19	0.10
1-Tridecene	ND	ND	ND	ND	ND	ND	ND	
n-Tridecane	ND	ND	ND	ND	0.04	U	0.03	U
TNMOC (speciated) in ppbv	19.21	20.23	35.72	17.61	24.08	24.03	25.97	
TNMOC (w/ unknowns) in ppbC	133.43	172.26	161.57	117.93	148.12	146.65	138.93	

NR Not reported due to a large interfering non-target peak.

U Under detection limit.

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(Reported in ppbV)

Sample No.:	SFSD 25425 R2	SFSD 25524	SFSD 25670	SFSD 25733	SFSD 25882	SFSD 25975 D1	SFSD 25975 R1			
Sampling Date:	1/26/2002	2/1/2002	2/7/2002	2/13/2002	2/19/2002	2/25/2002	2/25/2002			
Analysis Date:	2/28/2002	2/28/2002	2/28/2002	3/1/2002	3/5/2002	3/7/2002	3/7/2002			
Filename:	L2B-013	L2B-019	L2B1011	L2B1021	L2CE011	L2CF014	L2CG007			
Ethylene	1.53	2.89	1.75	1.71	1.30	0.90	0.90			
Acetylene	1.31	2.53	1.63	1.13	1.18	1.04	0.99			
Ethane	4.97	5.76	5.32	4.36	4.60	3.42	3.44			
Propylene	0.46	0.71	0.55	0.61	0.35	0.30	0.29			
Propane	4.39	4.21	3.39	2.76	3.12	1.95	1.94			
Propyne	ND	ND	ND	ND	ND	ND	ND			
Isobutane	0.83	0.85	0.69	0.49	0.45	0.35	0.35			
Isobutene/1-Butene	0.39	0.51	0.45	0.43	0.40	0.34	0.32			
1,3-Butadiene	0.05	U	0.06	ND	ND	ND	ND			
n-Butane	3.10	2.98	1.87	1.30	1.20	0.85	0.85			
trans-2-Butene	0.11	0.13	0.11	0.09	0.08	0.08	0.08			
cis-2-Butene	0.14	0.16	0.16	0.13	0.12	0.10	0.10			
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND			
Isopentane	1.36	1.38	1.10	0.43	0.63	0.48	0.46			
1-Pentene	0.09	0.11	0.07	0.08	0.06	0.08	0.07			
2-Methyl-1-butene	0.07	0.09	0.08	0.05	ND	0.03	U	0.03	U	
n-Pentane	0.60	0.64	0.51	0.42	0.44	0.30	0.29			
Isoprene	0.14	0.13	0.14	0.14	0.06	0.18	0.18			
trans-2-Pentene	0.10	0.11	0.09	0.08	0.06	0.07	0.06			
cis-2-Pentene	0.09	0.10	0.09	0.07	0.07	0.08	0.08			
2-Methyl-2-butene	0.08	0.16	0.10	0.08	0.05	ND	ND			
2,2-Dimethylbutane	0.14	0.14	0.14	0.13	0.10	0.10	0.10			
Cyclopentene	ND	0.04	U	0.04	U	ND	ND	0.04	U	
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Cyclopentane	0.11	0.10	0.10	0.10	0.08	0.09	0.07			
2,3-Dimethylbutane	0.16	0.17	0.15	0.13	0.12	0.12	0.11			
2-Methylpentane	0.33	0.42	0.40	0.46	0.25	0.14	0.13			
3-Methylpentane	0.24	0.27	0.26	0.13	0.16	0.13	0.14			
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND			
1-Hexene	0.11	0.11	0.13	0.14	0.10	0.10	0.10			
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND			
n-Hexane	0.26	0.28	0.37	0.18	0.19	0.15	0.15			
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND			
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND			
Methylcyclopentane	0.14	0.17	0.19	0.14	0.10	0.09	0.09			
2,4-Dimethylpentane	0.11	0.12	0.11	0.09	0.08	0.07	0.07			
Benzene	0.41	0.63	0.42	0.37	0.36	0.35	0.34			
Cyclohexane	0.14	0.14	0.14	0.11	0.12	0.10	0.09			
2-Methylhexane	0.15	0.24	0.21	0.49	0.15	0.14	0.13			
2,3-Dimethylpentane	0.18	0.20	0.16	0.12	0.12	0.13	0.13			
3-Methylhexane	0.13	0.14	0.11	ND	0.09	0.07	0.07			
1-Heptene	ND	ND	ND	0.05	ND	ND	ND			
2,2,4-Trimethylpentane	1.04	0.26	0.19	0.13	0.11	0.09	0.09			
n-Heptane	0.11	0.11	0.10	0.09	0.08	0.08	0.08			
Methylcyclohexane	0.11	0.09	0.12	0.08	0.08	0.07	0.07			
2,2,3-Trimethylpentane	0.07	0.04	ND	0.04	ND	ND	ND			
2,3,4-Trimethylpentane	0.11	0.07	0.07	0.07	0.05	0.04	0.04			
Toluene	0.62	0.64	0.65	0.35	0.31	0.23	0.23			
2-Methylheptane	0.05	0.04	0.04	0.03	0.03	0.04	0.03			
3-Methylheptane	0.05	0.05	0.04	0.03	0.04	0.04	0.04			
1-Octene	ND	ND	ND	0.04	ND	ND	ND			
n-Octane	0.06	0.07	0.05	0.06	0.05	0.05	0.05			
Ethylbenzene	0.08	0.11	0.10	0.04	0.06	0.04	0.04			
m-Xylene/p-Xylene	0.20	0.25	0.26	0.09	0.12	0.06	0.07			
Styrene	ND	0.03	0.06	0.58	0.02	ND	ND			
o-Xylene	0.08	0.10	0.10	0.06	0.05	ND	0.03			
1-Nonene	ND	ND	ND	0.02	U	ND	ND			
n-Nonane	0.04	0.04	0.04	0.03	0.03	0.04	0.04			
Isopropylbenzene	0.03	U	0.06	0.03	U	0.03	U	0.03	U	
a-Pinene	ND	ND	ND	ND	ND	ND	ND			
n-Propylbenzene	0.03	0.04	0.05	0.04	0.03	U	0.05	0.03	U	
m-Ethyltoluene	0.08	0.10	0.10	0.09	0.08	0.06	0.05			
p-Ethyltoluene	0.03	U	0.05	0.04	0.03	U	0.03	U	0.03	U
1,3,5-Trimethylbenzene	ND	ND	0.02	ND	0.03	ND	ND	ND	ND	
o-Ethyltoluene	0.03	U	0.04	0.04	U	0.03	U	0.02	U	
b-Pinene	ND	ND	0.02	U	ND	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	0.04	0.09	0.07	0.08	0.06	0.04	0.03			
1-Decene	ND	ND	ND	ND	ND	ND	ND			
n-Decane	0.07	0.09	0.05	0.08	0.03	0.06	0.06			
1,2,3-Trimethylbenzene	0.03	0.07	0.19	0.09	0.03	0.04	0.04			
m-Diethylbenzene	0.05	0.13	0.10	0.24	0.18	0.02	U	0.04		
p-Diethylbenzene	0.03	0.08	0.10	0.12	0.07	0.04	0.04			
1-Undecene	ND	ND	ND	ND	ND	ND	ND			
n-Undecane	0.22	0.30	0.29	0.44	0.18	0.16	0.16			
1-Dodecene	ND	ND	ND	ND	ND	ND	ND			
n-Dodecane	0.09	0.13	0.13	0.20	0.13	0.06	U	0.06	U	
1-Tridecene	ND	ND	ND	ND	ND	ND	ND			
n-Tridecane	ND	0.01	U	0.04	U	0.04	U	0.01	U	
TNMOC (speciated) in ppbv	25.75	29.85	24.18	20.29	18.21	13.68	13.57			
TNMOC (w/ unknowns) in ppbC	129.87	175.76	166.41	280.51	123.33	80.06	79.91			

NR Not reported due to a large interfering non-target peak.
U Under detection limit.

Souix Falls, South Dakota (CUSD) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ppbV)

Sample No.:	SFSD 25976 D2	SFSD 25976 R2	SFSD 26092	SFSD 26224	SFSD 26328	SFSD 26407	SFSD 26508
Sampling Date:	2/25/2002	2/25/2002	3/3/2002	3/9/2002	3/15/2002	3/21/2002	3/27/2002
Analysis Date:	3/7/2002	3/7/2002	3/7/2002	3/14/2002	3/27/2002	3/27/2002	4/6/2002
Filename:	L2CF015	L2CG008	L2CF020	L2CM022	L2C-008	L2C-009	L2DE014
Ethylene	0.91	0.93	1.33	0.90	0.89	0.31	1.16
Acetylene	1.04	1.02	1.37	1.08	1.64	1.10	0.93
Ethane	3.44	3.38	4.15	3.78	3.11	3.55	4.98
Propylene	0.30	0.34	0.39	0.31	0.51	0.30	0.39
Propane	2.14	2.15	2.77	2.71	2.91	2.61	4.54
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.35	0.35	0.49	0.54	0.69	0.55	1.38
Isobutene/1-Butene	0.32	0.31	0.38	0.33	0.40	0.28	0.54
1,3-Butadiene	ND	ND	ND	ND	0.05	ND	ND
n-Butane	0.85	0.87	1.20	0.98	1.28	0.94	1.31
trans-2-Butene	0.08	0.09	0.10	0.08	0.09	0.08	0.10
cis-2-Butene	0.11	0.12	0.12	0.09	0.11	0.10	0.11
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	0.45	0.44	0.85	0.64	1.17	1.08	0.87
1-Pentene	0.06	0.07	ND	0.82	0.53	0.78	0.60
2-Methyl-1-butene	0.04	U	0.04	U	0.05	0.03	0.08
n-Pentane	0.28	0.27	0.39	0.34	0.36	0.36	0.42
Isoprene	0.09	0.09	0.11	0.08	0.08	0.09	0.10
trans-2-Pentene	0.07	0.06	0.06	0.06	0.09	0.05	0.07
cis-2-Pentene	0.07	0.07	0.07	0.07	0.08	0.07	0.08
2-Methyl-2-butene	0.05	0.06	0.10	0.05	U	ND	0.18
2,2-Dimethylbutane	0.11	0.11	0.12	0.08	0.11	0.09	0.13
Cyclopentene	0.04	U	0.04	ND	0.04	U	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.09	0.03	0.11	0.08	0.08	0.07	0.09
2,3-Dimethylbutane	0.11	0.11	0.11	0.10	0.12	0.10	0.12
2-Methylpentane	0.18	0.16	0.22	0.21	0.25	0.16	0.42
3-Methylpentane	0.14	0.15	0.15	0.12	0.20	0.13	0.16
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.11	0.10	0.10	0.09	0.10	0.09	0.11
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.15	0.16	0.17	0.14	0.19	0.13	0.18
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.09	0.08	0.09	0.08	0.11	0.08	0.09
2,4-Dimethylpentane	0.07	0.09	0.08	0.07	0.09	0.07	0.09
Benzene	0.34	0.32	0.35	0.31	0.40	0.29	0.33
Cyclohexane	0.11	0.11	0.13	0.12	0.12	0.11	0.12
2-Methylhexane	0.15	0.16	0.14	0.12	0.06	0.06	0.27
2,3-Dimethylpentane	0.13	0.12	0.13	0.11	0.16	0.13	0.16
3-Methylhexane	0.07	0.07	0.08	0.05	0.12	0.08	0.08
1-Heptene	ND	ND	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	0.09	0.11	0.19	0.16	0.22	0.19	0.28
n-Heptane	0.07	0.08	0.08	0.07	0.08	0.06	0.08
Methylcyclohexane	0.08	0.08	0.08	0.08	0.08	0.06	0.08
2,2,3-Trimethylpentane	ND	ND	ND	ND	ND	ND	ND
2,3,4-Trimethylpentane	0.04	0.05	0.06	0.04	0.06	0.05	0.06
Toluene	0.23	0.24	0.75	0.53	0.75	0.65	0.76
2-Methylheptane	0.03	0.03	U	0.03	U	0.03	0.04
3-Methylheptane	0.03	0.04	0.03	0.03	0.04	0.03	0.04
1-Octene	ND	ND	ND	ND	ND	ND	ND
n-Octane	0.05	0.05	0.05	0.06	0.06	0.05	0.06
Ethylbenzene	0.03	0.05	0.05	0.04	0.07	0.04	0.07
m-Xylene/p-Xylene	0.06	0.07	0.08	0.06	0.19	0.09	0.11
Styrene	0.03	0.04	0.07	0.08	0.06	0.07	0.12
o-Xylene	0.04	0.04	0.04	0.04	0.07	0.04	0.06
1-Nonene	ND	ND	ND	ND	ND	0.03	ND
n-Nonane	0.03	0.03	0.03	0.04	0.03	0.03	0.03
Isopropylbenzene	0.03	U	0.04	0.04	0.06	0.03	0.05
a-Pinene	ND	ND	0.03	0.03	0.03	U	ND
n-Propylbenzene	0.03	U	0.03	0.02	U	0.05	0.06
m-Ethyltoluene	0.05	0.07	0.07	0.07	0.09	0.08	0.12
p-Ethyltoluene	0.04	0.04	U	0.03	U	0.03	U
1,3,5-Trimethylbenzene	ND	0.02	U	0.02	U	0.03	0.03
o-Ethyltoluene	0.03	U	0.03	0.03	U	0.03	U
b-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.05	0.05	0.05	0.05	0.05	0.05	0.06
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.05	0.06	0.09	0.06	0.08	0.05	0.07
1,2,3-Trimethylbenzene	0.05	0.06	0.05	0.06	0.05	0.05	0.09
m-Diethylbenzene	0.05	0.03	0.08	0.09	0.06	0.04	0.27
p-Diethylbenzene	0.07	0.06	0.08	0.08	0.07	0.07	0.10
1-Undecene	ND	ND	ND	0.03	U	0.02	U
n-Undecane	0.23	0.23	0.45	0.28	0.26	0.29	0.33
1-Dodecene	ND	ND	ND	ND	ND	ND	ND
n-Dodecane	0.08	0.09	0.22	0.10	0.06	U	0.10
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	0.02	U	0.02	U	ND	0.02	U
TNMOC (speciated) in ppbv	14.14	14.15	18.80	16.84	18.91	16.29	23.38
TNMOC (w/ unknowns) in ppbC	105.76	106.62	148.67	141.95	155.73	127.03	252.97

NR Not reported due to a large interfering non-target peak.

U Under detection limit.

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(Reported in ppbV)

Sample No.:	SFSD 26605	SFSD 26677	SFSD 26863	SFSD 26985	SFSD 27097	SFSD 27341	SFSD 27471
Sampling Date:	4/2/2002	4/8/2002	4/14/2002	4/20/2002	4/26/2002	5/2/2002	5/8/2002
Analysis Date:	4/6/2002	4/11/2002	4/27/2002	4/27/2002	5/4/2002	5/14/2002	5/16/2002
Filename:	L2DE021	L2DK014	L2DZ014	L2DZ019	L2EC022	L2EM023	L2EP011
Ethylene	0.99	0.88	1.14	0.64	0.68	16.25	0.83
Acetylene	0.71	0.66	0.54	0.53	0.56	24.73	0.60
Ethane	3.02	3.13	2.90	2.45	2.54	6.17	2.26
Propylene	0.35	0.32	0.37	0.26	0.24	8.57	0.28
Propane	3.10	2.10	2.29	1.49	1.68	4.06	1.68
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	1.76	0.47	0.81	0.35	0.30	148.05	0.60
Isobutene/1-Butene	0.38	0.29	0.56	0.28	0.24	4.29	0.33
1,3-Butadiene	ND	ND	0.04	ND	ND	1.68	ND
n-Butane	0.65	0.54	1.12	0.41	0.38	32.81	0.60
trans-2-Butene	0.09	0.07	0.08	0.08	0.07	1.68	0.07
cis-2-Butene	0.13	0.09	0.12	0.10	0.09	1.78	0.10
3-Methyl-1-butene	ND	ND	ND	ND	ND	0.54	ND
Isopentane	0.50	0.56	1.05	0.58	0.60	253.37	1.30
1-Pentene	0.07	0.05	0.07	0.06	0.06	9.57	0.07
2-Methyl-1-butene	0.04	U	0.05	0.03	U	2.87	0.05
n-Pentane	0.21	0.27	0.79	0.21	0.21	113.74	0.66
Isoprene	0.08	0.09	0.07	0.08	0.06	0.71	0.08
trans-2-Pentene	0.05	0.04	0.07	0.06	0.06	2.70	0.06
cis-2-Pentene	0.08	0.08	0.08	0.07	0.06	1.52	0.07
2-Methyl-2-butene	0.03	U	ND	ND	ND	3.88	0.06
2,2-Dimethylbutane	0.10	0.09	0.14	0.10	0.08	3.12	0.10
Cyclopentene	ND	ND	ND	0.10	ND	0.95	0.04
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.08	0.07	0.07	0.05	0.08	4.69	0.09
2,3-Dimethylbutane	0.10	0.09	0.12	0.09	0.10	3.74	0.11
2-Methylpentane	0.20	0.18	0.54	0.16	0.10	18.45	0.23
3-Methylpentane	0.12	0.11	0.17	0.11	0.11	8.34	0.18
2-Methyl-1-pentene	ND	ND	ND	ND	ND	0.64	ND
1-Hexene	0.10	0.09	0.10	0.09	0.08	0.37	0.09
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.11	0.10	0.15	0.10	0.11	6.93	0.17
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	0.33	ND
Methylcyclopentane	0.09	0.07	0.17	0.07	0.08	3.22	0.09
2,4-Dimethylpentane	0.08	0.09	0.12	0.07	0.06	0.96	0.06
Benzene	0.23	0.24	0.27	0.20	0.22	6.96	0.24
Cyclohexane	0.09	0.09	0.10	0.09	0.08	3.84	0.17
2-Methylhexane	0.15	0.16	0.24	0.13	0.14	1.57	0.11
2,3-Dimethylpentane	0.15	0.13	0.15	0.13	0.13	1.15	0.12
3-Methylhexane	0.06	0.08	ND	0.07	0.07	2.24	0.14
1-Heptene	ND	ND	ND	0.02	U	ND	ND
2,2,4-Trimethylpentane	0.10	0.14	0.22	0.07	0.07	6.04	0.14
n-Heptane	0.06	0.06	0.07	0.06	0.05	1.97	0.06
Methylcyclohexane	0.07	0.08	0.11	0.07	0.05	1.71	0.06
2,2,3-Trimethylpentane	ND	ND	ND	ND	ND	0.82	ND
2,3,4-Trimethylpentane	0.04	0.04	0.05	0.04	0.04	2.39	0.04
Toluene	0.26	0.27	0.55	0.26	0.32	79.76	0.63
2-Methylheptane	0.03	0.03	U	0.03	0.03	U	0.03
3-Methylheptane	0.02	0.03	0.04	0.03	0.03	0.64	0.03
1-Octene	ND	ND	ND	0.02	U	ND	ND
n-Octane	0.04	0.04	0.06	0.05	0.05	1.06	0.05
Ethylbenzene	0.04	0.05	0.09	0.05	0.05	2.49	0.07
m-Xylene/p-Xylene	0.09	0.08	0.16	0.08	0.10	6.53	0.16
Styrene	ND	0.19	0.28	0.09	0.03	2.88	0.08
o-Xylene	0.04	0.04	0.08	0.05	0.05	2.68	0.07
1-Nonene	ND	ND	ND	ND	ND	0.48	ND
n-Nonane	ND	0.02	0.05	0.03	0.03	1.69	0.04
Isopropylbenzene	0.03	U	0.03	0.05	0.04	0.24	0.04
a-Pinene	ND	ND	ND	ND	ND	1.06	ND
n-Propylbenzene	0.03	U	0.02	0.04	0.03	U	0.05
m-Ethyltoluene	0.05	0.07	0.11	0.08	0.08	1.26	0.10
p-Ethyltoluene	0.03	U	0.02	0.03	U	1.21	0.05
1,3,5-Trimethylbenzene	ND	0.02	0.02	0.02	ND	0.66	0.03
o-Ethyltoluene	0.04	0.03	U	0.04	ND	0.95	0.04
b-Pinene	0.04	ND	ND	ND	ND	0.64	ND
1,2,4-Trimethylbenzene	0.04	0.07	0.11	0.05	0.02	2.10	0.08
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.06	0.04	0.07	0.05	0.02	20.59	0.21
1,2,3-Trimethylbenzene	0.05	0.11	0.08	0.06	0.03	0.75	0.06
m-Diethylbenzene	0.02	U	ND	0.03	0.04	ND	0.04
p-Diethylbenzene	0.04	0.08	0.06	0.07	0.03	ND	0.07
1-Undecene	0.05	0.03	U	0.03	ND	ND	ND
n-Undecane	0.27	0.28	0.28	0.27	0.10	60.46	1.12
1-Dodecene	ND	ND	0.03	U	ND	ND	0.01
n-Dodecane	0.18	0.10	0.13	0.15	0.02	U	0.77
1-Tridecene	ND	ND	ND	ND	ND	0.14	ND
n-Tridecane	0.03	U	0.04	U	0.05	U	0.08
TNMOC (speciated) in ppbv	15.63	13.49	17.42	11.20	10.64	955.94	15.86
TNMOC (w/ unknowns) in ppbC	107.19	159.69	203.34	127.52	61.35	6475.42	180.19

NR Not reported due to a large interfering non-target peak.
U Under detection limit.

Souix Falls, South Dakota (CUSD) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ppbV)

Sample No.:	SFSD 27545 D1	SFSD 27545 R1	SFSD 27547 D2	SFSD 27547 R2	SFSD 27666	SFSD 27813	SFSD 27818			
Sampling Date:	5/14/2002	5/14/2002	5/14/2002	5/14/2002	5/20/2002	5/26/2002	6/1/2002			
Analysis Date:	5/20/2002	5/21/2002	5/20/2002	5/21/2002	5/24/2002	6/5/2002	6/5/2002			
Filename:	L2ET013	L2EU011	L2ET014	L2EU012	L2EW021	L2FE006	L2FE007			
Ethylene	1.15	1.07	1.04	1.07	0.71	0.89	1.34			
Acetylene	0.88	0.86	0.85	0.88	0.49	0.56	0.59			
Ethane	2.39	2.45	2.40	2.44	1.85	2.25	1.88			
Propylene	0.33	0.30	0.29	0.31	0.26	0.34	0.42			
Propane	1.37	1.38	1.13	1.15	1.55	1.97	1.14			
Propyne	ND	ND	ND	ND	ND	ND	ND			
Isobutane	0.37	0.36	0.34	0.36	0.16	0.93	0.39			
Isobutene/1-Butene	0.33	0.33	0.35	0.31	0.29	0.31	0.33			
1,3-Butadiene	ND	0.04	U	ND	ND	ND	ND			
n-Butane	0.59	0.63	0.60	0.60	0.35	1.04	1.08			
trans-2-Butene	0.08	0.09	0.08	0.09	0.09	0.08	0.10			
cis-2-Butene	0.11	0.12	0.11	0.12	0.11	0.12	0.12			
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND			
Isopentane	0.88	0.89	0.87	0.89	0.45	1.65	1.65			
1-Pentene	0.10	0.09	0.02	U	0.08	0.11	0.11			
2-Methyl-1-butene	0.05	0.04	U	0.06	0.05	U	0.07	0.09		
n-Pentane	0.36	0.35	0.36	0.36	0.21	0.75	0.52			
Isoprene	0.08	0.09	0.09	0.08	0.05	0.09	0.14			
trans-2-Pentene	0.08	0.09	0.08	0.08	0.07	0.12	0.11			
cis-2-Pentene	0.09	0.09	0.08	0.09	0.07	0.10	0.10			
2-Methyl-2-butene	0.05	U	0.05	0.06	0.06	U	0.07	0.08		
2,2-Dimethylbutane	0.12	0.12	0.11	0.10	0.10	0.11	0.14			
Cyclopentene	ND	ND	ND	ND	ND	0.04	U	ND		
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND	ND		
Cyclopentane	0.09	0.09	0.08	0.09	0.05	0.11	0.10			
2,3-Dimethylbutane	0.13	0.13	0.13	0.13	0.10	0.14	0.15			
2-Methylpentane	0.22	0.22	0.22	0.23	0.14	0.30	0.45			
3-Methylpentane	0.21	0.22	0.22	0.22	0.17	0.23	0.24			
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND			
1-Hexene	0.09	0.11	0.08	0.09	0.10	0.12	0.10			
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND			
n-Hexane	0.20	0.22	0.19	0.21	0.11	0.29	0.19			
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND			
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND			
Methylcyclopentane	0.12	0.12	0.13	0.13	0.08	0.13	0.12			
2,4-Dimethylpentane	0.08	0.08	0.09	0.09	0.08	0.09	0.09			
Benzene	0.28	0.29	0.28	0.28	0.20	0.30	0.29			
Cyclohexane	0.13	0.12	0.13	0.12	0.09	0.16	0.10			
2-Methylhexane	0.16	0.16	0.14	0.16	0.11	0.14	0.13			
2,3-Dimethylpentane	0.14	0.14	0.13	0.14	0.10	0.14	0.14			
3-Methylhexane	0.13	0.13	0.11	0.12	0.12	0.16	0.15			
1-Heptene	ND	ND	ND	ND	ND	0.02	U	ND		
2,2,4-Trimethylpentane	0.11	0.11	0.13	0.12	0.10	0.14	0.14			
n-Heptane	0.12	0.12	0.11	0.11	0.06	0.08	0.08			
Methylcyclohexane	0.11	0.12	0.11	0.11	0.06	0.06	0.07			
2,2,3-Trimethylpentane	0.02	U	0.02	U	ND	ND	ND			
2,3,4-Trimethylpentane	0.05	0.06	0.06	0.05	0.04	0.06	0.05			
Toluene	0.68	0.66	0.64	0.64	0.25	1.57	0.46			
2-Methylheptane	0.10	0.10	0.09	0.09	0.05	0.04	0.03			
3-Methylheptane	0.11	0.11	0.08	0.08	0.04	0.04	0.05			
1-Octene	ND	ND	ND	ND	ND	0.03	U	ND		
n-Octane	0.21	0.23	0.18	0.17	0.07	0.06	0.06			
Ethylbenzene	0.07	0.08	0.07	0.07	0.06	0.08	0.06			
m-Xylene/p-Xylene	0.19	0.18	0.19	0.19	0.11	0.18	0.16			
Styrene	0.02	ND	0.02	0.03	ND	0.04	0.10			
o-Xylene	0.08	0.08	0.07	0.09	0.05	0.08	0.07			
1-Nonene	ND	ND	ND	ND	ND	ND	ND			
n-Nonane	0.08	0.08	0.06	0.06	0.05	0.04	0.05			
Isopropylbenzene	0.03	U	0.03	U	0.03	0.04	0.05			
a-Pinene	ND	ND	ND	ND	ND	ND	ND			
n-Propylbenzene	0.03	U	0.03	U	0.03	U	0.05	0.04	0.06	
m-Ethyltoluene	0.09	0.09	0.09	0.10	0.11	0.09	0.09			
p-Ethyltoluene	0.04	0.05	0.04	0.05	0.06	0.06	0.05			
1,3,5-Trimethylbenzene	0.02	0.02	U	0.02	U	0.03	0.05	0.02	U	0.03
o-Ethyltoluene	0.04	0.04	0.03	U	0.04	0.06	0.04	0.05		
b-Pinene	ND	ND	ND	ND	ND	ND	ND	ND		
1,2,4-Trimethylbenzene	0.05	0.06	0.07	0.07	0.16	0.10	0.09			
1-Decene	ND	ND	ND	ND	ND	ND	ND	ND		
n-Decane	0.06	0.06	0.06	0.06	0.07	0.08	0.07			
1,2,3-Trimethylbenzene	0.03	0.03	0.04	0.04	0.09	0.18	0.08			
m-Diethylbenzene	0.01	U	0.02	U	ND	0.03	ND	0.03		
p-Diethylbenzene	0.03	0.02	0.03	0.03	0.08	0.06	0.04			
1-Undecene	ND	ND	ND	ND	0.03	U	0.04	0.02	U	
n-Undecane	0.13	0.11	0.16	0.15	0.25	0.29	0.25			
1-Dodecene	ND	ND	ND	0.01	U	ND	0.01	U	0.03	U
n-Dodecane	0.03	U	0.03	U	0.05	U	0.09	0.19	0.15	
1-Tridecene	ND	ND	ND	ND	ND	ND	ND	ND		
n-Tridecane	ND	ND	ND	ND	0.01	U	0.06	U	0.02	U
TNMOC (speciated) in ppbv	13.92	14.01	13.33	13.65	10.51	17.70	15.08			
TNMOC (w/ unknowns) in ppbC	87.11	86.43	86.29	85.29	104.91	142.16	144.09			

NR Not reported due to a large interfering non-target peak.

U Under detection limit.

Souix Falls, South Dakota (CUSD) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbV)

Sample No.:	SFSD 27921	SFSD 28121	SFSD 28243	SFSD 28358 D1	SFSD 28358 R1	SFSD 28360 D2	SFSD 28360 R2
Sampling Date:	6/7/2002	6/13/2002	6/19/2002	6/25/2002	6/25/2002	6/25/2002	6/25/2002
Analysis Date:	7/2/2002	7/3/2002	7/13/2002	7/19/2002	8/12/2002	7/21/2002	8/13/2002
Filename:	L2GB013	L2GB018	N2GL018	N2GR026	L2HL009	N2GT020	N2HL021
Ethylene	0.75	1.59	0.72	1.57	2.12	1.62	1.62
Acetylene	0.45	0.55	0.54	1.10	1.12	1.09	1.09
Ethane	3.14	1.63	4.51	1.83	2.29	1.94	1.95
Propylene	0.28	0.58	0.35	0.40	0.58	0.37	0.41
Propane	1.96	1.04	2.93	2.41	2.70	2.13	2.16
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.33	0.24	0.48	1.00	1.16	1.07	1.07
Isobutene/1-Butene	0.30	0.46	0.35	0.36	0.46	0.39	0.40
1,3-Butadiene	ND	ND	ND	ND	ND	0.05	ND
n-Butane	0.83	0.47	1.06	1.08	1.23	1.11	1.13
trans-2-Butene	0.08	0.08	0.05	0.07	0.14	0.06	0.06
cis-2-Butene	0.11	0.11	0.06	0.08	0.19	0.07	0.08
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	0.98	0.83	0.87	4.75	NR	4.70	3.50
1-Pentene	0.08	0.06	0.07	0.07	0.11	0.09	0.09
2-Methyl-1-butene	0.06	0.08	0.05	0.05	0.12	0.10	0.08
n-Pentane	0.37	0.29	0.50	0.67	0.82	0.68	0.70
Isoprene	0.20	0.24	0.40	0.56	0.60	0.54	0.54
trans-2-Pentene	0.08	0.07	0.16	0.05	0.16	0.18	0.12
cis-2-Pentene	0.08	0.06	0.06	0.08	0.15	0.08	0.08
2-Methyl-2-butene	0.05	U	0.09	0.06	0.08	0.07	0.06
2,2-Dimethylbutane	0.12	0.13	0.06	0.10	0.25	0.09	0.10
Cyclopentene	0.06	ND	ND	ND	ND	ND	0.08
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.10	0.07	0.19	0.10	0.17	0.13	0.22
2,3-Dimethylbutane	0.13	0.09	0.10	0.16	0.26	0.17	0.19
2-Methylpentane	0.24	0.64	0.19	0.28	0.45	0.28	0.28
3-Methylpentane	0.19	0.15	0.11	0.19	0.30	0.18	0.93
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.09	0.14	0.10	0.09	0.19	0.16	0.11
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.20	0.11	0.17	0.23	0.31	0.24	0.24
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.10	0.07	0.11	0.22	0.21	0.21	0.17
2,4-Dimethylpentane	0.07	0.08	0.04	0.11	0.16	0.09	0.20
Benzene	0.23	0.17	0.25	0.33	0.38	0.31	0.33
Cyclohexane	0.08	0.07	0.27	0.20	0.21	0.40	0.49
2-Methylhexane	0.10	0.21	0.12	0.16	0.19	0.16	0.19
2,3-Dimethylpentane	0.10	0.15	0.11	0.16	0.24	0.19	0.24
3-Methylhexane	0.20	ND	0.09	0.10	0.14	0.13	0.15
1-Heptene	ND	0.04	0.02	U	ND	ND	ND
2,2,4-Trimethylpentane	0.13	0.13	0.09	0.39	0.43	0.41	0.42
n-Heptane	0.08	0.06	0.09	0.10	0.10	0.12	0.11
Methylcyclohexane	0.07	0.11	0.04	0.05	0.12	0.06	0.06
2,2,3-Trimethylpentane	ND	ND	0.04	0.04	0.05	0.07	0.07
2,3,4-Trimethylpentane	0.05	0.04	0.05	0.09	0.16	0.09	0.09
Toluene	0.37	0.35	0.39	2.13	1.78	2.66	2.82
2-Methylheptane	0.09	0.04	0.02	U	0.66	0.07	0.83
3-Methylheptane	0.10	0.03	0.07	0.07	0.08	0.15	0.11
1-Octene	ND	0.04	ND	ND	ND	ND	ND
n-Octane	0.24	0.07	0.05	0.15	0.15	0.29	0.29
Ethylbenzene	0.06	0.05	0.05	0.17	0.18	0.18	0.20
m-Xylene/p-Xylene	0.15	0.14	0.14	0.40	0.28	0.43	0.45
Styrene	0.11	0.49	0.03	0.44	0.30	0.48	0.45
o-Xylene	0.08	0.06	0.21	0.26	0.15	0.34	0.21
1-Nonene	ND	0.02	U	ND	0.39	ND	0.02
n-Nonane	0.19	0.04	0.04	0.22	0.10	0.23	0.23
Isopropylbenzene	0.03	U	0.17	0.09	0.07	0.10	0.12
a-Pinene	0.06	ND	0.11	0.43	0.10	0.45	ND
n-Propylbenzene	0.03	0.06	0.04	0.07	0.06	0.08	0.09
m-Ethyltoluene	0.09	0.06	0.06	0.13	0.10	0.12	0.12
p-Ethyltoluene	0.06	0.04	0.07	0.09	0.10	0.09	0.08
1,3,5-Trimethylbenzene	0.05	0.02	0.02	0.07	0.05	0.06	0.06
o-Ethyltoluene	0.11	0.03	U	0.08	0.09	0.13	0.13
b-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.14	0.08	0.14	ND	0.14	0.45	0.21
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.40	1.74	0.06	ND	0.59	0.60	0.62
1,2,3-Trimethylbenzene	0.04	ND	0.06	ND	0.09	0.10	0.30
m-Diethylbenzene	0.03	0.05	0.06	ND	0.11	0.03	0.03
p-Diethylbenzene	0.04	0.03	0.10	ND	0.06	0.04	0.04
1-Undecene	0.02	U	ND	ND	ND	ND	ND
n-Undecane	0.73	6.34	0.25	ND	2.45	2.26	2.47
1-Dodecene	ND	ND	ND	ND	0.09	ND	ND
n-Dodecane	0.42	6.46	0.04	U	1.66	0.77	1.24
1-Tridecene	ND	ND	ND	ND	0.14	ND	ND
n-Tridecane	0.05	U	ND	ND	0.05	U	ND
TNMOC (speciated) in ppbv	16.12	28.52	17.69	24.73	27.80	30.77	30.91
TNMOC (w/ unknowns) in ppbC	147.17	407.37	365.11	403.97	442.32	375.93	399.77

NR Not reported due to a large interfering non-target peak.

U Under detection limit.

Souix Falls, South Dakota (CUSD) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ppbV)

Sample No.:	SFSD 28544	SFSD 28654	SFSD 28765	SFSD 28852	SFSD 28986	SFSD 29075	SFSD 29185
Sampling Date:	7/1/2002	7/7/2002	7/13/2002	7/19/2002	7/25/2002	7/31/2002	8/6/2002
Analysis Date:	8/1/2002	8/2/2002			8/14/2002	8/30/2002	
Filename:	L2HA007	L2HB008	VOID	VOID	L2HM017	L2H\$013	VOID
Ethylene	1.22	0.92			1.31	1.86	
Acetylene	0.19	0.30			0.48	0.34	
Ethane	2.78	2.07			1.94	2.72	
Propylene	0.60	0.47			0.55	0.93	
Propane	2.99	2.45			1.95	2.75	
Propyne	ND	ND			ND	ND	
Isobutane	0.34	0.29			0.38	0.44	
Isobutene/1-Butene	0.53	0.41			0.54	1.17	
1,3-Butadiene	ND	ND			ND	ND	
n-Butane	0.65	0.72			0.95	1.77	
trans-2-Butene	0.15	0.13			0.15	0.13	
cis-2-Butene	0.22	0.17			0.23	0.19	
3-Methyl-1-butene	ND	ND			ND	ND	
Isopentane	5.72	1.63			1.64	14.29	
1-Pentene	0.06	ND			ND	0.07	
2-Methyl-1-butene	0.10	0.08			0.12	0.19	
n-Pentane	0.59	0.54			0.86	0.42	
Isoprene	0.34	0.37			0.36	0.54	
trans-2-Pentene	0.13	0.13			0.17	0.13	
cis-2-Pentene	0.14	0.14			0.17	0.11	
2-Methyl-2-butene	0.08	0.04	U		0.09	0.09	
2,2-Dimethylbutane	0.18	0.19			0.23	0.15	
Cyclopentene	0.09	0.08			0.09	ND	
4-Methyl-1-pentene	ND	ND			ND	ND	
Cyclopentane	0.15	0.14			0.16	0.12	
2,3-Dimethylbutane	0.21	0.22			0.25	0.15	
2-Methylpentane	0.44	0.28			0.60	0.84	
3-Methylpentane	0.19	0.22			0.31	0.16	
2-Methyl-1-pentene	ND	ND			ND	ND	
1-Hexene	0.18	0.19			0.21	0.14	
2-Ethyl-1-butene	ND	ND			ND	ND	
n-Hexane	0.19	0.18			0.24	0.16	
trans-2-Hexene	ND	ND			ND	ND	
cis-2-Hexene	ND	ND			ND	ND	
Methylcyclopentane	0.25	0.15			0.18	0.25	
2,4-Dimethylpentane	0.14	0.13			0.16	0.10	
Benzene	0.25	0.25			0.31	0.21	
Cyclohexane	0.17	0.17			0.18	0.14	
2-Methylhexane	0.17	0.20			0.23	0.23	
2,3-Dimethylpentane	0.20	0.19			0.21	0.14	
3-Methylhexane	0.13	0.09			0.12	ND	
1-Heptene	0.05	0.04			0.08	0.04	U
2,2,4-Trimethylpentane	0.20	0.19			0.22	0.17	
n-Heptane	0.09	0.09			0.09	0.07	
Methylcyclohexane	0.10	0.09			0.11	0.09	
2,2,3-Trimethylpentane	0.04	ND			0.03	0.04	
2,3,4-Trimethylpentane	0.10	0.08			0.09	0.10	
Toluene	0.60	0.38			0.53	0.49	
2-Methylheptane	0.05	0.05			0.05	0.03	
3-Methylheptane	0.07	0.07			0.05	0.04	
1-Octene	ND	ND			0.04	0.03	U
n-Octane	0.09	0.07			0.08	0.08	
Ethylbenzene	0.07	0.07			0.09	0.06	
m-Xylene/p-Xylene	0.12	0.18			0.18	0.14	
Styrene	0.27	0.17			0.21	0.27	
o-Xylene	0.08	0.08			0.10	0.09	
1-Nonene	ND	ND			0.02	ND	
n-Nonane	0.04	0.06			0.06	0.13	
Isopropylbenzene	0.06	0.04			0.05	0.05	
a-Pinene	0.18	0.09			0.08	0.26	
n-Propylbenzene	0.03	0.04			0.04	0.04	
m-Ethyltoluene	0.09	0.07			0.09	0.08	
p-Ethyltoluene	0.09	0.08			0.09	0.06	
1,3,5-Trimethylbenzene	0.05	0.04			0.04	0.05	
o-Ethyltoluene	0.09	0.12			0.08	0.13	
b-Pinene	ND	0.19			0.24	0.19	
1,2,4-Trimethylbenzene	0.16	0.11			0.15	0.12	
1-Decene	ND	ND			ND	ND	
n-Decane	0.10	0.09			0.09	0.30	
1,2,3-Trimethylbenzene	0.21	0.12			0.30	0.12	
m-Diethylbenzene	0.38	0.22			0.31	0.15	
p-Diethylbenzene	0.09	0.07			0.10	0.04	
1-Undecene	0.05	0.04			0.06	0.03	
n-Undecane	0.38	0.39			0.29	0.32	
1-Dodecene	ND	ND			ND	ND	
n-Dodecane	0.09	0.15			0.09	0.06	U
1-Tridecene	ND	ND			ND	ND	
n-Tridecane	0.02	U	0.03	U	0.03	U	ND
TNMOC (speciated) in ppbv	23.80	17.00			19.52	34.77	
TNMOC (w/ unknowns) in ppbC	259.42	151.65			180.61	326.63	

NR Not reported due to a large interfering non-target peak.
U Under detection limit.

Souix Falls, South Dakota (CUSD) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbV)

Sample No.:	SFSD 29308	SFSD 29316	SFSD 29469	SFSD 29642	SFSD 29743	SFSD 29878	SFSD 29908
Sampling Date:	8/12/2002	8/18/2002	8/24/2002	8/30/2002	9/5/2002	9/11/2002	9/17/2002
Analysis Date:	9/4/2002	9/5/2002					10/16/2002
Filename:	L2ID006	L2IE008	VOID	VOID	VOID	VOID	L2JP007
Ethylene	1.55	0.96					0.89
Acetylene	1.04	0.51					0.46
Ethane	1.98	1.99					2.93
Propylene	0.67	0.36					0.38
Propane	2.73	1.82					1.82
Propyne	ND	ND					ND
Isobutane	0.33	0.29					0.30
Isobutene/1-Butene	0.50	0.30					0.28
1,3-Butadiene	ND	0.04	U				ND
n-Butane	0.82	0.56					0.58
trans-2-Butene	0.14	0.12					0.09
cis-2-Butene	0.17	0.13					0.12
3-Methyl-1-butene	ND	ND					ND
Isopentane	1.78	1.12					0.91
1-Pentene	0.04	0.05					ND
2-Methyl-1-butene	0.13	0.07					0.04
n-Pentane	5.74	0.64					0.33
Isoprene	0.18	0.14					0.16
trans-2-Pentene	0.14	0.09					0.07
cis-2-Pentene	0.14	0.09					0.09
2-Methyl-2-butene	0.15	0.06					0.04
2,2-Dimethylbutane	0.18	0.11					0.13
Cyclopentene	0.04	ND					ND
4-Methyl-1-pentene	ND	ND					ND
Cyclopentane	0.20	0.09					0.13
2,3-Dimethylbutane	0.19	0.14					0.15
2-Methylpentane	0.45	0.28					0.18
3-Methylpentane	0.25	0.19					0.17
2-Methyl-1-pentene	ND	ND					ND
1-Hexene	0.16	0.09					0.09
2-Ethyl-1-butene	ND	ND					ND
n-Hexane	0.22	0.15					0.14
trans-2-Hexene	ND	ND					ND
cis-2-Hexene	ND	ND					ND
Methylcyclopentane	0.17	0.10					0.11
2,4-Dimethylpentane	0.12	0.08					0.10
Benzene	0.30	0.26					0.22
Cyclohexane	0.16	0.11					0.14
2-Methylhexane	0.18	0.16					0.13
2,3-Dimethylpentane	0.16	0.15					0.11
3-Methylhexane	0.11	0.11					0.06
1-Heptene	0.04	ND					ND
2,2,4-Trimethylpentane	0.16	0.10					0.14
n-Heptane	0.09	0.08					0.06
Methylcyclohexane	0.14	0.10					0.06
2,2,3-Trimethylpentane	ND	ND					ND
2,3,4-Trimethylpentane	0.07	0.05					0.06
Toluene	0.76	0.73					0.35
2-Methylheptane	0.05	0.04					0.10
3-Methylheptane	0.05	0.04					0.05
1-Octene	0.03	ND					ND
n-Octane	0.07	0.08					0.06
Ethylbenzene	0.08	0.07					0.07
m-Xylene/p-Xylene	0.18	0.17					0.12
Styrene	0.14	0.04					0.04
o-Xylene	0.09	0.08					0.06
1-Nonene	ND	ND					ND
n-Nonane	0.05	0.04					0.06
Isopropylbenzene	0.05	0.04					0.07
a-Pinene	ND	ND					ND
n-Propylbenzene	0.05	0.05					0.03
m-Ethyltoluene	0.08	0.05					0.12
p-Ethyltoluene	0.07	0.13					0.05
1,3,5-Trimethylbenzene	0.04	0.02	U				0.05
o-Ethyltoluene	0.06	0.05					ND
b-Pinene	0.14	0.13					ND
1,2,4-Trimethylbenzene	0.12	0.07					0.07
1-Decene	ND	ND					ND
n-Decane	0.09	0.05					ND
1,2,3-Trimethylbenzene	0.10	0.08					0.07
m-Diethylbenzene	0.21	0.09					ND
p-Diethylbenzene	0.08	0.09					0.05
1-Undecene	0.05	0.06					ND
n-Undecane	0.38	0.23					0.21
1-Dodecene	ND	ND					ND
n-Dodecane	0.09	0.05	U				0.13
1-Tridecene	ND	ND					ND
n-Tridecane	0.02	0.02	U				ND
TNMOC (speciated) in ppbv	24.77	14.19					13.42
TNMOC (w/ unknowns) in ppbC	195.29	187.68					131.39

NR Not reported due to a large interfering non-target peak.
U Under detection limit.

Souix Falls, South Dakota (CUSD) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbV)

Sample No.:	SFSD 30010	SFSD 30041	SFSD 30102	SFSD 30217	SFSD 30184	SFSD 30294	SFSD 30385 D1
Sampling Date:	9/23/2002	9/29/2002	10/5/2002	10/11/2002	10/11/2002	10/17/2002	10/23/2002
Analysis Date:	10/17/2002	10/18/2002	10/22/2002	10/24/2002		11/13/2002	11/23/2002
Filename:	L2JQ005	L2JQ016	L2JV015	L2JW018	VOID	N2KL024	L2KV018
Ethylene	1.09	1.34	1.38	1.16		1.43	0.75
Acetylene	0.59	0.85	0.89	0.86		1.08	0.57
Ethane	2.15	3.77	2.91	3.14		2.79	2.68
Propylene	0.49	0.45	0.49	0.38		0.46	0.19
Propane	1.40	3.01	2.31	2.73		2.62	2.03
Propyne	ND	ND	ND	ND		ND	ND
Isobutane	0.27	0.41	0.30	0.80		0.45	0.62
Isobutene/1-Butene	0.35	0.32	0.38	0.39		0.69	0.15
1,3-Butadiene	ND	ND	ND	ND		ND	ND
n-Butane	0.64	0.87	0.62	1.44		0.92	1.23
trans-2-Butene	0.11	0.09	0.09	0.10		0.08	ND
cis-2-Butene	0.14	0.15	0.14	0.13		0.08	ND
3-Methyl-1-butene	ND	ND	ND	ND		ND	ND
Isopentane	1.36	1.30	1.09	5.56		1.16	1.87
1-Pentene	ND	0.10	ND	ND		0.13	0.07
2-Methyl-1-butene	0.07	0.06	0.06	0.07		0.07	0.04 U
n-Pentane	0.39	0.45	0.36	1.19		0.45	1.09
Isoprene	0.10	0.13	0.12	3.38		0.08	1.87
trans-2-Pentene	0.09	0.11	0.08	0.16		0.11	0.05
cis-2-Pentene	0.10	0.10	0.09	0.10		0.08	ND
2-Methyl-2-butene	0.06	0.06	0.06	0.08		0.09	ND
2,2-Dimethylbutane	0.14	0.13	0.12	0.16		0.07	ND
Cyclopentene	ND	ND	ND	0.09		0.04 U	ND
4-Methyl-1-pentene	ND	ND	ND	ND		ND	0.06
Cyclopentane	0.13	0.12	0.14	0.14		0.05	0.05
2,3-Dimethylbutane	0.15	0.17	0.15	0.16		0.12	0.06
2-Methylpentane	0.21	0.22	0.22	0.23		0.25	0.17
3-Methylpentane	0.20	0.21	0.22	0.28		0.17	0.12
2-Methyl-1-pentene	ND	ND	ND	ND		ND	0.10
1-Hexene	0.11	0.12	0.13	0.08		0.23	0.05
2-Ethyl-1-butene	ND	ND	ND	ND		ND	ND
n-Hexane	0.13	0.19	0.18	0.18		0.15	0.13
trans-2-Hexene	ND	ND	ND	ND		ND	ND
cis-2-Hexene	ND	ND	ND	ND		ND	ND
Methylcyclopentane	0.13	0.13	0.12	0.14		0.13	0.09
2,4-Dimethylpentane	0.12	0.11	0.09	0.10		0.06	ND
Benzene	0.24	0.30	0.29	0.33		0.34	0.21
Cyclohexane	0.17	0.14	0.15	0.20		0.23	0.07
2-Methylhexane	0.18	0.17	0.12	0.32		0.06	0.12
2,3-Dimethylpentane	0.13	0.16	0.16	0.25		0.06	0.11
3-Methylhexane	0.11	0.09	0.06	ND		0.31	0.08
1-Heptene	ND	ND	0.04	0.04 U		0.11	ND
2,2,4-Trimethylpentane	0.14	0.17	0.16	0.16		0.12	0.27
n-Heptane	0.06	0.07	0.08	0.21		0.08	0.07
Methylcyclohexane	0.07	0.07	0.07	0.13		0.05	0.05
2,2,3-Trimethylpentane	ND	ND	0.03 U	ND		0.03 U	ND
2,3,4-Trimethylpentane	0.08	0.09	0.07	0.06		0.06	0.04
Toluene	0.57	0.61	0.67	4.08		0.57	1.22
2-Methylheptane	0.07	0.07	0.07	0.07		0.02 U	ND
3-Methylheptane	0.07	0.05	0.05	0.07		0.06	ND
1-Octene	ND	ND	ND	0.03		ND	ND
n-Octane	0.08	0.08	0.06	0.16		0.06	0.07
Ethylbenzene	0.06	0.07	0.09	0.29		0.07	0.08
m-Xylene/p-Xylene	0.14	0.13	0.14	0.42		0.25	0.17
Styrene	0.07	0.07	0.06	0.08		0.05	0.13
o-Xylene	0.07	0.08	0.08	0.20		0.10	0.08
1-Nonene	ND	ND	ND	ND		0.03 U	ND
n-Nonane	0.05	0.04	0.04	0.09		0.04	0.03
Isopropylbenzene	0.06	0.05	0.04	0.11		0.08	ND
a-Pinene	0.05	0.06	0.07	0.27		ND	ND
n-Propylbenzene	0.05	0.05	0.06	0.10		0.06	0.03 U
m-Ethyltoluene	0.12	0.10	0.10	0.17		0.14	0.09
p-Ethyltoluene	0.05	0.06	0.07	0.09		0.05	ND
1,3,5-Trimethylbenzene	0.03	0.04	0.02	0.09		0.03	0.02
o-Ethyltoluene	0.05	0.04	0.05	0.10		0.04	0.02 U
b-Pinene	ND	0.08	0.09	0.12		0.07	ND
1,2,4-Trimethylbenzene	0.11	0.10	0.11	0.23		0.19	0.05
1-Decene	ND	ND	ND	ND		0.04	ND
n-Decane	0.16	0.09	0.06	0.13		0.08	0.20
1,2,3-Trimethylbenzene	0.08	ND	0.21	0.04		ND	0.09
m-Diethylbenzene	0.12	0.06	0.06	0.03		0.05	ND
p-Diethylbenzene	0.07	0.04	0.08	0.02		0.07	ND
1-Undecene	0.04	0.03 U	0.05	ND		0.10	ND
n-Undecane	0.23	0.25	0.22	0.56		0.30	0.42
1-Dodecene	ND	ND	ND	0.03 U		0.02 U	ND
n-Dodecane	0.03 U	0.17	0.03 U	0.46		0.07	0.25
1-Tridecene	ND	ND	ND	ND		ND	ND
n-Tridecane	ND	ND	ND	0.10		ND	ND
TNMOC (speciated) in ppbv	14.35	18.65	16.56	33.07		18.13	18.00
TNMOC (w/ unknowns) in ppbC	130.18	125.64	152.15	236.31		131.10	261.68

NR Not reported due to a large interfering non-target peak.
U Under detection limit.

Souix Falls, South Dakota (CUSD) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ppbV)

Sample No.:	SFSD 30385 R1	SFSD 30387 D2	SFSD 30387 R2	SFSD 30980	SFSD 30599 D1	SFSD 30601 D2	SFSD 30734
Sampling Date:	10/23/2002	10/23/2002	10/23/2002	10/29/2002	11/10/2002	11/10/2002	11/16/2002
Analysis Date:	11/25/2002	11/25/2002	11/27/2002				
Filename:	L2KY005	L2KY006	L2KZ011	VOID	VOID	VOID	N2LP007
Ethylene	1.38	1.31	1.11				
Acetylene	0.72	0.71	0.69				
Ethane	3.83	4.07	3.68				
Propylene	0.40	0.40	0.29				
Propane	2.90	2.94	2.44				
Propyne	ND	ND	ND				
Isobutane	0.98	0.80	0.76				
Isobutene/1-Butene	0.12	0.35	0.31				
1,3-Butadiene	ND	ND	ND				
n-Butane	1.80	1.72	1.70				
trans-2-Butene	0.16	0.14	0.10				
cis-2-Butene	0.22	0.29	0.16				
3-Methyl-1-butene	ND	ND	ND				
Isopentane	2.41	2.14	2.08				
1-Pentene	ND	ND	ND				
2-Methyl-1-butene	ND	ND	ND				
n-Pentane	1.33	0.59	0.60				
Isoprene	2.35	2.20	2.20				
trans-2-Pentene	0.12	0.13	0.06				
cis-2-Pentene	0.16	0.15	0.09				
2-Methyl-2-butene	ND	ND	ND				
2,2-Dimethylbutane	ND	0.23	0.13				
Cyclopentene	ND	ND	ND				
4-Methyl-1-pentene	ND	ND	ND				
Cyclopentane	0.17	0.17	0.14				
2,3-Dimethylbutane	0.25	0.24	0.16				
2-Methylpentane	0.29	0.25	0.21				
3-Methylpentane	0.29	0.25	0.19				
2-Methyl-1-pentene	0.15	0.11	ND				
1-Hexene	0.19	0.18	0.14				
2-Ethyl-1-butene	ND	ND	ND				
n-Hexane	0.26	0.22	0.17				
trans-2-Hexene	ND	ND	ND				
cis-2-Hexene	ND	0.17	ND				
Methylcyclopentane	0.19	0.18	0.13				
2,4-Dimethylpentane	0.16	0.15	0.10				
Benzene	0.34	0.30	0.24				
Cyclohexane	0.26	0.20	0.14				
2-Methylhexane	0.15	0.10	0.09				
2,3-Dimethylpentane	0.31	0.29	0.19				
3-Methylhexane	0.21	0.18	0.10				
1-Heptene	ND	ND	ND				
2,2,4-Trimethylpentane	0.45	0.45	0.40				
n-Heptane	0.16	0.15	0.11				
Methylcyclohexane	0.16	0.16	0.10				
2,2,3-Trimethylpentane	ND	ND	ND				
2,3,4-Trimethylpentane	0.14	0.12	0.10				
Toluene	1.87	1.24	1.08				
2-Methylheptane	0.09	0.09	0.05				
3-Methylheptane	0.08	0.09	0.05				
1-Octene	ND	ND	ND				
n-Octane	0.18	0.18	0.13				
Ethylbenzene	0.18	0.14	0.10				
m-Xylene/p-Xylene	0.39	0.36	0.27				
Styrene	0.19	0.20	0.16				
o-Xylene	0.19	0.18	0.14				
1-Nonene	ND	ND	ND				
n-Nonane	0.11	0.09	0.07				
Isopropylbenzene	0.14	0.14	0.08				
a-Pinene	ND	ND	ND				
n-Propylbenzene	0.10	0.10	0.06				
m-Ethyltoluene	0.18	0.13	0.11				
p-Ethyltoluene	0.11	0.10	0.06				
1,3,5-Trimethylbenzene	0.09	0.08	0.05				
o-Ethyltoluene	0.09	0.07	0.06				
b-Pinene	ND	ND	ND				
1,2,4-Trimethylbenzene	0.14	0.14	0.11				
1-Decene	ND	ND	ND				
n-Decane	0.36	0.28	0.26				
1,2,3-Trimethylbenzene	0.08	0.10	0.08				
m-Diethylbenzene	ND	0.05	ND				
p-Diethylbenzene	0.03	0.04	ND				
1-Undecene	ND	ND	ND				
n-Undecane	0.61	0.60	0.54				
1-Dodecene	ND	ND	ND				
n-Dodecane	0.38	0.39	0.32				
1-Tridecene	ND	ND	ND				
n-Tridecane	ND	ND	ND				
TNMOC (speciated) in ppbv	28.57	26.81	22.87				
TNMOC (w/ unknowns) in ppbC	338.74	334.13	288.92				

NR Not reported due to a large interfering non-target peak.
U Under detection limit.

Souix Falls, South Dakota (CUSD) 2002 Speciated Hydrocarbon Final Data Report

(Reported in ppbV)

Sample No.:	SFSD 30885	SFSD 30870	SFSD 31114	SFSD 31278	SFSD 31281	SFSD 31312	SFSD 31355
Sampling Date:	11/22/2002	11/28/2002	12/4/2002	12/10/2002	12/16/2002	12/22/2002	12/28/2002
Analysis Date:		12/21/2002	12/23/2002	1/8/2003	1/11/2003		1/18/2003
Filename:	VOID	N2LT017	N2LW009	L3AG024	N3AJ018	VOID	L3AQ021
Ethylene		1.15	17.24	1.91	2.33		2.27
Acetylene		1.13	13.08	1.07	0.91		2.10
Ethane		4.33	5.71	5.39	3.78		6.04
Propylene		0.39	5.11	0.53	0.87		0.72
Propane		3.93	15.34	3.57	2.86		4.59
Propyne		ND	ND	ND	ND		ND
Isobutane		0.80	13.55	0.66	0.52		1.94
Isobutene/1-Butene		0.27	3.34	1.70	1.31		0.74
1,3-Butadiene		0.03	U	1.04	0.09	U	0.07
n-Butane		1.84	15.74	2.01	1.12		4.32
trans-2-Butene		0.05	0.78	ND	0.03	U	0.07
cis-2-Butene		0.06	0.69	ND	0.04	U	0.07
3-Methyl-1-butene		ND	0.22	ND	ND		ND
Isopentane		1.52	41.32	2.11	0.64		3.45
1-Pentene		0.04	U	1.85	0.11		0.08
2-Methyl-1-butene		0.07	0.91	0.11	0.10		0.14
n-Pentane		1.36	116.67	0.76	0.49		1.17
Isoprene		0.02	U	0.54	1.31		0.19
trans-2-Pentene		0.13	1.51	0.04	0.02	U	0.12
cis-2-Pentene		0.05	0.69	ND	ND		0.04
2-Methyl-2-butene		0.10	1.48	ND	ND		0.13
2,2-Dimethylbutane		0.08	0.51	0.03	0.04		0.09
Cyclopentene		0.03	U	0.31	0.04	U	0.08
4-Methyl-1-pentene		ND	0.06	ND	0.08		ND
Cyclopentane		0.17	1.22	0.10	0.09		0.11
2,3-Dimethylbutane		0.08	0.87	0.05	0.08		0.10
2-Methylpentane		0.24	3.99	0.19	0.85		0.36
3-Methylpentane		0.15	2.57	0.71	0.16		0.34
2-Methyl-1-pentene		ND	0.19	0.05	ND		ND
1-Hexene		0.02	U	0.21	0.12	0.21	0.05
2-Ethyl-1-butene		ND	ND	ND	ND		ND
n-Hexane		0.22	3.01	0.22	0.27		0.32
trans-2-Hexene		0.02	U	0.32	ND		ND
cis-2-Hexene		ND	ND	ND	0.09		ND
Methylcyclopentane		0.10	1.56	0.11	0.42		0.17
2,4-Dimethylpentane		0.04	0.40	ND	ND		0.07
Benzene		0.38	3.29	0.39	0.31		0.50
Cyclohexane		0.08	1.75	0.11	0.07		0.23
2-Methylhexane		0.14	0.92	ND	0.97		0.14
2,3-Dimethylpentane		0.04	0.54	0.17	ND		0.22
3-Methylhexane		0.06	1.00	1.10	5.84		0.23
1-Heptene		ND	ND	ND	0.09		ND
2,2,4-Trimethylpentane		0.15	1.76	0.45	0.20		0.36
n-Heptane		0.09	0.95	0.11	0.06		0.11
Methylcyclohexane		0.07	0.87	0.22	0.32		0.05
2,2,3-Trimethylpentane		ND	0.40	0.04	0.10		0.04
2,3,4-Trimethylpentane		0.05	0.62	0.05	0.05		0.05
Toluene		0.64	12.57	1.51	0.55		1.37
2-Methylheptane		0.02	U	0.35	0.04	0.33	0.03
3-Methylheptane		0.01	U	0.34	0.03	0.02	U
1-Octene		0.02	U	0.10	ND		ND
n-Octane		0.04	0.59	0.14	0.09		0.09
Ethylbenzene		0.07	1.83	0.15	0.06		0.14
m-Xylene/p-Xylene		0.24	5.77	0.40	0.66		0.37
Styrene		0.04	11.30	0.10	ND		0.11
o-Xylene		0.08	2.40	0.11	0.11		0.15
1-Nonene		0.02	U	0.35	0.02	U	0.06
n-Nonane		0.03	0.91	0.06	0.11		0.05
Isopropylbenzene		0.02	U	0.19	0.04	0.38	ND
a-Pinene		ND	0.31	0.39	0.62		ND
n-Propylbenzene		0.02	U	0.53	0.08	0.18	0.09
m-Ethyltoluene		0.13	1.93	0.12	0.11		0.17
p-Ethyltoluene		0.03	U	0.86	0.09	0.23	0.16
1,3,5-Trimethylbenzene		0.02	U	1.14	0.06	0.11	0.03
o-Ethyltoluene		0.03	U	0.57	0.05	0.20	0.06
b-Pinene		0.08	ND	ND	ND		0.08
1,2,4-Trimethylbenzene		0.07	2.57	0.15	0.30		0.15
1-Decene		ND	ND	ND	ND		ND
n-Decane		0.08	13.49	0.08	0.28		0.10
1,2,3-Trimethylbenzene		0.09	0.38	0.17	0.24		0.12
m-Diethylbenzene		0.03	0.08	0.04	0.13		0.20
p-Diethylbenzene		0.09	0.15	0.16	0.19		0.11
1-Undecene		ND	0.07	0.05	ND		ND
n-Undecane		0.32	31.48	0.32	1.23		0.62
1-Dodecene		ND	ND	0.03	U	ND	ND
n-Dodecane		0.08	6.07	0.11	0.24		0.13
1-Tridecene		ND	ND	ND	0.01	U	ND
n-Tridecane		ND	ND	ND	0.01	U	ND
TNMOC (speciated) in ppbv		21.79	380.46	30.03	32.06		36.21
TNMOC (w/ unknowns) in ppbC		126.28	2352.76	753.47	661.12		316.46

NR Not reported due to a large interfering non-target peak.
U Under detection limit.

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Sample No.:	SJPR 24887	SJPR 25055	SJPR 25136	SJPR 25255	SJPR 25388 D1	SJPR 25388 R1	SJPR 25390 D2	
Sampling Date:	1/2/2002	1/8/2002	1/14/2002	1/20/2002	1/26/2002	1/26/2002	1/26/2002	
Analysis Date:	1/25/2002	1/25/2002	1/26/2002	1/29/2002	2/26/2002	2/27/2002	2/26/2002	
Filename:	L2AY005	L2AY011	L2AY019	L2A#009	L2BZ013	L2B-008	L2BZ014	
Ethylene	9.58	7.94	8.30	6.73	6.71	6.35	6.12	
Acetylene	7.93	6.51	5.88	5.37	4.94	4.56	4.96	
Ethane	4.08	3.73	4.47	4.01	4.60	4.43	5.00	
Propylene	4.29	9.74	3.44	3.10	3.33	3.21	3.06	
Propane	39.29	34.84	36.05	35.48	35.14	32.93	34.21	
Propyne	ND	ND	ND	ND	ND	ND	ND	
Isobutane	12.54	13.38	11.92	10.08	11.78	11.48	12.98	
Isobutene/1-Butene	4.57	4.70	4.33	3.36	3.63	3.48	3.56	
1,3-Butadiene	0.95	0.86	0.89	0.85	0.74	0.70	0.72	
n-Butane	19.18	18.92	13.74	13.17	13.92	13.34	14.11	
trans-2-Butene	2.94	3.48	2.80	2.62	2.75	2.71	2.91	
cis-2-Butene	2.42	2.48	2.25	1.99	2.21	2.18	2.16	
3-Methyl-1-butene	0.31	ND	0.31	0.25	0.21	U 0.25	0.17	U
Isopentane	28.89	26.63	26.72	23.54	25.40	24.00	31.74	
1-Pentene	0.98	0.72	0.91	0.62	0.76	0.66	0.61	
2-Methyl-1-butene	1.39	1.20	1.43	0.80	1.32	1.47	1.42	
n-Pentane	10.42	10.22	10.73	8.26	10.32	9.99	14.77	
Isoprene	2.13	2.11	1.75	1.40	1.80	1.78	1.51	
trans-2-Pentene	2.96	2.94	2.65	2.35	2.38	2.29	2.23	
cis-2-Pentene	1.36	1.31	1.32	1.09	1.09	1.08	1.10	
2-Methyl-2-butene	2.65	1.86	2.81	2.05	1.83	1.65	1.62	
2,2-Dimethylbutane	1.87	1.93	1.49	1.94	3.39	3.30	3.71	
Cyclopentene	0.42	0.33	0.38	0.30	0.27	ND	ND	
4-Methyl-1-pentene	ND	0.18	U ND	ND	ND	ND	ND	
Cyclopentane	1.22	1.18	1.35	1.03	1.25	1.22	1.37	
2,3-Dimethylbutane	2.56	2.54	2.53	2.07	2.77	2.63	3.19	
2-Methylpentane	6.82	7.08	8.04	5.73	10.73	10.44	10.59	
3-Methylpentane	4.51	5.00	5.76	3.94	4.96	4.85	5.65	
2-Methyl-1-pentene	0.78	0.64	0.63	0.54	0.61	0.55	0.49	
1-Hexene	0.88	0.59	0.68	0.66	0.87	0.82	0.76	
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND	
n-Hexane	3.74	4.31	6.45	3.17	4.52	4.74	5.52	
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND	
cis-2-Hexene	0.39	0.38	0.33	0.32	0.35	0.33	0.31	
Methylcyclopentane	2.71	3.11	4.55	2.34	3.67	3.10	2.71	
2,4-Dimethylpentane	1.66	1.68	1.44	1.14	1.08	1.14	1.12	
Benzene	5.89	5.23	5.04	4.34	4.54	4.44	4.21	
Cyclohexane	1.40	2.25	2.23	1.00	1.48	1.52	1.65	
2-Methylhexane	2.90	3.63	5.52	2.40	3.08	2.99	2.73	
2,3-Dimethylpentane	2.67	2.31	2.82	1.57	1.66	1.49	1.65	
3-Methylhexane	2.61	2.59	5.98	2.22	2.51	2.28	2.70	
1-Heptene	0.52	ND	0.49	ND	0.45	ND	0.56	
2,2,4-Trimethylpentane	4.76	4.87	3.20	3.05	2.96	3.19	2.77	
n-Heptane	1.52	1.49	3.60	1.27	1.90	1.86	1.88	
Methylcyclohexane	1.40	1.13	1.67	1.17	1.18	1.18	1.33	
2,2,3-Trimethylpentane	0.81	0.86	0.58	0.50	0.49	0.53	0.49	
2,3,4-Trimethylpentane	1.92	1.76	1.20	1.19	1.31	1.24	1.19	
Toluene	19.88	18.98	17.59	15.73	19.77	20.13	21.21	
2-Methylheptane	0.74	0.66	0.74	0.63	0.76	0.77	0.80	
3-Methylheptane	0.80	0.83	0.74	0.72	0.86	0.84	0.80	
1-Octene	0.31	ND	ND	ND	0.21	U 0.22	U ND	
n-Octane	0.94	0.91	0.78	0.78	1.23	1.21	1.21	
Ethylbenzene	3.46	3.36	3.45	3.25	3.79	4.08	3.52	
m-Xylene/p-Xylene	12.32	11.71	12.50	10.40	12.72	13.47	12.42	
Styrene	1.69	1.61	1.21	1.13	2.35	2.53	1.29	
o-Xylene	4.44	4.52	4.41	3.71	4.48	4.53	4.30	
1-Nonene	0.41	ND	ND	ND	ND	0.16	U ND	
n-Nonane	0.69	0.70	0.70	0.58	0.97	0.93	0.89	
Isopropylbenzene	0.84	0.80	0.94	0.78	0.91	0.84	0.65	
a-Pinene	0.39	0.65	0.37	ND	ND	ND	0.98	
n-Propylbenzene	0.81	0.78	0.74	0.53	0.69	0.65	0.65	
m-Ethyltoluene	2.22	2.58	2.30	1.89	1.74	1.76	1.61	
p-Ethyltoluene	1.22	1.31	1.22	0.96	0.96	0.93	0.93	
1,3,5-Trimethylbenzene	1.32	1.56	1.46	1.17	0.97	1.03	1.00	
o-Ethyltoluene	ND	ND	ND	ND	ND	ND	ND	
b-Pinene	ND	ND	1.41	1.16	2.01	2.09	0.83	
1,2,4-Trimethylbenzene	3.89	4.71	4.01	3.23	3.12	3.13	2.65	
1-Decene	ND	ND	ND	ND	ND	ND	ND	
n-Decane	1.36	1.67	1.64	1.12	2.87	2.38	3.79	
1,2,3-Trimethylbenzene	0.76	0.94	0.74	0.71	0.65	0.66	0.53	
m-Diethylbenzene	ND	ND	ND	ND	ND	ND	ND	
p-Diethylbenzene	ND	0.55	ND	ND	ND	ND	ND	
1-Undecene	0.22	U 0.16	U ND	ND	ND	ND	ND	
n-Undecane	1.05	0.96	1.49	1.12	5.11	4.91	9.59	
1-Dodecene	0.38	U ND	0.21	U 0.35	U ND	ND	ND	
n-Dodecane	1.04	0.87	1.31	1.49	6.10	5.77	11.56	
1-Tridecene	ND	ND	ND	ND	ND	ND	ND	
n-Tridecane	0.29	U 0.27	U 0.32	U 0.59	U 1.57	1.45	3.16	
TNMOC (speciated)	274.25	269.71	268.90	221.06	264.70	256.79	285.88	
TNMOC (w/ unknowns)	404.83	424.87	436.87	352.08	607.01	611.20	416.61	

U Under detection limit.

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Sample No.:	SJPR 25390 R2	SJPR 25521	SJPR 25674	SJPR 25846	SJPR 25848	SJPR 26021 D1	SJPR 26021 R1
Sampling Date:	1/26/2002	2/1/2002	2/7/2002	2/13/2002	2/19/2002	2/25/2002	2/25/2002
Analysis Date:	2/27/2002	2/27/2002			3/6/2002	3/7/2002	3/7/2002
Filename:	L2B-009	L2BZ024	VOID	VOID	L2CE015	L2CF016	L2CG009
Ethylene	6.06	5.59			3.98	5.01	6.21
Acetylene	4.83	4.18			4.02	3.78	4.07
Ethane	5.13	3.99			5.77	4.58	5.86
Propylene	2.93	2.47			2.04	1.94	3.40
Propane	33.83	14.57			53.48	25.61	30.72
Propyne	ND	ND			ND	ND	ND
Isobutane	12.91	6.32			3.42	6.11	7.38
Isobutene/1-Butene	3.54	2.42			3.63	2.24	3.39
1,3-Butadiene	0.66	0.57			0.37	0.30	ND
n-Butane	14.09	8.38			5.32	8.42	10.41
trans-2-Butene	2.93	1.75			1.08	1.57	2.36
cis-2-Butene	2.12	1.35			1.00	1.37	2.42
3-Methyl-1-butene	0.16	0.14	U		ND	ND	ND
Isopentane	31.67	15.33			8.97	19.82	19.19
1-Pentene	1.29	0.48			0.55	1.49	1.87
2-Methyl-1-butene	1.57	0.50			0.34	0.48	ND
n-Pentane	14.78	4.87			3.02	5.12	6.32
Isoprene	1.50	1.80			1.08	33.22	33.94
trans-2-Pentene	2.29	1.57			1.32	2.17	2.73
cis-2-Pentene	1.11	0.77			0.72	1.02	1.97
2-Methyl-2-butene	1.61	1.10			1.05	1.08	1.23
2,2-Dimethylbutane	3.70	2.40			1.29	2.00	3.35
Cyclopentene	ND	ND			0.41	ND	ND
4-Methyl-1-pentene	ND	ND			ND	ND	ND
Cyclopentane	1.39	0.83			0.57	0.76	1.70
2,3-Dimethylbutane	3.17	1.57			0.99	1.59	2.88
2-Methylpentane	11.87	5.57			2.94	6.02	5.98
3-Methylpentane	5.69	2.81			1.77	2.69	4.06
2-Methyl-1-pentene	0.47	0.24	U		0.25	0.28	ND
1-Hexene	0.78	0.62			0.80	0.70	2.17
2-Ethyl-1-butene	ND	ND			ND	ND	ND
n-Hexane	5.44	3.62			1.99	4.01	4.74
trans-2-Hexene	ND	ND			ND	ND	ND
cis-2-Hexene	0.28	ND			ND	0.19	U
Methylcyclopentane	2.70	1.87			1.09	1.63	2.56
2,4-Dimethylpentane	1.16	0.91			0.74	0.86	2.16
Benzene	4.29	3.43			2.34	3.81	4.29
Cyclohexane	1.73	1.76			1.42	24.44	25.48
2-Methylhexane	2.61	2.70			1.34	2.67	4.10
2,3-Dimethylpentane	1.60	1.46			0.87	1.41	3.40
3-Methylhexane	2.62	2.67			0.99	2.16	3.57
1-Heptene	0.38	ND			0.23	U	ND
2,2,4-Trimethylpentane	2.77	2.21			1.67	2.80	3.41
n-Heptane	1.83	1.84			0.76	1.57	1.98
Methylcyclohexane	1.31	0.96			0.65	0.99	2.28
2,2,3-Trimethylpentane	0.46	0.36			ND	0.28	ND
2,3,4-Trimethylpentane	1.16	0.95			0.76	1.03	1.68
Toluene	20.89	13.59			8.08	12.55	11.40
2-Methylheptane	0.77	0.46			0.38	0.54	0.98
3-Methylheptane	0.77	0.54			0.47	0.55	1.04
1-Octene	ND	ND			ND	0.18	U
n-Octane	1.19	0.77			0.75	0.84	1.34
Ethylbenzene	3.68	2.57			2.53	1.89	1.89
m-Xylene/p-Xylene	12.40	7.96			7.96	5.72	4.83
Styrene	1.18	1.48			0.97	1.84	2.43
o-Xylene	4.41	3.21			2.94	2.51	2.32
1-Nonene	0.19	ND			0.22	0.18	U
n-Nonane	0.95	0.56			0.59	0.98	1.15
Isopropylbenzene	0.68	0.61			0.82	0.55	ND
a-Pinene	1.01	ND			ND	1.30	1.27
n-Propylbenzene	0.63	0.59			0.40	0.80	1.10
m-Ethyltoluene	1.72	1.31			0.87	2.16	2.02
p-Ethyltoluene	0.98	0.79			0.53	1.26	1.56
1,3,5-Trimethylbenzene	1.03	0.72			0.60	1.12	1.30
o-Ethyltoluene	ND	ND			ND	0.98	1.34
b-Pinene	0.86	0.68			ND	ND	ND
1,2,4-Trimethylbenzene	2.68	2.30			1.85	3.08	3.21
1-Decene	ND	ND			ND	ND	ND
n-Decane	3.91	1.37			0.84	6.43	6.11
1,2,3-Trimethylbenzene	0.54	0.82			0.80	0.70	1.11
m-Diethylbenzene	ND	ND			ND	4.06	ND
p-Diethylbenzene	ND	ND			ND	0.55	ND
1-Undecene	ND	ND			ND	0.16	U
n-Undecane	9.76	1.74			1.14	19.61	19.37
1-Dodecene	ND	ND			ND	ND	ND
n-Dodecane	11.51	2.65			1.65	16.49	17.16
1-Tridecene	ND	ND			ND	ND	ND
n-Tridecane	3.10	0.97			0.69	U	3.74
TNMOC (speciated)	287.23	162.61			160.10	277.14	309.90
TNMOC (w/ unknowns)	418.87	278.56			416.06	670.14	493.77

U Under detection limit.

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(Reported in ppbC)

Sample No.:	SJPR 26023 D2	SJPR 26023 R2	SJPR 26129	SJPR 26229	SJPR 26319	SJPR 26399	SJPR 26512
Sampling Date:	2/25/2002	2/25/2002	3/3/2002	3/9/2002	3/15/2002	3/21/2002	3/27/2002
Analysis Date:	3/7/2002	3/7/2002	3/8/2002	3/13/2002	3/25/2002	3/28/2002	4/6/2002
Filename:	L2CF017	L2CG010	L2CG016	L2CM009	L2CY011	L2C-014	L2DE013
Ethylene	5.14	6.48	3.52	6.93	7.22	2.24	6.47
Acetylene	3.87	4.05	1.30	5.57	5.96	1.95	4.80
Ethane	4.76	5.89	3.49	8.01	5.85	2.95	3.99
Propylene	1.84	3.25	2.07	3.48	3.52	1.63	3.26
Propane	26.57	32.99	9.55	131.24	78.17	11.21	29.03
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	5.42	6.96	6.80	10.58	9.34	5.61	10.58
Isobutene/1-Butene	2.93	3.37	2.42	3.74	3.41	2.08	3.45
1,3-Butadiene	0.38	ND	0.18	0.78	0.73	0.29	0.72
n-Butane	8.18	10.77	7.86	14.83	13.35	6.56	12.37
trans-2-Butene	1.54	2.51	1.73	3.63	3.05	1.79	3.23
cis-2-Butene	1.34	2.44	1.24	2.78	2.33	1.32	2.25
3-Methyl-1-butene	ND	ND	ND	0.46	0.23	ND	0.21
Isopentane	18.34	19.90	13.01	39.39	31.47	14.71	30.68
1-Pentene	1.41	1.37	0.55	1.26	0.84	0.50	0.70
2-Methyl-1-butene	0.56	0.88	0.35	1.87	0.59	0.32	0.61
n-Pentane	5.60	5.51	3.46	9.84	9.87	3.62	7.80
Isoprene	27.72	27.84	1.42	2.06	2.21	15.89	1.96
trans-2-Pentene	2.27	2.70	1.41	5.22	3.06	1.39	2.84
cis-2-Pentene	1.03	1.99	0.71	2.41	1.28	0.70	1.26
2-Methyl-2-butene	1.08	1.36	0.83	4.28	1.54	0.61	1.45
2,2-Dimethylbutane	1.99	3.19	1.72	3.48	2.88	2.06	3.29
Cyclopentene	ND	ND	ND	0.71	0.28	ND	0.21
4-Methyl-1-pentene	ND	ND	ND	0.24	ND	ND	ND
Cyclopentane	0.75	1.58	0.57	1.13	0.93	0.62	1.03
2,3-Dimethylbutane	1.64	2.89	1.06	2.85	2.29	1.18	2.08
2-Methylpentane	5.30	6.10	2.89	10.28	6.80	2.50	5.75
3-Methylpentane	2.72	3.87	1.51	5.62	4.10	1.81	3.72
2-Methyl-1-pentene	0.31	ND	0.23	1.06	0.40	0.16	0.38
1-Hexene	0.63	2.05	0.79	0.84	0.73	0.57	0.65
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	3.67	4.37	1.46	6.26	4.81	1.62	3.77
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	0.20	ND	ND	0.70	0.29	ND	0.28
Methylcyclopentane	1.68	2.39	1.22	3.70	2.11	0.96	1.90
2,4-Dimethylpentane	0.93	2.16	0.60	2.14	1.12	0.59	0.97
Benzene	3.10	3.44	1.53	5.53	4.39	1.94	3.81
Cyclohexane	23.13	23.78	1.38	2.06	3.14	56.35	1.65
2-Methylhexane	2.48	4.20	2.24	3.99	2.67	1.36	2.33
2,3-Dimethylpentane	1.46	3.46	0.96	2.88	1.51	1.17	1.33
3-Methylhexane	1.97	2.76	0.95	3.40	2.96	1.10	2.17
1-Heptene	ND	ND	0.27	ND	ND	0.21	ND
2,2,4-Trimethylpentane	2.81	3.24	1.30	6.31	3.29	1.28	2.59
n-Heptane	1.48	2.01	0.69	2.17	1.67	0.73	1.31
Methylcyclohexane	0.97	2.73	0.69	1.48	1.11	0.81	1.12
2,2,3-Trimethylpentane	0.41	ND	0.23	0.92	0.52	ND	0.23
2,3,4-Trimethylpentane	1.06	1.63	0.75	2.30	1.26	0.61	0.99
Toluene	12.24	10.65	4.87	21.57	23.58	7.82	21.67
2-Methylheptane	0.54	0.99	0.25	0.87	0.67	0.40	0.62
3-Methylheptane	0.59	0.97	0.40	0.97	0.73	0.43	0.63
1-Octene	0.17	ND	0.38	ND	0.15	ND	ND
n-Octane	0.88	1.31	0.72	1.07	0.94	0.74	0.82
Ethylbenzene	2.03	2.16	1.65	3.19	2.52	1.33	2.31
m-Xylene/p-Xylene	5.77	4.83	3.86	9.82	7.90	4.14	8.04
Styrene	1.61	1.87	ND	2.11	1.38	1.15	1.66
o-Xylene	2.64	2.20	1.60	3.82	3.19	1.63	2.95
1-Nonene	0.18	ND	0.16	ND	0.18	1.63	ND
n-Nonane	1.03	1.22	0.65	0.69	0.64	0.57	0.63
Isopropylbenzene	0.53	1.06	0.61	0.72	0.56	0.53	0.51
a-Pinene	0.81	ND	ND	ND	0.28	0.76	0.35
n-Propylbenzene	0.84	0.99	0.50	0.74	0.61	0.40	0.53
m-Ethyltoluene	2.12	1.90	0.81	2.18	1.75	0.74	1.58
p-Ethyltoluene	1.26	1.36	0.37	1.12	0.95	0.48	0.83
1,3,5-Trimethylbenzene	1.09	1.40	0.34	1.24	1.12	0.39	1.07
o-Ethyltoluene	1.00	1.35	ND	ND	ND	ND	ND
b-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	2.95	3.19	1.27	3.21	2.91	1.36	2.70
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	5.78	5.12	0.88	1.34	1.77	7.14	1.26
1,2,3-Trimethylbenzene	0.69	0.98	0.35	0.64	0.83	0.35	0.61
m-Diethylbenzene	2.95	ND	ND	ND	ND	ND	ND
p-Diethylbenzene	0.54	ND	ND	ND	ND	ND	0.18
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	17.25	16.43	1.16	1.46	2.73	23.34	1.12
1-Dodecene	ND	ND	ND	ND	ND	ND	ND
n-Dodecane	14.92	14.70	1.81	2.91	3.39	14.73	1.29
1-Tridecene	ND	ND	0.80	ND	ND	0.66	ND
n-Tridecane	2.51	2.61	1.14	1.62	1.43	2.31	0.64
TNMOC (speciated)	261.54	293.36	109.47	389.71	293.44	225.98	221.11
TNMOC (w/ unknowns)	607.29	396.73	292.72	531.06	384.72	481.60	289.45

U Under detection limit.

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Sample No.:	SJPR 26587	SJPR 26681	SJPR 26992	SJPR 27107 D1	SJPR 27109 D2	SJPR 27316	SJPR 27447
Sampling Date:	4/2/2002	4/8/2002	4/20/2002	4/26/2002	4/26/2002	5/2/2002	5/8/2002
Analysis Date:		4/12/2002	4/26/2002	5/3/2002	5/3/2002	5/9/2002	5/15/2002
Filename:	VOID	L2DK016	L2DZ010	L2EC012	L2EC013	L2EH023	L2EN021
Ethylene		3.89	4.31	7.55	7.71	4.09	5.33
Acetylene		3.00	2.90	5.69	6.01	7.26	3.97
Ethane		2.80	2.68	3.35	3.48	3.34	2.46
Propylene		1.74	2.00	5.72	3.81	3.78	2.51
Propane		12.87	15.62	34.24	36.67	26.66	21.95
Propyne		ND	ND	ND	ND	ND	ND
Isobutane		3.43	6.77	6.91	7.32	10.62	6.69
Isobutene/1-Butene		1.64	2.06	2.56	2.75	3.15	1.94
1,3-Butadiene		0.29	0.47	0.68	0.68	0.73	0.38
n-Butane		5.39	8.70	10.33	10.73	15.18	9.66
trans-2-Butene		1.06	1.29	1.17	1.24	1.18	0.91
cis-2-Butene		0.99	1.05	1.00	1.10	1.07	0.85
3-Methyl-1-butene		ND	ND	0.18	0.22	0.17	0.19
Isopentane		14.70	18.71	25.09	25.07	35.04	20.82
1-Pentene		0.44	0.42	0.60	0.78	0.59	0.53
2-Methyl-1-butene		0.31	0.36	0.56	0.49	0.53	0.33
n-Pentane		3.69	4.78	7.14	6.72	8.77	5.76
Isoprene		6.12	2.39	1.24	1.26	5.57	1.10
trans-2-Pentene		1.14	1.01	1.42	1.47	1.48	1.08
cis-2-Pentene		0.62	0.55	0.76	0.75	0.71	0.63
2-Methyl-2-butene		0.60	0.56	1.34	0.86	0.74	0.56
2,2-Dimethylbutane		2.70	3.20	4.13	3.79	5.97	3.35
Cyclopentene		ND	ND	0.15	ND	0.21	0.18
4-Methyl-1-pentene		ND	ND	ND	ND	ND	ND
Cyclopentane		0.63	0.65	0.99	0.89	1.21	0.84
2,3-Dimethylbutane		1.34	1.42	2.05	2.13	2.55	1.68
2-Methylpentane		4.23	3.95	6.49	5.92	7.07	4.88
3-Methylpentane		2.52	2.55	3.95	4.16	5.44	3.49
2-Methyl-1-pentene		ND	0.17	0.31	0.37	0.20	0.15
1-Hexene		0.64	0.53	0.67	0.85	0.63	0.56
2-Ethyl-1-butene		ND	ND	ND	ND	ND	ND
n-Hexane		3.78	2.86	4.30	4.42	5.79	3.57
trans-2-Hexene		ND	ND	ND	ND	ND	ND
cis-2-Hexene		ND	ND	0.16	0.20	0.15	ND
Methylcyclopentane		1.45	1.25	1.76	1.75	2.08	1.29
2,4-Dimethylpentane		0.60	0.61	0.91	0.86	0.86	0.70
Benzene		2.29	2.36	4.31	4.37	4.78	2.85
Cyclohexane		17.13	2.88	1.04	1.04	9.89	1.24
2-Methylhexane		2.49	1.55	3.10	2.71	2.82	2.31
2,3-Dimethylpentane		1.31	0.93	1.44	1.54	1.54	1.42
3-Methylhexane		2.64	1.46	2.74	ND	3.40	2.18
1-Heptene		0.31	0.28	0.34	0.40	ND	0.21
2,2,4-Trimethylpentane		1.14	1.26	1.82	1.83	2.20	1.20
n-Heptane		1.51	0.97	1.83	1.85	2.19	1.50
Methylcyclohexane		1.25	0.94	1.14	1.36	1.66	1.35
2,2,3-Trimethylpentane		0.15	0.14	0.50	0.47	0.39	0.32
2,3,4-Trimethylpentane		0.61	0.62	0.94	0.87	0.81	0.52
Toluene		9.64	13.21	22.84	22.88	26.01	16.19
2-Methylheptane		0.40	0.55	0.84	0.80	0.86	0.64
3-Methylheptane		0.41	0.52	0.95	0.96	1.02	0.73
1-Octene		ND	ND	ND	0.42	ND	0.19
n-Octane		0.56	0.91	1.07	0.98	1.51	0.90
Ethylbenzene		1.48	3.59	3.13	3.08	3.18	2.56
m-Xylene/p-Xylene		4.40	13.90	10.77	10.62	10.81	9.31
Styrene		0.99	0.59	1.74	1.16	1.93	2.01
o-Xylene		1.93	5.50	4.15	4.05	4.47	3.50
1-Nonene		0.15	ND	0.26	0.40	ND	ND
n-Nonane		0.39	0.68	0.70	0.68	1.05	0.74
Isopropylbenzene		0.50	0.50	0.56	0.50	0.60	0.68
a-Pinene		0.35	0.44	0.37	0.35	0.70	0.42
n-Propylbenzene		0.40	0.51	0.92	0.78	1.07	0.76
m-Ethyltoluene		1.02	1.32	2.70	2.24	3.49	2.21
p-Ethyltoluene		0.63	0.77	1.40	1.19	1.78	1.17
1,3,5-Trimethylbenzene		0.51	0.86	1.56	1.37	2.04	1.35
o-Ethyltoluene		ND	0.72	1.10	0.87	1.70	0.84
b-Pinene		ND	ND	ND	ND	ND	0.69
1,2,4-Trimethylbenzene		1.65	2.21	4.74	3.97	6.07	3.95
1-Decene		ND	ND	ND	ND	ND	ND
n-Decane		1.47	3.39	1.06	3.77	2.26	1.39
1,2,3-Trimethylbenzene		0.35	0.47	1.33	1.65	1.17	0.94
m-Diethylbenzene		ND	2.20	ND	ND	0.42	ND
p-Diethylbenzene		ND	0.45	ND	ND	0.39	ND
1-Undecene		ND	ND	ND	ND	ND	ND
n-Undecane		2.83	3.41	1.94	12.52	3.79	1.47
1-Dodecene		0.72	1.34	1.06	0.51	0.86	0.30
n-Dodecane		3.81	3.76	2.31	15.46	2.98	1.54
1-Tridecene		0.44	ND	ND	ND	0.17	ND
n-Tridecane		2.32	1.70	1.48	4.39	1.02	0.49
TNMOC (speciated)		150.75	170.65	231.50	256.46	273.82	178.39
TNMOC (w/ unknowns)		206.56	225.38	339.55	316.10	391.95	337.26

U Under detection limit.

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Sample No.:	SJPR 27521 D1	SJPR 27521 R1	SJPR 27523 D2	SJPR 27523 R2	SJPR 27631	SJPR 27744	SJPR 27824
Sampling Date:	5/14/2002	5/14/2002	5/14/2002	5/14/2002	5/20/2002	5/26/2002	6/1/2002
Analysis Date:	5/21/2002	5/22/2002	5/22/2002	5/23/2002		5/31/2002	6/6/2002
Filename:	L2ET019	L2EU019	L2EU020	L2EV011	VOID	L2E%007	L2FE009
Ethylene	5.75	5.98	5.74	5.79		4.67	3.74
Acetylene	5.38	5.54	5.01	5.29		2.52	2.34
Ethane	3.10	3.29	3.64	3.68		2.43	2.06
Propylene	2.59	2.70	2.68	2.63		2.25	1.85
Propane	49.97	52.12	47.95	48.31		24.36	11.79
Propyne	ND	ND	ND	ND		ND	ND
Isobutane	6.77	7.21	6.81	6.84		4.98	3.36
Isobutene/1-Butene	2.11	2.33	2.13	2.52		1.78	1.41
1,3-Butadiene	0.41	0.36	0.37	0.49		0.29	0.29
n-Butane	10.05	10.72	10.15	10.23		7.46	5.78
trans-2-Butene	1.03	1.09	1.20	1.13		0.77	0.45
cis-2-Butene	1.06	1.07	1.24	1.19		0.76	0.64
3-Methyl-1-butene	0.21	U 0.25	ND	ND		ND	ND
Isopentane	21.21	22.14	20.40	20.48		17.65	14.00
1-Pentene	0.79	0.80	0.92	0.92		0.60	0.57
2-Methyl-1-butene	0.54	0.45	0.49	0.38		0.37	0.22
n-Pentane	5.60	5.85	5.79	5.84		4.78	4.51
Isoprene	1.65	1.78	1.83	1.82		2.80	2.92
trans-2-Pentene	1.54	1.61	1.51	1.59		1.17	0.64
cis-2-Pentene	0.93	0.99	1.09	1.13		0.67	0.52
2-Methyl-2-butene	0.76	0.78	0.71	0.68		0.47	0.32
2,2-Dimethylbutane	3.28	3.49	3.45	3.45		3.41	2.43
Cyclopentene	ND	ND	ND	ND		ND	0.28
4-Methyl-1-pentene	ND	ND	ND	ND		ND	ND
Cyclopentane	1.00	1.00	1.09	0.94		1.02	0.82
2,3-Dimethylbutane	2.00	2.03	2.29	2.21		1.60	1.34
2-Methylpentane	5.83	6.01	5.96	5.74		4.15	3.29
3-Methylpentane	4.18	4.42	4.70	4.75		3.05	2.67
2-Methyl-1-pentene	ND	ND	ND	ND		ND	ND
1-Hexene	0.80	0.77	1.28	1.29		0.74	0.91
2-Ethyl-1-butene	ND	ND	ND	ND		ND	ND
n-Hexane	6.74	6.97	7.99	7.90		3.71	4.25
trans-2-Hexene	ND	ND	ND	ND		ND	ND
cis-2-Hexene	ND	ND	ND	ND		ND	ND
Methylcyclopentane	2.20	2.23	2.51	2.52		1.34	1.12
2,4-Dimethylpentane	0.88	0.93	1.25	1.22		0.66	0.70
Benzene	3.18	3.24	3.27	3.22		2.38	2.18
Cyclohexane	1.40	1.46	2.08	1.98		3.74	1.29
2-Methylhexane	4.58	4.76	5.54	5.37		1.99	1.88
2,3-Dimethylpentane	2.04	2.18	2.75	2.61		1.59	1.18
3-Methylhexane	5.03	5.16	5.55	5.84		1.84	2.77
1-Heptene	0.42	0.46	0.61	0.47		0.22	U 0.27
2,2,4-Trimethylpentane	1.07	1.29	1.26	1.30		0.93	0.84
n-Heptane	3.22	3.43	5.29	5.46		1.22	1.85
Methylcyclohexane	1.58	2.08	7.45	6.14		0.99	1.50
2,2,3-Trimethylpentane	0.29	0.38	1.42	1.69		0.18	U 0.33
2,3,4-Trimethylpentane	0.50	0.62	0.89	0.94		0.50	0.49
Toluene	15.63	16.24	25.31	25.63		14.25	13.87
2-Methylheptane	0.92	1.04	7.33	7.88		0.59	1.53
3-Methylheptane	0.98	1.10	7.14	7.88		0.67	1.65
1-Octene	ND	ND	0.44	0.47		ND	ND
n-Octane	1.57	1.68	19.91	21.47		0.88	3.60
Ethylbenzene	2.13	2.33	2.65	2.68		2.47	2.21
m-Xylene/p-Xylene	7.85	8.12	8.57	8.91		7.29	7.94
Styrene	1.19	1.01	0.50	1.09		2.65	1.33
o-Xylene	2.90	3.03	3.95	4.20		2.96	3.05
1-Nonene	ND	ND	ND	ND		ND	0.29
n-Nonane	0.88	0.91	7.91	8.18		0.74	1.30
Isopropylbenzene	0.48	0.53	0.68	0.61		0.62	0.63
a-Pinene	0.35	0.33	ND	0.47		ND	0.40
n-Propylbenzene	0.66	0.66	0.95	1.04		0.53	0.61
m-Ethyltoluene	1.84	1.83	1.85	2.09		1.54	1.63
p-Ethyltoluene	1.00	1.11	1.47	1.64		0.91	0.94
1,3,5-Trimethylbenzene	1.12	1.25	2.05	1.58		0.86	1.05
o-Ethyltoluene	0.81	0.77	1.13	1.99		0.65	0.66
b-Pinene	ND	ND	ND	0.29	U	ND	0.66
1,2,4-Trimethylbenzene	3.00	3.27	3.50	4.18		2.60	3.15
1-Decene	ND	ND	ND	ND		ND	ND
n-Decane	1.22	1.13	6.11	6.26		1.29	1.58
1,2,3-Trimethylbenzene	0.59	0.68	0.86	0.96		1.06	0.96
m-Diethylbenzene	ND	ND	ND	ND		ND	ND
p-Diethylbenzene	ND	ND	ND	ND		ND	ND
1-Undecene	ND	ND	ND	ND		ND	ND
n-Undecane	0.88	1.13	1.97	1.98		1.37	2.05
1-Dodecene	ND	0.28	U 0.29	U 0.45	U	0.80	0.64
n-Dodecane	0.85	0.97	1.53	1.64		1.33	2.03
1-Tridecene	ND	ND	ND	ND		ND	ND
n-Tridecane	0.24	U 0.22	U 0.59	U 0.62	U	0.69	U 0.56
TNMOC (speciated)	218.70	229.60	292.97	300.17		162.71	144.14
TNMOC (w/ unknowns)	263.90	272.82	350.66	493.77		223.05	212.81

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(Reported in ppbC)

Sample No.:	SJPR 27913	SJPR 27999	SJPR 28215	SJPR 28334 D1	SJPR 28334 R1	SJPR 28336 D2	SJPR 28336 R2
Sampling Date:	6/7/2002	6/13/2002	6/19/2002	6/25/2002	6/25/2002	6/25/2002	6/25/2002
Analysis Date:	7/2/2002	7/13/2002	7/13/2002	7/24/2002	8/13/2002	8/13/2002	8/15/2002
Filename:	L2GB009	L2GL022	L2GL024	N2GX007	L2HL024	L2HL025	L2HO006
Ethylene	5.10	5.99	4.53	6.32	7.66	7.85	7.45
Acetylene	3.10	4.09	2.18	4.43	4.14	4.32	4.10
Ethane	2.07	2.71	2.36	2.54	3.32	3.20	3.04
Propylene	2.29	3.36	2.12	2.81	3.43	3.61	3.45
Propane	15.86	24.80	20.71	29.18	29.97	32.65	29.86
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	5.36	6.52	6.23	5.06	5.43	5.71	5.51
Isobutene/1-Butene	2.10	3.07	2.72	3.04	3.61	3.57	3.46
1,3-Butadiene	0.42	0.69	0.43	0.52	0.64	0.58	0.63
n-Butane	8.47	12.58	13.34	11.65	11.38	12.55	11.71
trans-2-Butene	0.91	1.49	2.23	2.01	2.44	2.48	2.49
cis-2-Butene	0.99	1.62	2.28	1.76	2.32	2.63	2.60
3-Methyl-1-butene	ND	0.29	0.41	0.46	ND	ND	ND
Isopentane	17.52	24.72	28.25	24.40	23.92	26.30	26.11
1-Pentene	0.70	1.10	1.42	1.03	1.24	1.74	1.70
2-Methyl-1-butene	0.49	1.02	1.26	1.56	1.48	1.43	1.36
n-Pentane	4.81	6.37	6.40	6.29	6.13	6.88	6.96
Isoprene	2.57	2.34	2.40	2.56	2.59	2.89	2.69
trans-2-Pentene	1.19	1.90	2.65	2.12	2.40	2.58	2.57
cis-2-Pentene	0.75	1.28	1.62	1.14	1.72	1.88	1.71
2-Methyl-2-butene	0.69	1.33	1.87	1.94	2.12	2.14	2.02
2,2-Dimethylbutane	3.05	3.93	2.60	2.06	3.17	3.46	3.30
Cyclopentene	ND	0.60	ND	0.45	ND	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.86	1.20	1.10	1.08	1.21	1.44	1.39
2,3-Dimethylbutane	2.16	2.46	2.28	1.89	4.28	4.79	4.48
2-Methylpentane	8.29	6.63	4.90	4.92	6.59	7.12	6.01
3-Methylpentane	8.27	6.56	4.29	3.44	4.38	4.64	4.52
2-Methyl-1-pentene	ND	ND	ND	0.22	U	ND	ND
1-Hexene	0.91	1.45	1.50	0.77	1.94	1.88	1.82
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	22.67	15.68	3.56	4.63	5.22	5.40	4.97
trans-2-Hexene	ND	ND	ND	0.39	ND	ND	ND
cis-2-Hexene	ND	ND	ND	2.09	ND	ND	ND
Methylcyclopentane	7.02	5.25	1.94	2.23	2.71	2.77	2.80
2,4-Dimethylpentane	0.78	1.17	1.12	0.78	1.42	1.81	1.56
Benzene	2.84	6.30	2.28	3.17	3.55	3.78	3.17
Cyclohexane	1.25	1.94	1.34	1.18	2.08	2.19	1.95
2-Methylhexane	2.29	3.33	1.90	2.54	3.05	3.31	2.83
2,3-Dimethylpentane	1.35	2.10	1.44	1.20	2.37	2.57	2.07
3-Methylhexane	3.25	4.14	2.33	2.66	2.61	2.67	2.38
1-Heptene	0.32	0.51	ND	0.25	0.44	0.30	0.55
2,2,4-Trimethylpentane	0.94	1.61	1.74	1.42	1.92	2.32	1.97
n-Heptane	1.79	2.27	1.17	1.85	1.83	1.94	1.60
Methylcyclohexane	1.77	2.27	1.39	1.03	1.63	1.81	1.52
2,2,3-Trimethylpentane	0.22	U	ND	0.49	ND	0.34	ND
2,3,4-Trimethylpentane	0.48	0.87	0.69	0.67	1.16	1.32	1.09
Toluene	10.55	12.99	7.97	15.91	12.10	13.13	11.85
2-Methylheptane	0.92	0.75	0.70	0.72	0.93	0.98	0.89
3-Methylheptane	0.92	0.80	0.83	1.06	1.02	1.16	0.95
1-Octene	ND	ND	ND	ND	ND	ND	ND
n-Octane	1.58	0.93	0.95	0.92	1.19	1.24	1.19
Ethylbenzene	2.04	2.03	1.29	2.91	2.09	2.48	2.27
m-Xylene/p-Xylene	6.69	7.31	4.07	9.89	6.65	7.23	6.38
Styrene	0.31	1.54	1.22	0.78	2.17	2.80	2.39
o-Xylene	2.55	2.69	1.56	2.12	2.90	3.02	2.76
1-Nonene	ND	ND	ND	0.23	U	ND	ND
n-Nonane	0.77	0.59	0.69	0.86	0.96	0.94	0.98
Isopropylbenzene	0.60	0.65	0.49	0.59	0.95	0.96	0.89
a-Pinene	0.44	ND	ND	ND	ND	0.80	ND
n-Propylbenzene	0.57	0.59	0.50	0.76	0.68	0.93	0.84
m-Ethyltoluene	1.08	1.49	0.98	2.13	1.59	1.82	1.60
p-Ethyltoluene	0.61	0.94	0.74	1.14	1.01	1.37	1.30
1,3,5-Trimethylbenzene	0.63	1.06	0.75	1.42	1.12	1.26	1.26
o-Ethyltoluene	0.55	0.97	0.61	ND	1.05	1.05	0.60
b-Pinene	ND	ND	ND	ND	1.95	2.74	ND
1,2,4-Trimethylbenzene	1.14	3.05	1.71	2.41	2.86	3.31	3.31
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.31	1.15	0.88	1.65	1.66	1.78	1.55
1,2,3-Trimethylbenzene	0.20	0.78	0.48	1.06	0.86	1.26	0.92
m-Diethylbenzene	ND	ND	ND	0.40	ND	ND	ND
p-Diethylbenzene	ND	0.48	0.28	ND	0.47	0.45	0.29
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.26	U	1.34	1.25	1.49	1.28	1.27
1-Dodecene	ND	0.67	U	0.75	U	1.34	1.31
n-Dodecane	ND	1.56	1.32	0.97	1.51	1.08	1.13
1-Tridecene	ND	0.35	U	0.35	U	0.55	U
n-Tridecane	ND	0.37	U	0.46	U	9.59	ND
TNMOC (speciated)	178.60	222.61	173.79	212.01	216.57	235.67	215.41
TNMOC (w/ unknowns)	207.40	281.84	232.70	283.83	273.88	295.97	493.77

U Under detection limit.

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Sample No.:	SJPR 28470	SJPR 28559	SJPR 28741	SJPR 28850	SJPR 28952	SJPR 29040	SJPR 29095
Sampling Date:	7/1/2002	7/7/2002	7/13/2002	7/19/2002	7/25/2002	7/31/2002	8/6/2002
Analysis Date:	8/2/2002	8/2/2002	8/6/2002	8/8/2002	8/15/2002	8/31/2002	9/3/2002
Filename:	VOID	L2HB011	L2HE018	L2HG010	L2HO004	L2H\$016	L2IC007
Ethylene		6.65	7.58	6.55	5.31	6.69	7.44
Acetylene		4.42	4.66	4.47	1.85	3.21	5.38
Ethane		3.06	3.04	2.74	3.99	2.72	2.92
Propylene		3.24	3.71	3.10	3.24	3.94	3.51
Propane		25.68	34.14	22.44	17.10	22.40	26.88
Propyne		ND	ND	ND	ND	ND	ND
Isobutane		3.91	7.40	4.10	5.20	3.30	4.19
Isobutene/1-Butene		2.34	3.51	2.69	3.65	6.46	2.70
1,3-Butadiene		0.44	0.72	0.67	ND	0.46	0.78
n-Butane		9.25	19.15	9.50	12.90	11.10	12.84
trans-2-Butene		1.17	2.63	1.59	2.76	1.17	1.28
cis-2-Butene		1.11	2.23	1.50	3.17	1.28	1.18
3-Methyl-1-butene		ND	ND	ND	ND	ND	ND
Isopentane		19.11	41.47	ND	23.91	55.26	16.80
1-Pentene		ND	ND	ND	ND	ND	ND
2-Methyl-1-butene		0.67	1.22	0.73	ND	1.22	0.76
n-Pentane		5.03	10.04	5.82	6.86	3.37	4.64
Isoprene		2.07	3.14	2.70	3.28	3.60	3.68
trans-2-Pentene		1.59	3.62	2.17	3.04	1.70	2.05
cis-2-Pentene		1.05	1.83	1.30	2.94	1.05	1.11
2-Methyl-2-butene		0.93	2.22	1.29	1.29	1.04	1.59
2,2-Dimethylbutane		2.54	4.35	2.65	4.80	1.81	2.22
Cyclopentene		ND	ND	ND	ND	ND	0.60
4-Methyl-1-pentene		ND	ND	ND	ND	ND	ND
Cyclopentane		0.96	1.64	1.13	2.40	0.96	0.94
2,3-Dimethylbutane		2.69	4.59	2.94	4.74	1.97	2.29
2-Methylpentane		5.37	8.71	3.93	5.51	5.48	5.57
3-Methylpentane		3.08	5.48	3.84	5.26	2.69	4.71
2-Methyl-1-pentene		ND	0.52	ND	ND	ND	0.30
1-Hexene		1.46	1.46	1.55	3.59	1.34	0.93
2-Ethyl-1-butene		ND	ND	ND	ND	ND	ND
n-Hexane		3.59	5.44	5.76	4.56	2.46	9.19
trans-2-Hexene		0.42	1.99	1.07	ND	0.41	0.94
cis-2-Hexene		ND	0.42	0.27	ND	ND	ND
Methylcyclopentane		1.74	3.15	2.62	3.48	2.48	3.97
2,4-Dimethylpentane		1.19	1.93	1.42	3.13	1.27	1.23
Benzene		3.33	4.47	3.45	3.21	2.68	3.36
Cyclohexane		1.25	1.62	1.84	3.94	1.29	1.71
2-Methylhexane		2.01	2.98	1.50	3.76	3.52	3.72
2,3-Dimethylpentane		1.50	2.25	2.14	4.65	1.73	2.18
3-Methylhexane		1.53	2.52	2.18	3.05	1.57	3.87
1-Heptene		0.35	0.55	0.44	ND	0.39	0.53
2,2,4-Trimethylpentane		2.09	5.32	3.03	3.58	2.39	2.88
n-Heptane		1.19	1.70	1.54	1.86	0.87	2.39
Methylcyclohexane		1.05	1.45	1.21	2.96	1.09	1.51
2,2,3-Trimethylpentane		0.34	0.93	0.45	ND	ND	0.55
2,3,4-Trimethylpentane		1.08	2.60	1.45	2.29	1.34	1.27
Toluene		10.66	19.70	13.68	7.80	8.94	11.99
2-Methylheptane		0.71	0.91	0.85	1.89	0.56	0.77
3-Methylheptane		0.77	1.02	1.05	1.96	0.78	0.89
1-Octene		0.42	0.36	ND	ND	ND	0.22
n-Octane		0.83	1.09	1.12	1.83	1.05	0.84
Ethylbenzene		2.01	3.25	2.27	1.75	1.60	2.38
m-Xylene/p-Xylene		6.62	10.30	6.87	4.74	5.03	6.47
Styrene		2.20	2.11	1.20	1.75	3.36	2.26
o-Xylene		2.81	4.10	2.85	2.56	2.03	2.72
1-Nonene		ND	0.44	ND	ND	ND	ND
n-Nonane		0.67	0.83	0.81	1.42	1.21	0.53
Isopropylbenzene		0.74	0.75	0.69	1.61	0.68	0.54
a-Pinene		ND	0.80	0.55	1.51	3.05	ND
n-Propylbenzene		0.68	0.97	0.64	1.42	0.62	0.62
m-Ethyltoluene		1.36	2.35	1.64	1.31	1.14	1.52
p-Ethyltoluene		0.88	1.37	1.05	1.65	0.78	0.97
1,3,5-Trimethylbenzene		0.84	1.62	1.15	1.53	0.91	1.12
o-Ethyltoluene		0.69	1.21	1.02	1.45	1.18	1.00
b-Pinene		0.98	0.91	0.76	3.05	2.93	2.92
1,2,4-Trimethylbenzene		2.57	4.60	2.95	2.93	2.11	3.52
1-Decene		ND	ND	ND	ND	ND	ND
n-Decane		1.36	2.00	1.67	2.33	2.67	1.16
1,2,3-Trimethylbenzene		0.82	0.97	0.80	3.47	0.85	2.39
m-Diethylbenzene		ND	19.86	ND	ND	ND	ND
p-Diethylbenzene		0.30	0.37	0.39	ND	ND	ND
1-Undecene		ND	ND	ND	ND	ND	1.25
n-Undecane		1.66	1.71	1.48	2.34	1.67	2.28
1-Dodecene		0.57	U	0.71	U	0.36	U
n-Dodecane		2.06	1.49	1.61	1.80	0.72	U
1-Tridecene		ND	ND	ND	ND	ND	2.74
n-Tridecane		0.71	U	0.34	U	ND	3.03
TNMOC (speciated)		174.40	304.50	167.67	219.34	211.90	215.26
TNMOC (w/ unknowns)		249.78	371.57	319.73	237.47	308.80	304.00

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Sample No.:	SJPR 29216	SJPR 29288	SJPR 29471	SJPR 29595	SJPR 29734	SJPR 29831 D1	SJPR 29831 R1
Sampling Date:	8/12/2002	8/18/2002	8/24/2002	8/30/2002	9/5/2002	9/11/2002	9/11/2002
Analysis Date:			9/18/2002	9/25/2002	9/25/2002	10/11/2002	10/16/2002
Filename:	VOID	VOID	L2IQ021	L2IX022	L2IX025	L2JJ025	L2JO017
Ethylene			5.65	10.65	10.84	11.51	11.74
Acetylene			3.67	7.52	7.46	8.40	8.51
Ethane			2.42	3.36	3.28	3.58	3.78
Propylene			2.83	4.84	5.02	5.36	5.57
Propane			23.94	38.06	39.53	46.99	45.02
Propyne			ND	ND	ND	ND	ND
Isobutane			4.56	6.56	5.22	6.63	6.73
Isobutene/1-Butene			2.55	3.84	3.68	4.05	3.92
1,3-Butadiene			0.54	0.90	0.98	0.99	1.19
n-Butane			13.40	20.95	16.05	21.75	21.63
trans-2-Butene			1.17	1.99	1.45	1.80	1.72
cis-2-Butene			1.15	1.89	1.50	1.84	1.90
3-Methyl-1-butene			ND	ND	ND	ND	ND
Isopentane			22.19	31.73	20.82	29.74	29.19
1-Pentene			ND	ND	0.60	1.63	1.47
2-Methyl-1-butene			0.64	1.10	0.61	0.88	1.01
n-Pentane			6.34	10.22	7.37	8.69	8.64
Isoprene			2.65	2.52	3.15	4.06	4.01
trans-2-Pentene			1.97	3.05	2.24	2.96	2.85
cis-2-Pentene			1.06	1.67	1.34	1.60	1.64
2-Methyl-2-butene			1.38	1.86	1.03	1.61	1.52
2,2-Dimethylbutane			2.50	3.29	2.60	2.82	2.74
Cyclopentene			0.34	0.52	ND	0.61	ND
4-Methyl-1-pentene			ND	ND	ND	ND	ND
Cyclopentane			1.06	1.53	1.30	1.76	2.64
2,3-Dimethylbutane			2.15	3.32	2.72	2.76	3.04
2-Methylpentane			4.87	7.34	7.44	5.47	5.74
3-Methylpentane			3.62	6.59	5.22	4.63	4.85
2-Methyl-1-pentene			0.34	0.38	ND	0.39	ND
1-Hexene			0.80	1.23	1.32	1.18	1.38
2-Ethyl-1-butene			ND	ND	ND	ND	ND
n-Hexane			4.43	10.21	4.83	5.14	5.20
trans-2-Hexene			0.64	1.04	0.69	ND	1.07
cis-2-Hexene			ND	ND	ND	ND	ND
Methylcyclopentane			2.11	4.46	2.68	3.02	3.07
2,4-Dimethylpentane			1.16	1.77	1.96	1.90	1.90
Benzene			3.17	5.30	4.56	4.67	5.31
Cyclohexane			1.16	1.84	1.60	1.98	2.30
2-Methylhexane			1.61	3.22	2.62	2.37	4.45
2,3-Dimethylpentane			1.52	2.33	2.93	2.14	3.23
3-Methylhexane			1.73	4.24	1.65	1.34	1.32
1-Heptene			ND	ND	0.57	0.58	ND
2,2,4-Trimethylpentane			3.03	4.76	3.78	4.35	5.12
n-Heptane			1.17	2.18	1.80	2.41	2.57
Methylcyclohexane			2.01	2.61	4.03	2.03	2.24
2,2,3-Trimethylpentane			0.44	0.55	0.65	0.67	0.60
2,3,4-Trimethylpentane			1.20	1.89	1.62	1.92	2.09
Toluene			17.25	21.28	18.08	21.62	21.30
2-Methylheptane			0.76	1.19	0.99	1.29	1.33
3-Methylheptane			0.79	1.35	1.11	1.18	1.54
1-Octene			ND	ND	ND	ND	ND
n-Octane			1.02	1.49	1.44	1.49	1.63
Ethylbenzene			2.04	3.22	2.93	3.25	3.19
m-Xylene/p-Xylene			6.52	10.90	9.63	10.41	10.28
Styrene			1.18	1.14	2.75	0.61	1.17
o-Xylene			2.61	4.41	3.76	4.14	4.14
1-Nonene			ND	ND	ND	ND	ND
n-Nonane			0.66	1.01	0.99	1.13	1.12
Isopropylbenzene			0.63	0.97	0.92	0.87	0.91
a-Pinene			0.76	0.71	0.91	ND	0.62
n-Propylbenzene			0.66	1.14	1.06	1.29	1.20
m-Ethyltoluene			1.44	3.06	2.44	3.52	3.31
p-Ethyltoluene			0.98	1.64	1.35	1.84	1.66
1,3,5-Trimethylbenzene			1.10	2.18	1.79	2.40	2.43
o-Ethyltoluene			0.71	ND	ND	2.06	1.89
b-Pinene			0.87	0.99	2.11	ND	ND
1,2,4-Trimethylbenzene			2.97	5.55	4.51	6.21	5.98
1-Decene			ND	ND	ND	ND	ND
n-Decane			2.06	2.18	1.93	1.95	2.61
1,2,3-Trimethylbenzene			0.70	1.29	1.28	1.41	1.33
m-Diethylbenzene			ND	ND	ND	0.64	ND
p-Diethylbenzene			0.43	0.61	ND	0.60	ND
1-Undecene			ND	ND	ND	ND	ND
n-Undecane			3.19	1.90	1.24	1.67	1.63
1-Dodecene			0.32	U	0.61	U	ND
n-Dodecane			2.86	1.26	1.73	1.63	1.30
1-Tridecene			ND	ND	ND	ND	ND
n-Tridecane			0.63	U	0.41	U	ND
TNMOC (speciated)			192.27	293.78	252.27	289.92	293.46
TNMOC (w/ unknowns)			279.92	352.00	493.77	493.77	351.10

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Sample No.:	SJPR 29833 D2	SJPR 29833 R2	SJPR 29897	SJPR 29990	SJPR 30069
Sampling Date:	9/11/2002	9/11/2002	9/17/2002	9/23/2002	9/29/2002
Analysis Date:	10/11/2002	10/16/2002	10/16/2002	10/17/2002	10/18/2002
Filename:	L2JJ026	L2JO018	L2JP009	L2JP017	L2JQ021
Ethylene	11.69	11.96	10.15	10.73	7.51
Acetylene	7.97	8.55	7.98	6.68	2.84
Ethane	3.61	3.75	3.55	4.23	2.63
Propylene	5.38	5.55	4.90	4.97	3.24
Propane	45.60	45.39	35.97	75.61	22.22
Propyne	ND	ND	ND	ND	ND
Isobutane	6.96	7.07	6.05	111.59	7.72
Isobutene/1-Butene	3.99	3.84	3.68	4.26	2.88
1,3-Butadiene	1.08	1.30	0.97	0.96	0.52
n-Butane	21.61	21.42	19.64	41.24	10.69
trans-2-Butene	1.76	1.73	1.52	1.76	1.23
cis-2-Butene	1.63	1.88	1.67	1.93	1.63
3-Methyl-1-butene	ND	ND	ND	0.36	ND
Isopentane	28.95	29.46	25.47	110.26	19.22
1-Pentene	1.09	1.50	ND	0.32	0.59
2-Methyl-1-butene	0.92	0.96	0.72	0.84	0.66
n-Pentane	8.72	8.76	7.51	25.87	4.92
Isoprene	4.31	3.77	3.55	4.68	3.24
trans-2-Pentene	2.90	2.67	2.60	3.36	1.78
cis-2-Pentene	1.56	1.55	1.46	1.67	1.11
2-Methyl-2-butene	1.58	1.59	1.40	1.75	0.90
2,2-Dimethylbutane	2.76	2.77	2.99	3.09	2.14
Cyclopentene	0.62	ND	ND	0.65	0.75
4-Methyl-1-pentene	ND	ND	ND	ND	ND
Cyclopentane	1.32	1.40	1.42	2.77	1.28
2,3-Dimethylbutane	2.86	2.90	2.85	3.04	2.36
2-Methylpentane	5.52	5.76	5.22	7.13	3.26
3-Methylpentane	3.98	4.73	4.24	10.04	5.48
2-Methyl-1-pentene	0.34	ND	ND	ND	ND
1-Hexene	0.95	1.24	1.46	1.67	1.65
2-Ethyl-1-butene	ND	ND	ND	ND	ND
n-Hexane	5.17	5.32	4.60	13.89	3.14
trans-2-Hexene	1.11	1.15	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND
Methylcyclopentane	3.06	3.03	2.76	4.72	1.82
2,4-Dimethylpentane	2.02	1.98	2.15	2.06	1.22
Benzene	5.32	5.15	5.05	5.17	2.80
Cyclohexane	2.26	2.35	2.18	7.28	1.32
2-Methylhexane	2.36	4.69	3.49	4.96	2.21
2,3-Dimethylpentane	2.08	2.89	2.33	3.30	1.90
3-Methylhexane	0.99	1.22	0.96	7.09	ND
1-Heptene	ND	ND	4.97	ND	ND
2,2,4-Trimethylpentane	5.26	5.59	4.97	12.53	3.01
n-Heptane	2.59	2.63	1.99	10.36	1.19
Methylcyclohexane	1.92	2.24	1.67	7.60	1.05
2,2,3-Trimethylpentane	0.52	0.71	0.60	1.35	ND
2,3,4-Trimethylpentane	1.93	2.09	1.99	2.54	1.27
Toluene	23.36	22.62	20.46	70.04	16.23
2-Methylheptane	1.80	1.27	1.28	3.03	1.85
3-Methylheptane	1.72	1.36	1.36	2.65	0.98
1-Octene	ND	0.31	ND	ND	ND
n-Octane	1.72	1.69	1.42	3.58	1.18
Ethylbenzene	2.98	3.16	2.86	4.63	1.88
m-Xylene/p-Xylene	10.30	9.73	9.49	14.55	5.89
Styrene	0.62	1.35	0.99	7.66	3.27
o-Xylene	4.29	4.05	3.94	5.51	2.71
1-Nonene	ND	ND	ND	0.34	ND
n-Nonane	1.19	1.26	0.93	2.18	0.86
Isopropylbenzene	1.23	1.10	0.94	1.03	0.96
a-Pinene	ND	0.55	0.95	2.82	0.66
n-Propylbenzene	1.25	1.26	0.94	1.61	1.83
m-Ethyltoluene	3.49	3.35	2.98	3.78	5.17
p-Ethyltoluene	1.74	1.73	1.38	2.11	2.52
1,3,5-Trimethylbenzene	2.30	2.35	2.17	2.80	2.98
o-Ethyltoluene	1.90	1.61	1.52	2.02	2.68
b-Pinene	1.77	ND	0.69	ND	ND
1,2,4-Trimethylbenzene	5.99	6.00	5.22	6.14	9.48
1-Decene	ND	ND	ND	ND	ND
n-Decane	3.19	2.06	3.21	32.20	1.73
1,2,3-Trimethylbenzene	1.44	1.94	1.20	2.01	ND
m-Diethylbenzene	0.47	ND	ND	ND	ND
p-Diethylbenzene	0.45	ND	ND	0.80	0.89
1-Undecene	ND	ND	ND	0.57	ND
n-Undecane	2.60	2.25	1.90	92.47	1.39
1-Dodecene	0.95	1.07	0.98	2.11	ND
n-Dodecane	1.82	1.57	1.87	56.27	1.54
1-Tridecene	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	6.52	ND
TNMOC (speciated)	294.80	296.16	265.35	853.70	200.02
TNMOC (w/ unknowns)	373.33	372.51	350.50	979.55	302.23

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(Reported in ppbV)

Sample No.:	SJPR 24887	SJPR 25055	SJPR 25136	SJPR 25255	SJPR 25388 D1	SJPR 25388 R1	SJPR 25390 D2
Sampling Date:	1/2/2002	1/8/2002	1/14/2002	1/20/2002	1/26/2002	1/26/2002	1/26/2002
Analysis Date:	1/25/2002	1/25/2002	1/26/2002	1/29/2002	2/26/2002	2/27/2002	2/26/2002
Filename:	L2AY005	L2AY011	L2AY019	L2A#009	L2BZ013	L2B-008	L2BZ014
Ethylene	4.79	3.97	4.15	3.36	3.35	3.18	3.06
Acetylene	3.96	3.26	2.94	2.68	2.47	2.28	2.48
Ethane	2.04	1.86	2.24	2.01	2.30	2.21	2.50
Propylene	1.43	3.25	1.15	1.03	1.11	1.07	1.02
Propane	13.10	11.61	12.02	11.83	11.71	10.98	11.40
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	3.13	3.35	2.98	2.52	2.94	2.87	3.24
Isobutene/1-Butene	1.14	1.17	1.08	0.84	0.91	0.87	0.89
1,3-Butadiene	0.24	0.21	0.22	0.21	0.18	0.17	0.18
n-Butane	4.80	4.73	3.44	3.29	3.48	3.34	3.53
trans-2-Butene	0.73	0.87	0.70	0.65	0.69	0.68	0.73
cis-2-Butene	0.61	0.62	0.56	0.50	0.55	0.54	0.54
3-Methyl-1-butene	0.06	ND	0.06	0.05	0.04	0.05	0.03
Isopentane	5.78	5.33	5.34	4.71	5.08	4.80	6.35
1-Pentene	0.20	0.14	0.18	0.12	0.15	0.13	0.12
2-Methyl-1-butene	0.28	0.24	0.29	0.16	0.26	0.29	0.28
n-Pentane	2.08	2.04	2.15	1.65	2.06	2.00	2.95
Isoprene	0.43	0.42	0.35	0.28	0.36	0.36	0.30
trans-2-Pentene	0.59	0.59	0.53	0.47	0.48	0.46	0.45
cis-2-Pentene	0.27	0.26	0.26	0.22	0.22	0.22	0.22
2-Methyl-2-butene	0.53	0.37	0.56	0.41	0.37	0.33	0.32
2,2-Dimethylbutane	0.31	0.32	0.25	0.32	0.56	0.55	0.62
Cyclopentene	0.08	0.07	0.08	0.06	0.05	ND	ND
4-Methyl-1-pentene	ND	0.03	ND	ND	ND	ND	ND
Cyclopentane	0.24	0.24	0.27	0.21	0.25	0.24	0.27
2,3-Dimethylbutane	0.43	0.42	0.42	0.35	0.46	0.44	0.53
2-Methylpentane	1.14	1.18	1.34	0.95	1.79	1.74	1.76
3-Methylpentane	0.75	0.83	0.96	0.66	0.83	0.81	0.94
2-Methyl-1-pentene	0.13	0.11	0.11	0.09	0.10	0.09	0.08
1-Hexene	0.15	0.10	0.11	0.11	0.14	0.14	0.13
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.62	0.72	1.07	0.53	0.75	0.79	0.92
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	0.07	0.06	0.05	0.05	0.06	0.06	0.05
Methylcyclopentane	0.45	0.52	0.76	0.39	0.61	0.52	0.45
2,4-Dimethylpentane	0.24	0.24	0.21	0.16	0.15	0.16	0.16
Benzene	0.98	0.87	0.84	0.72	0.76	0.74	0.70
Cyclohexane	0.23	0.38	0.37	0.17	0.25	0.25	0.27
2-Methylhexane	0.41	0.52	0.79	0.34	0.44	0.43	0.39
2,3-Dimethylpentane	0.38	0.33	0.40	0.22	0.24	0.21	0.24
3-Methylhexane	0.37	0.37	0.85	0.32	0.36	0.33	0.39
1-Heptene	0.07	ND	0.07	ND	0.06	ND	0.08
2,2,4-Trimethylpentane	0.60	0.61	0.40	0.38	0.37	0.40	0.35
n-Heptane	0.22	0.21	0.51	0.18	0.27	0.27	0.27
Methylcyclohexane	0.20	0.16	0.24	0.17	0.17	0.17	0.19
2,2,3-Trimethylpentane	0.10	0.11	0.07	0.06	0.06	0.07	0.06
2,3,4-Trimethylpentane	0.24	0.22	0.15	0.15	0.16	0.15	0.15
Toluene	2.84	2.71	2.51	2.25	2.82	2.88	3.03
2-Methylheptane	0.09	0.08	0.09	0.08	0.10	0.10	0.10
3-Methylheptane	0.10	0.10	0.09	0.09	0.11	0.10	0.10
1-Octene	0.04	ND	ND	ND	0.03	0.03	ND
n-Octane	0.12	0.11	0.10	0.10	0.15	0.15	0.15
Ethylbenzene	0.43	0.42	0.43	0.41	0.47	0.51	0.44
m-Xylene/p-Xylene	1.54	1.46	1.56	1.30	1.59	1.68	1.55
Styrene	0.21	0.20	0.15	0.14	0.29	0.32	0.16
o-Xylene	0.55	0.57	0.55	0.46	0.56	0.57	0.54
1-Nonene	0.05	ND	ND	ND	ND	0.02	ND
n-Nonane	0.08	0.08	0.08	0.06	0.11	0.10	0.10
Isopropylbenzene	0.09	0.09	0.10	0.09	0.10	0.09	0.07
a-Pinene	0.04	0.06	0.04	ND	ND	ND	0.10
n-Propylbenzene	0.09	0.09	0.08	0.06	0.08	0.07	0.07
m-Ethyltoluene	0.25	0.29	0.26	0.21	0.19	0.20	0.18
p-Ethyltoluene	0.14	0.15	0.14	0.11	0.11	0.10	0.10
1,3,5-Trimethylbenzene	0.15	0.17	0.16	0.13	0.11	0.11	0.11
o-Ethyltoluene	ND	ND	ND	ND	ND	ND	ND
b-Pinene	ND	ND	0.14	0.12	0.20	0.21	0.08
1,2,4-Trimethylbenzene	0.43	0.52	0.45	0.36	0.35	0.35	0.29
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.14	0.17	0.16	0.11	0.29	0.24	0.38
1,2,3-Trimethylbenzene	0.08	0.10	0.08	0.08	0.07	0.07	0.06
m-Diethylbenzene	ND	ND	ND	ND	ND	ND	ND
p-Diethylbenzene	ND	0.05	ND	ND	ND	ND	ND
1-Undecene	0.02	U	0.01	ND	ND	ND	ND
n-Undecane	0.10	0.09	0.14	0.10	0.46	0.45	0.87
1-Dodecene	0.03	ND	0.02	U	ND	ND	ND
n-Dodecane	0.09	0.07	0.11	0.12	0.51	0.48	0.96
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	0.02	U	0.02	U	0.12	0.11	0.24
TNMOc (speciated) in ppbv	62.31	60.54	58.99	50.05	56.45	54.30	59.31
TNMOc (w/ unknowns) in ppbC	404.83	424.87	436.87	352.08	607.01	611.20	416.61

U Under detection limit.

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Sample No.:	SJPR 25390 R2		SJPR 25521		SJPR 25674		SJPR 25846		SJPR 25848		SJPR 26021 D1		SJPR 26021 R1	
Sampling Date:	1/26/2002		2/1/2002		2/7/2002		2/13/2002		2/19/2002		2/25/2002		2/25/2002	
Analysis Date:	2/27/2002		2/27/2002						3/6/2002		3/7/2002		3/7/2002	
Filename:	L2B-009		L2BZ024		VOID		VOID		L2CE015		L2CF016		L2CG009	
Ethylene	3.03		2.80						1.99		2.51		3.11	
Acetylene	2.42		2.09						2.01		1.89		2.03	
Ethane	2.56		2.00						2.88		2.29		2.93	
Propylene	0.98		0.82						0.68		0.65		1.13	
Propane	11.28		4.86						17.83		8.54		10.24	
Propyne	ND		ND						ND		ND		ND	
Isobutane	3.23		1.58						0.85		1.53		1.84	
Isobutene/1-Butene	0.88		0.60						0.91		0.56		0.85	
1,3-Butadiene	0.17		0.14						0.09		0.08		ND	
n-Butane	3.52		2.09						1.33		2.10		2.60	
trans-2-Butene	0.73		0.44						0.27		0.39		0.59	
cis-2-Butene	0.53		0.34						0.25		0.34		0.61	
3-Methyl-1-butene	0.03	U	0.03	U					ND		ND		ND	
Isopentane	6.33		3.07						1.79		3.96		3.84	
1-Pentene	0.26		0.10						0.11		0.30		0.37	
2-Methyl-1-butene	0.31		0.10						0.07		0.10		ND	
n-Pentane	2.96		0.97						0.60		1.02		1.26	
Isoprene	0.30		0.36						0.22		6.64		6.79	
trans-2-Pentene	0.46		0.31						0.26		0.43		0.55	
cis-2-Pentene	0.22		0.15						0.14		0.20		0.39	
2-Methyl-2-butene	0.32		0.22						0.21		0.22		0.25	
2,2-Dimethylbutane	0.62		0.40						0.21		0.33		0.56	
Cyclopentene	ND		ND						0.08		ND		ND	
4-Methyl-1-pentene	ND		ND						ND		ND		ND	
Cyclopentane	0.28		0.17						0.11		0.15		0.34	
2,3-Dimethylbutane	0.53		0.26						0.16		0.27		0.48	
2-Methylpentane	1.98		0.93						0.49		1.00		1.00	
3-Methylpentane	0.95		0.47						0.30		0.45		0.68	
2-Methyl-1-pentene	0.08		0.04	U					0.04	U	0.05		ND	
1-Hexene	0.13		0.10						0.13		0.12		0.36	
2-Ethyl-1-butene	ND		ND						ND		ND		ND	
n-Hexane	0.91		0.60						0.33		0.67		0.79	
trans-2-Hexene	ND		ND						ND		ND		ND	
cis-2-Hexene	0.05		ND						ND		0.03	U	ND	
Methylcyclopentane	0.45		0.31						0.18		0.27		0.43	
2,4-Dimethylpentane	0.17		0.13						0.11		0.12		0.31	
Benzene	0.72		0.57						0.39		0.63		0.71	
Cyclohexane	0.29		0.29						0.24		4.07		4.25	
2-Methylhexane	0.37		0.39						0.19		0.38		0.59	
2,3-Dimethylpentane	0.23		0.21						0.12		0.20		0.49	
3-Methylhexane	0.37		0.38						0.14		0.31		0.51	
1-Heptene	0.05		ND						0.03	U	ND		ND	
2,2,4-Trimethylpentane	0.35		0.28						0.21		0.35		0.43	
n-Heptane	0.26		0.26						0.11		0.22		0.28	
Methylcyclohexane	0.19		0.14						0.09		0.14		0.33	
2,2,3-Trimethylpentane	0.06		0.05						ND		0.04		ND	
2,3,4-Trimethylpentane	0.15		0.12						0.09		0.13		0.21	
Toluene	2.98		1.94						1.15		1.79		1.63	
2-Methylheptane	0.10		0.06						0.05		0.07		0.12	
3-Methylheptane	0.10		0.07						0.06		0.07		0.13	
1-Octene	ND		ND						ND		0.02	U	ND	
n-Octane	0.15		0.10						0.09		0.10		0.17	
Ethylbenzene	0.46		0.32						0.32		0.24		0.24	
m-Xylene/p-Xylene	1.55		1.00						1.00		0.72		0.60	
Styrene	0.15		0.18						0.12		0.23		0.30	
o-Xylene	0.55		0.40						0.37		0.31		0.29	
1-Nonene	0.02	U	ND						0.02	U	0.02	U	ND	
n-Nonane	0.11		0.06						0.07		0.11		0.13	
Isopropylbenzene	0.08		0.07						0.09		0.06		ND	
a-Pinene	0.10		ND						ND		0.13		0.13	
n-Propylbenzene	0.07		0.07						0.04		0.09		0.12	
m-Ethyltoluene	0.19		0.15						0.10		0.24		0.22	
p-Ethyltoluene	0.11		0.09						0.06		0.14		0.17	
1,3,5-Trimethylbenzene	0.11		0.08						0.07		0.12		0.14	
o-Ethyltoluene	ND		ND						ND		0.11		0.15	
b-Pinene	0.09		0.07						ND		ND		ND	
1,2,4-Trimethylbenzene	0.30		0.26						0.21		0.34		0.36	
1-Decene	ND		ND						ND		ND		ND	
n-Decane	0.39		0.14						0.08		0.64		0.61	
1,2,3-Trimethylbenzene	0.06		0.09						0.09		0.08		0.12	
m-Diethylbenzene	ND		ND						ND		0.41		ND	
p-Diethylbenzene	ND		ND						ND		0.06		ND	
1-Undecene	ND		ND						ND		0.01	U	ND	
n-Undecane	0.89		0.16						0.10		1.78		1.76	
1-Dodecene	ND		ND						ND		ND		ND	
n-Dodecane	0.96		0.22						0.14		1.37		1.43	
1-Tridecene	ND		ND						ND		ND		ND	
n-Tridecane	0.24		0.07						0.05	U	0.23		0.29	
TNMOC (speciated) in ppbv	59.42		34.74						40.56		53.18		61.23	
TNMOC (w/ unknowns) in ppbC	418.87		278.56						416.06		670.14		493.77	

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Sample No.:	SJPR 26023 D2	SJPR 26023 R2	SJPR 26129	SJPR 26229	SJPR 26319	SJPR 26399	SJPR 26512		
Sampling Date:	2/25/2002	2/25/2002	3/3/2002	3/9/2002	3/15/2002	3/21/2002	3/27/2002		
Analysis Date:	3/7/2002	3/7/2002	3/8/2002	3/13/2002	3/25/2002	3/28/2002	4/6/2002		
Filename:	L2CF017	L2CG010	L2CG016	L2CM009	L2CY011	L2C-014	L2DE013		
Ethylene	2.57	3.24	1.76	3.47	3.61	1.12	3.23		
Acetylene	1.94	2.02	0.65	2.78	2.98	0.97	2.40		
Ethane	2.38	2.95	1.75	4.00	2.93	1.47	1.99		
Propylene	0.61	1.08	0.69	1.16	1.17	0.54	1.09		
Propane	8.86	11.00	3.18	43.75	26.06	3.74	9.68		
Propyne	ND	ND	ND	ND	ND	ND	ND		
Isobutane	1.35	1.74	1.70	2.64	2.33	1.40	2.64		
Isobutene/1-Butene	0.73	0.84	0.61	0.93	0.85	0.52	0.86		
1,3-Butadiene	0.10	ND	0.04	U	0.20	0.18	0.18		
n-Butane	2.05	2.69	1.96	3.71	3.34	1.64	3.09		
trans-2-Butene	0.38	0.63	0.43	0.91	0.76	0.45	0.81		
cis-2-Butene	0.34	0.61	0.31	0.70	0.58	0.33	0.56		
3-Methyl-1-butene	ND	ND	ND	0.09	0.05	U	ND	0.04	U
Isopentane	3.67	3.98	2.60	7.88	6.29	2.94	6.13		
1-Pentene	0.28	0.27	0.11	0.25	0.17	0.10	0.14		
2-Methyl-1-butene	0.11	0.18	0.07	0.37	0.12	0.06	0.12		
n-Pentane	1.12	1.10	0.69	1.97	1.97	0.72	1.56		
Isoprene	5.54	5.57	0.28	0.41	0.44	3.18	0.39		
trans-2-Pentene	0.45	0.54	0.28	1.04	0.61	0.28	0.57		
cis-2-Pentene	0.21	0.40	0.14	0.48	0.26	0.14	0.25		
2-Methyl-2-butene	0.22	0.27	0.17	0.86	0.31	0.12	0.29		
2,2-Dimethylbutane	0.33	0.53	0.29	0.58	0.48	0.34	0.55		
Cyclopentene	ND	ND	ND	0.14	0.06	ND	0.04	U	
4-Methyl-1-pentene	ND	ND	ND	0.04	U	ND	ND		
Cyclopentane	0.15	0.32	0.11	0.23	0.19	0.12	0.21		
2,3-Dimethylbutane	0.27	0.48	0.18	0.48	0.38	0.20	0.35		
2-Methylpentane	0.88	1.02	0.48	1.71	1.13	0.42	0.96		
3-Methylpentane	0.45	0.65	0.25	0.94	0.68	0.30	0.62		
2-Methyl-1-pentene	0.05	ND	0.04	U	0.18	0.07	0.03	U	0.06
1-Hexene	0.11	0.34	0.13	0.14	0.12	0.09	0.11		
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND		
n-Hexane	0.61	0.73	0.24	1.04	0.80	0.27	0.63		
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND		
cis-2-Hexene	0.03	U	ND	0.12	0.05	ND	0.05		
Methylcyclopentane	0.28	0.40	0.20	0.62	0.35	0.16	0.32		
2,4-Dimethylpentane	0.13	0.31	0.09	0.31	0.16	0.08	0.14		
Benzene	0.52	0.57	0.25	0.92	0.73	0.32	0.64		
Cyclohexane	3.86	3.96	0.23	0.34	0.52	9.39	0.27		
2-Methylhexane	0.35	0.60	0.32	0.57	0.38	0.19	0.33		
2,3-Dimethylpentane	0.21	0.49	0.14	0.41	0.22	0.17	0.19		
3-Methylhexane	0.28	0.39	0.14	0.49	0.42	0.16	0.31		
1-Heptene	ND	ND	0.04	ND	ND	0.03	U	ND	
2,2,4-Trimethylpentane	0.35	0.40	0.16	0.79	0.41	0.16	0.32		
n-Heptane	0.21	0.29	0.10	0.31	0.24	0.10	0.19		
Methylcyclohexane	0.14	0.39	0.10	0.21	0.16	0.12	0.16		
2,2,3-Trimethylpentane	0.05	ND	0.03	0.12	0.06	ND	0.03		
2,3,4-Trimethylpentane	0.13	0.20	0.09	0.29	0.16	0.08	0.12		
Toluene	1.75	1.52	0.70	3.08	3.37	1.12	3.10		
2-Methylheptane	0.07	0.12	0.03	0.11	0.08	0.05	0.08		
3-Methylheptane	0.07	0.12	0.05	0.12	0.09	0.05	0.08		
1-Octene	0.02	U	0.05	ND	0.02	U	ND		
n-Octane	0.11	0.16	0.09	0.13	0.12	0.09	0.10		
Ethylbenzene	0.25	0.27	0.21	0.40	0.31	0.17	0.29		
m-Xylene/p-Xylene	0.72	0.60	0.48	1.23	0.99	0.52	1.00		
Styrene	0.20	0.23	ND	0.26	0.17	0.14	0.21		
o-Xylene	0.33	0.28	0.20	0.48	0.40	0.20	0.37		
1-Nonene	0.02	U	0.02	U	0.02	U	ND		
n-Nonane	0.11	0.14	0.07	0.08	0.07	0.06	0.07		
Isopropylbenzene	0.06	0.12	0.07	0.08	0.06	0.06	0.06		
a-Pinene	0.08	ND	ND	ND	0.03	U	0.08	0.04	
n-Propylbenzene	0.09	0.11	0.06	0.08	0.07	0.04	0.06		
m-Ethyltoluene	0.24	0.21	0.09	0.24	0.19	0.08	0.18		
p-Ethyltoluene	0.14	0.15	0.04	0.12	0.11	0.05	0.09		
1,3,5-Trimethylbenzene	0.12	0.16	0.04	0.14	0.12	0.04	0.12		
o-Ethyltoluene	0.11	0.15	ND	ND	ND	ND	ND		
b-Pinene	ND	ND	ND	ND	ND	ND	ND		
1,2,4-Trimethylbenzene	0.33	0.35	0.14	0.36	0.32	0.15	0.30		
1-Decene	ND	ND	ND	ND	ND	ND	ND		
n-Decane	0.58	0.51	0.09	0.13	0.18	0.71	0.13		
1,2,3-Trimethylbenzene	0.08	0.11	0.04	0.07	0.09	0.04	0.07		
m-Diethylbenzene	0.29	ND	ND	ND	ND	ND	ND		
p-Diethylbenzene	0.05	ND	ND	ND	ND	ND	0.02		
1-Undecene	ND	ND	ND	ND	ND	ND	ND		
n-Undecane	1.57	1.49	0.11	0.13	0.25	2.12	0.10		
1-Dodecene	ND	ND	ND	ND	ND	ND	ND		
n-Dodecane	1.24	1.22	0.15	0.24	0.28	1.23	0.11		
1-Tridecene	ND	ND	0.06	ND	ND	0.05	U	ND	
n-Tridecane	0.19	0.20	0.09	0.12	0.11	0.18	0.05	U	
TNMOC (speciated) in ppbv	51.14	59.42	23.90	96.18	70.24	39.97	49.22		
TNMOC (w/ unknowns) in ppbC	607.29	396.73	292.72	531.06	384.72	481.60	289.45		

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Sample No.:	SJPR 26587	SJPR 26681	SJPR 26992	SJPR 27107 D1	SJPR 27109 D2	SJPR 27316	SJPR 27447
Sampling Date:	4/2/2002	4/8/2002	4/20/2002	4/26/2002	4/26/2002	5/2/2002	5/8/2002
Analysis Date:		4/12/2002	4/26/2002	5/3/2002	5/3/2002	5/9/2002	5/15/2002
Filename:	VOID	L2DK016	L2DZ010	L2EC012	L2EC013	L2EH023	L2EN021
Ethylene		1.94	2.16	3.77	3.85	2.04	2.67
Acetylene		1.50	1.45	2.84	3.00	3.63	1.98
Ethane		1.40	1.34	1.68	1.74	1.67	1.23
Propylene		0.58	0.67	1.91	1.27	1.26	0.84
Propane		4.29	5.21	11.41	12.22	8.89	7.32
Propyne		ND	ND	ND	ND	ND	ND
Isobutane		0.86	1.69	1.73	1.83	2.66	1.67
Isobutene/1-Butene		0.41	0.51	0.64	0.69	0.79	0.49
1,3-Butadiene		0.07	0.12	0.17	0.17	0.18	0.10
n-Butane		1.35	2.17	2.58	2.68	3.79	2.42
trans-2-Butene		0.27	0.32	0.29	0.31	0.30	0.23
cis-2-Butene		0.25	0.26	0.25	0.27	0.27	0.21
3-Methyl-1-butene		ND	ND	0.04	U 0.04	0.03	U 0.04
Isopentane		2.94	3.74	5.02	5.01	7.01	4.16
1-Pentene		0.09	0.08	0.12	0.16	0.12	0.11
2-Methyl-1-butene		0.06	0.07	0.11	0.10	0.11	0.07
n-Pentane		0.74	0.96	1.43	1.34	1.75	1.15
Isoprene		1.22	0.48	0.25	0.25	1.11	0.22
trans-2-Pentene		0.23	0.20	0.28	0.29	0.30	0.22
cis-2-Pentene		0.12	0.11	0.15	0.15	0.14	0.13
2-Methyl-2-butene		0.12	0.11	0.27	0.17	0.15	0.11
2,2-Dimethylbutane		0.45	0.53	0.69	0.63	0.99	0.56
Cyclopentene		ND	ND	0.03	U ND	0.04	U 0.04
4-Methyl-1-pentene		ND	ND	ND	ND	ND	ND
Cyclopentane		0.13	0.13	0.20	0.18	0.24	0.17
2,3-Dimethylbutane		0.22	0.24	0.34	0.35	0.42	0.28
2-Methylpentane		0.71	0.66	1.08	0.99	1.18	0.81
3-Methylpentane		0.42	0.42	0.66	0.69	0.91	0.58
2-Methyl-1-pentene		ND	0.03	U 0.05	0.06	0.03	U 0.02
1-Hexene		0.11	0.09	0.11	0.14	0.10	0.09
2-Ethyl-1-butene		ND	ND	ND	ND	ND	ND
n-Hexane		0.63	0.48	0.72	0.74	0.97	0.60
trans-2-Hexene		ND	ND	ND	ND	ND	ND
cis-2-Hexene		ND	ND	0.03	U 0.03	0.03	U ND
Methylcyclopentane		0.24	0.21	0.29	0.29	0.35	0.22
2,4-Dimethylpentane		0.09	0.09	0.13	0.12	0.12	0.10
Benzene		0.38	0.39	0.72	0.73	0.80	0.48
Cyclohexane		2.85	0.48	0.17	0.17	1.65	0.21
2-Methylhexane		0.36	0.22	0.44	0.39	0.40	0.33
2,3-Dimethylpentane		0.19	0.13	0.21	0.22	0.22	0.20
3-Methylhexane		0.38	0.21	0.39	ND	0.49	0.31
1-Heptene		0.04	0.04	0.05	0.06	ND	0.03
2,2,4-Trimethylpentane		0.14	0.16	0.23	0.23	0.27	0.15
n-Heptane		0.22	0.14	0.26	0.26	0.31	0.21
Methylcyclohexane		0.18	0.13	0.16	0.19	0.24	0.19
2,2,3-Trimethylpentane		0.02	U 0.02	U 0.06	0.06	0.05	0.04
2,3,4-Trimethylpentane		0.08	0.08	0.12	0.11	0.10	0.07
Toluene		1.38	1.89	3.26	3.27	3.72	2.31
2-Methylheptane		0.05	0.07	0.10	0.10	0.11	0.08
3-Methylheptane		0.05	0.06	0.12	0.12	0.13	0.09
1-Octene		ND	ND	ND	0.05	ND	0.02
n-Octane		0.07	0.11	0.13	0.12	0.19	0.11
Ethylbenzene		0.18	0.45	0.39	0.38	0.40	0.32
m-Xylene/p-Xylene		0.55	1.74	1.35	1.33	1.35	1.16
Styrene		0.12	0.07	0.22	0.14	0.24	0.25
o-Xylene		0.24	0.69	0.52	0.51	0.56	0.44
1-Nonene		0.02	U ND	0.03	U 0.04	ND	ND
n-Nonane		0.04	0.08	0.08	0.08	0.12	0.08
Isopropylbenzene		0.06	0.06	0.06	0.06	0.07	0.08
a-Pinene		0.03	0.04	0.04	0.04	0.07	0.04
n-Propylbenzene		0.04	0.06	0.10	0.09	0.12	0.08
m-Ethyltoluene		0.11	0.15	0.30	0.25	0.39	0.25
p-Ethyltoluene		0.07	0.09	0.16	0.13	0.20	0.13
1,3,5-Trimethylbenzene		0.06	0.10	0.17	0.15	0.23	0.15
o-Ethyltoluene		ND	0.08	0.12	0.10	0.19	0.09
b-Pinene		ND	ND	ND	ND	ND	0.07
1,2,4-Trimethylbenzene		0.18	0.25	0.53	0.44	0.67	0.44
1-Decene		ND	ND	ND	ND	ND	ND
n-Decane		0.15	0.34	0.11	0.38	0.23	0.14
1,2,3-Trimethylbenzene		0.04	0.05	0.15	0.18	0.13	0.10
m-Diethylbenzene		ND	0.22	ND	ND	0.04	ND
p-Diethylbenzene		ND	0.04	ND	ND	0.04	ND
1-Undecene		ND	ND	ND	ND	ND	ND
n-Undecane		0.26	0.31	0.18	1.14	0.34	0.13
1-Dodecene		0.06	U 0.11	0.09	0.04	U 0.07	0.02
n-Dodecane		0.32	0.31	0.19	1.29	0.25	0.13
1-Tridecene		0.03	U ND	ND	ND	0.01	U ND
n-Tridecane		0.18	0.13	0.11	0.34	0.08	0.04
TNMOC (speciated) in ppbv		30.55	34.01	50.57	52.98	56.03	37.80
TNMOC (w/ unknowns) in ppbC		206.56	225.38	339.55	316.10	391.95	337.26

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Sample No.:	SJPR 27521 D1	SJPR 27521 R1	SJPR 27523 D2	SJPR 27523 R2	SJPR 27631	SJPR 27744	SJPR 27824
Sampling Date:	5/14/2002	5/14/2002	5/14/2002	5/14/2002	5/20/2002	5/26/2002	6/1/2002
Analysis Date:	5/21/2002	5/22/2002	5/22/2002	5/23/2002		5/31/2002	6/6/2002
Filename:	L2ET019	L2EU019	L2EU020	L2EV011	VOID	L2E%007	L2FE009
Ethylene	2.87	2.99	2.87	2.90		2.33	1.87
Acetylene	2.69	2.77	2.51	2.64		1.26	1.17
Ethane	1.55	1.65	1.82	1.84		1.22	1.03
Propylene	0.86	0.90	0.89	0.88		0.75	0.62
Propane	16.66	17.37	15.98	16.10		8.12	3.93
Propyne	ND	ND	ND	ND		ND	ND
Isobutane	1.69	1.80	1.70	1.71		1.24	0.84
Isobutene/1-Butene	0.53	0.58	0.53	0.63		0.44	0.35
1,3-Butadiene	0.10	0.09	0.09	0.12		0.07	0.07
n-Butane	2.51	2.68	2.54	2.56		1.87	1.44
trans-2-Butene	0.26	0.27	0.30	0.28		0.19	0.11
cis-2-Butene	0.26	0.27	0.31	0.30		0.19	0.16
3-Methyl-1-butene	0.04	U	ND	ND		ND	ND
Isopentane	4.24	4.43	4.08	4.10		3.53	2.80
1-Pentene	0.16	0.16	0.18	0.18		0.12	0.11
2-Methyl-1-butene	0.11	0.09	0.10	0.08		0.07	0.04
n-Pentane	1.12	1.17	1.16	1.17		0.96	0.90
Isoprene	0.33	0.36	0.37	0.36		0.56	0.58
trans-2-Pentene	0.31	0.32	0.30	0.32		0.23	0.13
cis-2-Pentene	0.19	0.20	0.22	0.23		0.13	0.10
2-Methyl-2-butene	0.15	0.16	0.14	0.14		0.09	0.06
2,2-Dimethylbutane	0.55	0.58	0.57	0.58		0.57	0.41
Cyclopentene	ND	ND	ND	ND		ND	0.06
4-Methyl-1-pentene	ND	ND	ND	ND		ND	ND
Cyclopentane	0.20	0.20	0.22	0.19		0.20	0.16
2,3-Dimethylbutane	0.33	0.34	0.38	0.37		0.27	0.22
2-Methylpentane	0.97	1.00	0.99	0.96		0.69	0.55
3-Methylpentane	0.70	0.74	0.78	0.79		0.51	0.45
2-Methyl-1-pentene	ND	ND	ND	ND		ND	ND
1-Hexene	0.13	0.13	0.21	0.22		0.12	0.15
2-Ethyl-1-butene	ND	ND	ND	ND		ND	ND
n-Hexane	1.12	1.16	1.33	1.32		0.62	0.71
trans-2-Hexene	ND	ND	ND	ND		ND	ND
cis-2-Hexene	ND	ND	ND	ND		ND	ND
Methylcyclopentane	0.37	0.37	0.42	0.42		0.22	0.19
2,4-Dimethylpentane	0.13	0.13	0.18	0.17		0.09	0.10
Benzene	0.53	0.54	0.54	0.54		0.40	0.36
Cyclohexane	0.23	0.24	0.35	0.33		0.62	0.22
2-Methylhexane	0.65	0.68	0.79	0.77		0.28	0.27
2,3-Dimethylpentane	0.29	0.31	0.39	0.37		0.23	0.17
3-Methylhexane	0.72	0.74	0.79	0.83		0.26	0.40
1-Heptene	0.06	0.07	0.09	0.07		0.03	U
2,2,4-Trimethylpentane	0.13	0.16	0.16	0.16		0.12	0.11
n-Heptane	0.46	0.49	0.76	0.78		0.17	0.26
Methylcyclohexane	0.23	0.30	1.06	0.88		0.14	0.21
2,2,3-Trimethylpentane	0.04	0.05	0.18	0.21		0.02	U
2,3,4-Trimethylpentane	0.06	0.08	0.11	0.12		0.06	0.06
Toluene	2.23	2.32	3.62	3.66		2.04	1.98
2-Methylheptane	0.11	0.13	0.92	0.99		0.07	0.19
3-Methylheptane	0.12	0.14	0.89	0.99		0.08	0.21
1-Octene	ND	ND	0.06	0.06		ND	ND
n-Octane	0.20	0.21	2.49	2.68		0.11	0.45
Ethylbenzene	0.27	0.29	0.33	0.34		0.31	0.28
m-Xylene/p-Xylene	0.98	1.01	1.07	1.11		0.91	0.99
Styrene	0.15	0.13	0.06	0.14		0.33	0.17
o-Xylene	0.36	0.38	0.49	0.53		0.37	0.38
1-Nonene	ND	ND	ND	ND		ND	0.03
n-Nonane	0.10	0.10	0.88	0.91		0.08	0.14
Isopropylbenzene	0.05	0.06	0.08	0.07		0.07	0.07
a-Pinene	0.04	0.03	ND	0.05		ND	0.04
n-Propylbenzene	0.07	0.07	0.11	0.12		0.06	0.07
m-Ethyltoluene	0.20	0.20	0.21	0.23		0.17	0.18
p-Ethyltoluene	0.11	0.12	0.16	0.18		0.10	0.10
1,3,5-Trimethylbenzene	0.12	0.14	0.23	0.18		0.10	0.12
o-Ethyltoluene	0.09	0.09	0.13	0.22		0.07	0.07
b-Pinene	ND	ND	ND	0.03	U	ND	0.07
1,2,4-Trimethylbenzene	0.33	0.36	0.39	0.46		0.29	0.35
1-Decene	ND	ND	ND	ND		ND	ND
n-Decane	0.12	0.11	0.61	0.63		0.13	0.16
1,2,3-Trimethylbenzene	0.07	0.08	0.10	0.11		0.12	0.11
m-Diethylbenzene	ND	ND	ND	ND		ND	ND
p-Diethylbenzene	ND	ND	ND	ND		ND	ND
1-Undecene	ND	ND	ND	ND		ND	ND
n-Undecane	0.08	0.10	0.18	0.18		0.12	0.19
1-Dodecene	ND	0.02	U	0.04	U	0.07	0.05
n-Dodecane	0.07	0.08	0.13	0.14		0.11	0.17
1-Tridecene	ND	ND	ND	ND		ND	ND
n-Tridecane	0.02	U	0.02	U	0.05	U	0.04
							U
TNMOC (speciated) in ppbv	50.44	52.81	59.59	60.65		34.78	28.07
TNMOC (w/ unknowns) in ppbC	263.90	272.82	350.66	493.77		223.05	212.81

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Sample No.:	SJPR 27913	SJPR 27999	SJPR 28215	SJPR 28334 D1	SJPR 28334 R1	SJPR 28336 D2	SJPR 28336 R2
Sampling Date:	6/7/2002	6/13/2002	6/19/2002	6/25/2002	6/25/2002	6/25/2002	6/25/2002
Analysis Date:	7/2/2002	7/13/2002	7/13/2002	7/24/2002	8/13/2002	8/13/2002	8/15/2002
Filename:	L2GB009	L2GL022	L2GL024	N2GX007	L2HL024	L2HL025	L2HO006
Ethylene	2.55	3.00	2.27	3.16	3.83	3.92	3.72
Acetylene	1.55	2.04	1.09	2.21	2.07	2.16	2.05
Ethane	1.04	1.36	1.18	1.27	1.66	1.60	1.52
Propylene	0.76	1.12	0.71	0.94	1.14	1.20	1.15
Propane	5.29	8.27	6.90	9.73	9.99	10.88	9.95
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	1.34	1.63	1.56	1.27	1.36	1.43	1.38
Isobutene/1-Butene	0.52	0.77	0.68	0.76	0.90	0.89	0.86
1,3-Butadiene	0.10	0.17	0.11	0.13	0.16	0.15	0.16
n-Butane	2.12	3.15	3.33	2.91	2.84	3.14	2.93
trans-2-Butene	0.23	0.37	0.56	0.50	0.61	0.62	0.62
cis-2-Butene	0.25	0.40	0.57	0.44	0.58	0.66	0.65
3-Methyl-1-butene	ND	0.06	0.08	0.09	ND	ND	ND
Isopentane	3.50	4.94	5.65	4.88	4.78	5.26	5.22
1-Pentene	0.14	0.22	0.28	0.21	0.25	0.35	0.34
2-Methyl-1-butene	0.10	0.20	0.25	0.31	0.30	0.29	0.27
n-Pentane	0.96	1.27	1.28	1.26	1.23	1.38	1.39
Isoprene	0.51	0.47	0.48	0.51	0.52	0.58	0.54
trans-2-Pentene	0.24	0.38	0.53	0.42	0.48	0.52	0.51
cis-2-Pentene	0.15	0.26	0.32	0.23	0.34	0.38	0.34
2-Methyl-2-butene	0.14	0.27	0.37	0.39	0.42	0.43	0.40
2,2-Dimethylbutane	0.51	0.66	0.43	0.34	0.53	0.58	0.55
Cyclopentene	ND	0.12	ND	0.09	ND	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.17	0.24	0.22	0.22	0.24	0.29	0.28
2,3-Dimethylbutane	0.36	0.41	0.38	0.31	0.71	0.80	0.75
2-Methylpentane	1.38	1.10	0.82	0.82	1.10	1.19	1.00
3-Methylpentane	1.38	1.09	0.72	0.57	0.73	0.77	0.75
2-Methyl-1-pentene	ND	ND	ND	0.04	U	ND	ND
1-Hexene	0.15	0.24	0.25	0.13	0.32	0.31	0.30
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	3.78	2.81	0.59	0.77	0.87	0.90	0.83
trans-2-Hexene	ND	ND	ND	0.06	ND	ND	ND
cis-2-Hexene	ND	ND	ND	0.35	ND	ND	ND
Methylcyclopentane	1.17	0.88	0.32	0.37	0.45	0.46	0.47
2,4-Dimethylpentane	0.11	0.17	0.16	0.11	0.20	0.26	0.22
Benzene	0.47	1.05	0.38	0.53	0.59	0.63	0.53
Cyclohexane	0.21	0.32	0.22	0.20	0.35	0.36	0.32
2-Methylhexane	0.33	0.48	0.27	0.36	0.44	0.47	0.40
2,3-Dimethylpentane	0.19	0.30	0.21	0.17	0.34	0.37	0.30
3-Methylhexane	0.46	0.59	0.33	0.38	0.37	0.38	0.34
1-Heptene	0.05	0.07	ND	0.04	0.06	0.04	0.08
2,2,4-Trimethylpentane	0.12	0.20	0.22	0.18	0.24	0.29	0.25
n-Heptane	0.26	0.32	0.17	0.26	0.26	0.28	0.23
Methylcyclohexane	0.25	0.32	0.20	0.15	0.23	0.26	0.22
2,2,3-Trimethylpentane	0.03	U	ND	0.06	ND	0.04	ND
2,3,4-Trimethylpentane	0.06	0.11	0.09	0.08	0.14	0.16	0.14
Toluene	1.51	1.86	1.14	2.27	1.73	1.88	1.69
2-Methylheptane	0.12	0.09	0.09	0.09	0.12	0.12	0.11
3-Methylheptane	0.12	0.10	0.10	0.13	0.13	0.14	0.12
1-Octene	ND	ND	ND	ND	ND	ND	ND
n-Octane	0.20	0.12	0.12	0.11	0.15	0.15	0.15
Ethylbenzene	0.26	0.25	0.16	0.36	0.26	0.31	0.28
m-Xylene/p-Xylene	0.84	0.91	0.51	1.24	0.83	0.90	0.80
Styrene	0.04	0.19	0.15	0.10	0.27	0.35	0.30
o-Xylene	0.32	0.34	0.19	0.26	0.36	0.38	0.35
1-Nonene	ND	ND	ND	0.03	U	ND	ND
n-Nonane	0.09	0.07	0.08	0.10	0.11	0.10	0.11
Isopropylbenzene	0.07	0.07	0.05	0.07	0.11	0.11	0.10
a-Pinene	0.04	ND	ND	ND	ND	0.08	ND
n-Propylbenzene	0.06	0.07	0.06	0.08	0.08	0.10	0.09
m-Ethyltoluene	0.12	0.17	0.11	0.24	0.18	0.20	0.18
p-Ethyltoluene	0.07	0.10	0.08	0.13	0.11	0.15	0.14
1,3,5-Trimethylbenzene	0.07	0.12	0.08	0.16	0.12	0.14	0.14
o-Ethyltoluene	0.06	0.11	0.07	ND	0.12	0.12	0.07
b-Pinene	ND	ND	ND	ND	0.19	0.27	ND
1,2,4-Trimethylbenzene	0.13	0.34	0.19	0.27	0.32	0.37	0.37
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.03	0.12	0.09	0.17	0.17	0.18	0.15
1,2,3-Trimethylbenzene	0.02	0.09	0.05	0.12	0.10	0.14	0.10
m-Diethylbenzene	ND	ND	ND	0.04	ND	ND	ND
p-Diethylbenzene	ND	0.05	0.03	ND	0.05	0.04	0.03
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.02	U	0.12	0.14	0.14	0.12	0.12
1-Dodecene	ND	0.06	U	0.06	U	0.11	0.09
n-Dodecane	ND	0.13	0.11	0.08	0.13	0.09	0.09
1-Tridecene	ND	0.03	U	0.03	U	0.04	U
n-Tridecane	ND	0.03	U	0.04	U	ND	ND
TNMOC (speciated) in ppbv	37.09	47.15	37.88	45.18	47.55	51.26	47.58
TNMOC (w/ unknowns) in ppbC	207.40	281.84	232.70	283.83	273.88	295.97	493.77

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(Reported in ppbV)

Sample No.:	SJPR 28470	SJPR 28559	SJPR 28741	SJPR 28850	SJPR 28952	SJPR 29040	SJPR 29095
Sampling Date:	7/1/2002	7/7/2002	7/13/2002	7/19/2002	7/25/2002	7/31/2002	8/6/2002
Analysis Date:	8/2/2002	8/2/2002	8/6/2002	8/8/2002	8/15/2002	8/31/2002	9/3/2002
Filename:	VOID	L2HB011	L2HE018	L2HG010	L2HO004	L2HS016	L2IC007
Ethylene		3.33	3.79	3.27	2.66	3.34	3.72
Acetylene		2.21	2.33	2.24	0.92	1.60	2.69
Ethane		1.53	1.52	1.37	2.00	1.36	1.46
Propylene		1.08	1.24	1.03	1.08	1.31	1.17
Propane		8.56	11.38	7.48	5.70	7.47	8.96
Propyne		ND	ND	ND	ND	ND	ND
Isobutane		0.98	1.85	1.03	1.30	0.82	1.05
Isobutene/1-Butene		0.58	0.88	0.67	0.91	1.61	0.67
1,3-Butadiene		0.11	0.18	0.17	ND	0.11	0.19
n-Butane		2.31	4.79	2.37	3.22	2.77	3.21
trans-2-Butene		0.29	0.66	0.40	0.69	0.29	0.32
cis-2-Butene		0.28	0.56	0.38	0.79	0.32	0.30
3-Methyl-1-butene		ND	ND	ND	ND	ND	ND
Isopentane		3.82	8.29	ND	4.78	11.05	3.36
1-Pentene		ND	ND	ND	ND	ND	ND
2-Methyl-1-butene		0.13	0.24	0.15	ND	0.24	0.15
n-Pentane		1.01	2.01	1.16	1.37	0.67	0.93
Isoprene		0.41	0.63	0.54	0.66	0.72	0.74
trans-2-Pentene		0.32	0.72	0.43	0.61	0.34	0.41
cis-2-Pentene		0.21	0.37	0.26	0.59	0.21	0.22
2-Methyl-2-butene		0.19	0.44	0.26	0.26	0.21	0.32
2,2-Dimethylbutane		0.42	0.73	0.44	0.80	0.30	0.37
Cyclopentene		ND	ND	ND	ND	ND	0.12
4-Methyl-1-pentene		ND	ND	ND	ND	ND	ND
Cyclopentane		0.19	0.33	0.23	0.48	0.19	0.19
2,3-Dimethylbutane		0.45	0.76	0.49	0.79	0.33	0.38
2-Methylpentane		0.90	1.45	0.65	0.92	0.91	0.93
3-Methylpentane		0.51	0.91	0.64	0.88	0.45	0.79
2-Methyl-1-pentene		ND	0.09	ND	ND	ND	0.05
1-Hexene		0.24	0.24	0.26	0.60	0.22	0.15
2-Ethyl-1-butene		ND	ND	ND	ND	ND	ND
n-Hexane		0.60	0.91	0.96	0.76	0.41	1.53
trans-2-Hexene		0.07	0.33	0.18	ND	0.07	0.16
cis-2-Hexene		ND	0.07	0.05	ND	ND	ND
Methylcyclopentane		0.29	0.52	0.44	0.58	0.41	0.66
2,4-Dimethylpentane		0.17	0.28	0.20	0.45	0.18	0.18
Benzene		0.56	0.74	0.58	0.54	0.45	0.56
Cyclohexane		0.21	0.27	0.31	0.66	0.22	0.28
2-Methylhexane		0.29	0.43	0.21	0.54	0.50	0.53
2,3-Dimethylpentane		0.21	0.32	0.31	0.66	0.25	0.31
3-Methylhexane		0.22	0.36	0.31	0.44	0.22	0.55
1-Heptene		0.05	0.08	0.06	ND	0.06	0.08
2,2,4-Trimethylpentane		0.26	0.67	0.38	0.45	0.30	0.36
n-Heptane		0.17	0.24	0.22	0.27	0.12	0.34
Methylcyclohexane		0.15	0.21	0.17	0.42	0.16	0.22
2,2,3-Trimethylpentane		0.04	0.12	0.06	ND	ND	0.07
2,3,4-Trimethylpentane		0.14	0.32	0.18	0.29	0.17	0.16
Toluene		1.52	2.81	1.95	1.11	1.28	1.71
2-Methylheptane		0.09	0.11	0.11	0.24	0.07	0.10
3-Methylheptane		0.10	0.13	0.13	0.25	0.10	0.11
1-Octene		0.05	0.04	ND	ND	ND	0.03
n-Octane		0.10	0.14	0.14	0.23	0.13	0.10
Ethylbenzene		0.25	0.41	0.28	0.22	0.20	0.30
m-Xylene/p-Xylene		0.83	1.29	0.86	0.59	0.63	0.81
Styrene		0.28	0.26	0.15	0.22	0.42	0.28
o-Xylene		0.35	0.51	0.36	0.32	0.25	0.34
1-Nonene		ND	0.05	ND	ND	ND	ND
n-Nonane		0.07	0.09	0.09	0.16	0.13	0.06
Isopropylbenzene		0.08	0.08	0.08	0.18	0.08	0.06
a-Pinene		ND	0.08	0.05	0.15	0.31	ND
n-Propylbenzene		0.08	0.11	0.07	0.16	0.07	0.07
m-Ethyltoluene		0.15	0.26	0.18	0.15	0.13	0.17
p-Ethyltoluene		0.10	0.15	0.12	0.18	0.09	0.11
1,3,5-Trimethylbenzene		0.09	0.18	0.13	0.17	0.10	0.12
o-Ethyltoluene		0.08	0.13	0.11	0.16	0.13	0.11
b-Pinene		0.10	0.09	0.08	0.31	0.29	0.29
1,2,4-Trimethylbenzene		0.29	0.51	0.33	0.33	0.23	0.39
1-Decene		ND	ND	ND	ND	ND	ND
n-Decane		0.14	0.20	0.17	0.23	0.27	0.12
1,2,3-Trimethylbenzene		0.09	0.11	0.09	0.39	0.09	0.27
m-Diethylbenzene		ND	1.99	ND	ND	ND	ND
p-Diethylbenzene		0.03	0.04	0.04	ND	ND	ND
1-Undecene		ND	ND	ND	ND	ND	0.11
n-Undecane		0.15	0.16	0.13	0.21	0.15	0.21
1-Dodecene		0.05	U	0.02	U	ND	0.03
n-Dodecane		0.17	0.12	0.13	0.15	0.06	U
1-Tridecene		ND	ND	ND	ND	ND	0.21
n-Tridecane		0.05	U	0.03	U	ND	0.23
TNMOC (speciated) in ppbv		38.77	62.40	36.37	44.13	45.63	45.52
TNMOC (w/ unknowns) in ppbC		249.78	371.57	319.73	237.47	308.80	304.00

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(Reported in ppbV)

Sample No.:	SJPR 29216	SJPR 29288	SJPR 29471	SJPR 29595	SJPR 29734	SJPR 29831 D1	SJPR 29831 R1
Sampling Date:	8/12/2002	8/18/2002	8/24/2002	8/30/2002	9/5/2002	9/11/2002	9/11/2002
Analysis Date:			9/18/2002	9/25/2002	9/25/2002	10/11/2002	10/16/2002
Filename:	VOID	VOID	L2IQ021	L2IX022	L2IX025	L2JJ025	L2JO017
Ethylene			2.82	5.32	5.42	5.76	5.87
Acetylene			1.84	3.76	3.73	4.20	4.26
Ethane			1.21	1.68	1.64	1.79	1.89
Propylene			0.94	1.61	1.67	1.79	1.86
Propane			7.98	12.69	13.18	15.66	15.01
Propyne			ND	ND	ND	ND	ND
Isobutane			1.14	1.64	1.30	1.66	1.68
Isobutene/1-Butene			0.64	0.96	0.92	1.01	0.98
1,3-Butadiene			0.14	0.22	0.24	0.25	0.30
n-Butane			3.35	5.24	4.01	5.44	5.41
trans-2-Butene			0.29	0.50	0.36	0.45	0.43
cis-2-Butene			0.29	0.47	0.38	0.46	0.47
3-Methyl-1-butene			ND	ND	ND	ND	ND
Isopentane			4.44	6.35	4.16	5.95	5.84
1-Pentene			ND	ND	0.12	0.33	0.29
2-Methyl-1-butene			0.13	0.22	0.12	0.18	0.20
n-Pentane			1.27	2.04	1.47	1.74	1.73
Isoprene			0.53	0.50	0.63	0.81	0.80
trans-2-Pentene			0.39	0.61	0.45	0.59	0.57
cis-2-Pentene			0.21	0.33	0.27	0.32	0.33
2-Methyl-2-butene			0.28	0.37	0.21	0.32	0.30
2,2-Dimethylbutane			0.42	0.55	0.43	0.47	0.46
Cyclopentene			0.07	0.10	ND	0.12	ND
4-Methyl-1-pentene			ND	ND	ND	ND	ND
Cyclopentane			0.21	0.31	0.26	0.35	0.53
2,3-Dimethylbutane			0.36	0.55	0.45	0.46	0.51
2-Methylpentane			0.81	1.22	1.24	0.91	0.96
3-Methylpentane			0.60	1.10	0.87	0.77	0.81
2-Methyl-1-pentene			0.06	0.06	ND	0.06	ND
1-Hexene			0.13	0.20	0.22	0.20	0.23
2-Ethyl-1-butene			ND	ND	ND	ND	ND
n-Hexane			0.74	1.70	0.81	0.86	0.87
trans-2-Hexene			0.11	0.17	0.12	ND	0.18
cis-2-Hexene			ND	ND	ND	ND	ND
Methylcyclopentane			0.35	0.74	0.45	0.50	0.51
2,4-Dimethylpentane			0.17	0.25	0.28	0.27	0.27
Benzene			0.53	0.88	0.76	0.78	0.89
Cyclohexane			0.19	0.31	0.27	0.33	0.38
2-Methylhexane			0.23	0.46	0.37	0.34	0.64
2,3-Dimethylpentane			0.22	0.33	0.42	0.31	0.46
3-Methylhexane			0.25	0.61	0.24	0.19	0.19
1-Heptene			ND	ND	0.08	0.08	ND
2,2,4-Trimethylpentane			0.38	0.60	0.47	0.54	0.64
n-Heptane			0.17	0.31	0.26	0.34	0.37
Methylcyclohexane			0.29	0.37	0.58	0.29	0.32
2,2,3-Trimethylpentane			0.05	0.07	0.08	0.08	0.07
2,3,4-Trimethylpentane			0.15	0.24	0.20	0.24	0.26
Toluene			2.46	3.04	2.58	3.09	3.04
2-Methylheptane			0.09	0.15	0.12	0.16	0.17
3-Methylheptane			0.10	0.17	0.14	0.15	0.19
1-Octene			ND	ND	ND	ND	ND
n-Octane			0.13	0.19	0.18	0.19	0.20
Ethylbenzene			0.26	0.40	0.37	0.41	0.40
m-Xylene/p-Xylene			0.81	1.36	1.20	1.30	1.28
Styrene			0.15	0.14	0.34	0.08	0.15
o-Xylene			0.33	0.55	0.47	0.52	0.52
1-Nonene			ND	ND	ND	ND	ND
n-Nonane			0.07	0.11	0.11	0.13	0.12
Isopropylbenzene			0.07	0.11	0.10	0.10	0.10
a-Pinene			0.08	0.07	0.09	ND	0.06
n-Propylbenzene			0.07	0.13	0.12	0.14	0.13
m-Ethyltoluene			0.16	0.34	0.27	0.39	0.37
p-Ethyltoluene			0.11	0.18	0.15	0.20	0.18
1,3,5-Trimethylbenzene			0.12	0.24	0.20	0.27	0.27
o-Ethyltoluene			0.08	ND	ND	0.23	0.21
b-Pinene			0.09	0.10	0.21	ND	ND
1,2,4-Trimethylbenzene			0.33	0.62	0.50	0.69	0.66
1-Decene			ND	ND	ND	ND	ND
n-Decane			0.21	0.22	0.19	0.19	0.26
1,2,3-Trimethylbenzene			0.08	0.14	0.14	0.16	0.15
m-Diethylbenzene			ND	ND	ND	0.06	ND
p-Diethylbenzene			0.04	0.06	ND	0.06	ND
1-Undecene			ND	ND	ND	ND	ND
n-Undecane			0.29	0.17	0.11	0.15	0.15
1-Dodecene			0.03	U	ND	0.05	U
n-Dodecane			0.24	0.10	0.14	0.14	0.11
1-Tridecene			ND	ND	ND	ND	ND
n-Tridecane			0.05	U	0.05	U	ND
TNMOC (speciated) in ppbv			40.79	64.35	56.94	66.04	66.49
TNMOC (w/ unknowns) in ppbC			279.92	352.00	493.77	493.77	351.10

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Sample No.:	SJPR 29833 D2	SJPR 29833 R2	SJPR 29897	SJPR 29990	SJPR 30069
Sampling Date:	9/11/2002	9/11/2002	9/17/2002	9/23/2002	9/29/2002
Analysis Date:	10/11/2002	10/16/2002	10/16/2002	10/17/2002	10/18/2002
Filename:	L2JJ026	L2JQ018	L2JP009	L2JP017	L2JQ021
Ethylene	5.85	5.98	5.08	5.37	3.76
Acetylene	3.99	4.28	3.99	3.34	1.42
Ethane	1.80	1.88	1.78	2.11	1.31
Propylene	1.79	1.85	1.63	1.66	1.08
Propane	15.20	15.13	11.99	25.20	7.41
Propyne	ND	ND	ND	ND	ND
Isobutane	1.74	1.77	1.51	27.90	1.93
Isobutene/1-Butene	1.00	0.96	0.92	1.07	0.72
1,3-Butadiene	0.27	0.33	0.24	0.24	0.13
n-Butane	5.40	5.36	4.91	10.31	2.67
trans-2-Butene	0.44	0.43	0.38	0.44	0.31
cis-2-Butene	0.41	0.47	0.42	0.48	0.41
3-Methyl-1-butene	ND	ND	ND	0.07	ND
Isopentane	5.79	5.89	5.09	22.05	3.84
1-Pentene	0.22	0.30	ND	0.06	0.12
2-Methyl-1-butene	0.18	0.19	0.14	0.17	0.13
n-Pentane	1.74	1.75	1.50	5.17	0.98
Isoprene	0.86	0.75	0.71	0.94	0.65
trans-2-Pentene	0.58	0.53	0.52	0.67	0.36
cis-2-Pentene	0.31	0.31	0.29	0.33	0.22
2-Methyl-2-butene	0.32	0.32	0.28	0.35	0.18
2,2-Dimethylbutane	0.46	0.46	0.50	0.52	0.36
Cyclopentene	0.12	ND	ND	0.13	0.15
4-Methyl-1-pentene	ND	ND	ND	ND	ND
Cyclopentane	0.26	0.28	0.28	0.55	0.26
2,3-Dimethylbutane	0.48	0.48	0.47	0.51	0.39
2-Methylpentane	0.92	0.96	0.87	1.19	0.54
3-Methylpentane	0.66	0.79	0.71	1.67	0.91
2-Methyl-1-pentene	0.06	ND	ND	ND	ND
1-Hexene	0.16	0.21	0.24	0.28	0.27
2-Ethyl-1-butene	ND	ND	ND	ND	ND
n-Hexane	0.86	0.89	0.77	2.32	0.52
trans-2-Hexene	0.18	0.19	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND
Methylcyclopentane	0.51	0.51	0.46	0.79	0.30
2,4-Dimethylpentane	0.29	0.28	0.31	0.29	0.17
Benzene	0.89	0.86	0.84	0.86	0.47
Cyclohexane	0.38	0.39	0.36	1.21	0.22
2-Methylhexane	0.34	0.67	0.50	0.71	0.32
2,3-Dimethylpentane	0.30	0.41	0.33	0.47	0.27
3-Methylhexane	0.14	0.17	0.14	1.01	ND
1-Heptene	ND	ND	0.71	ND	ND
2,2,4-Trimethylpentane	0.66	0.70	0.62	1.57	0.38
n-Heptane	0.37	0.38	0.28	1.48	0.17
Methylcyclohexane	0.27	0.32	0.24	1.09	0.15
2,2,3-Trimethylpentane	0.07	0.09	0.07	0.17	ND
2,3,4-Trimethylpentane	0.24	0.26	0.25	0.32	0.16
Toluene	3.34	3.23	2.92	10.01	2.32
2-Methylheptane	0.23	0.16	0.16	0.38	0.23
3-Methylheptane	0.21	0.17	0.17	0.33	0.12
1-Octene	ND	0.04	ND	ND	ND
n-Octane	0.21	0.21	0.18	0.45	0.15
Ethylbenzene	0.37	0.39	0.36	0.58	0.23
m-Xylene/p-Xylene	1.29	1.22	1.19	1.82	0.74
Styrene	0.08	0.17	0.12	0.96	0.41
o-Xylene	0.54	0.51	0.49	0.69	0.34
1-Nonene	ND	ND	ND	0.04	ND
n-Nonane	0.13	0.14	0.10	0.24	0.10
Isopropylbenzene	0.14	0.12	0.10	0.11	0.11
a-Pinene	ND	0.05	0.09	0.28	0.07
n-Propylbenzene	0.14	0.14	0.10	0.18	0.20
m-Ethyltoluene	0.39	0.37	0.33	0.42	0.57
p-Ethyltoluene	0.19	0.19	0.15	0.23	0.28
1,3,5-Trimethylbenzene	0.26	0.26	0.24	0.31	0.33
o-Ethyltoluene	0.21	0.18	0.17	0.22	0.30
b-Pinene	0.18	ND	0.07	ND	ND
1,2,4-Trimethylbenzene	0.67	0.67	0.58	0.68	1.05
1-Decene	ND	ND	ND	ND	ND
n-Decane	0.32	0.21	0.32	3.22	0.17
1,2,3-Trimethylbenzene	0.16	0.22	0.13	0.22	ND
m-Diethylbenzene	0.05	ND	ND	ND	ND
p-Diethylbenzene	0.04	ND	ND	0.08	0.09
1-Undecene	ND	ND	ND	0.05	ND
n-Undecane	0.24	0.20	0.17	8.41	0.13
1-Dodecene	0.08	0.09	0.08	0.18	ND
n-Dodecane	0.15	0.13	0.16	4.69	0.13
1-Tridecene	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	0.50	ND
TNMOC (speciated) in ppbv	66.11	66.83	58.76	160.34	41.70
TNMOC (w/ unknowns) in ppbC	373.33	372.51	350.50	979.55	302.23

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(Reported in ppbC)

Sample No.:	SLCU 25144	SLCU 25152	SLCU 25149	SLCU 25297	SLCU 25485 D1	SLCU 25485 R1	SLCU 25486 D2
Sampling Date:	1/2/2002	1/8/2002	1/14/2002	1/20/2002	1/26/2002	1/26/2002	1/26/2002
Analysis Date:	1/25/2002	1/26/2002	1/26/2002	1/29/2002	2/27/2002	2/27/2002	2/27/2002
Filename:	L2AX021	L2AY013	L2AY021	L2A#013	L2BZ015	L2B-010	L2BZ016
Ethylene	13.90	21.73	10.07	4.99	3.26	3.29	3.24
Acetylene	13.21	21.33	9.17	5.22	3.06	2.93	2.99
Ethane	22.39	26.02	11.55	8.99	6.04	5.95	5.89
Propylene	4.59	6.22	3.26	1.59	1.58	1.57	1.60
Propane	15.46	23.69	7.98	7.29	5.77	5.71	5.79
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	10.51	14.86	7.18	4.52	3.43	3.52	3.38
Isobutene/1-Butene	3.99	4.82	3.32	1.88	2.11	1.83	1.82
1,3-Butadiene	0.84	1.16	0.57	0.30	0.23	U	0.27
n-Butane	20.83	27.59	13.30	8.54	7.87	7.93	7.91
trans-2-Butene	0.95	1.36	0.69	0.48	0.56	0.50	0.54
cis-2-Butene	1.14	1.35	0.82	0.62	0.67	0.61	0.60
3-Methyl-1-butene	0.32	0.38	0.21	U	ND	ND	ND
Isopentane	16.68	24.66	13.55	6.35	5.17	5.06	4.93
1-Pentene	1.10	0.96	0.67	0.47	0.45	0.46	0.47
2-Methyl-1-butene	1.06	1.37	0.68	0.44	0.36	0.35	0.38
n-Pentane	9.55	14.10	8.39	3.45	2.83	2.76	2.79
Isoprene	0.69	0.84	0.72	0.44	0.47	0.49	0.63
trans-2-Pentene	1.24	2.05	0.86	0.52	0.59	0.60	0.50
cis-2-Pentene	0.79	0.99	0.61	0.39	0.43	0.46	0.45
2-Methyl-2-butene	1.48	2.03	0.87	0.38	0.52	0.52	0.47
2,2-Dimethylbutane	1.08	1.43	0.89	0.62	0.64	0.67	0.62
Cyclopentene	1.54	0.31	ND	ND	0.24	U	0.46
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	2.63	4.81	1.97	0.57	0.59	0.54	0.48
2,3-Dimethylbutane	2.42	3.19	1.65	0.98	0.89	0.86	0.84
2-Methylpentane	6.23	8.66	3.79	2.01	2.11	2.06	2.22
3-Methylpentane	4.12	5.77	2.69	1.49	1.38	1.40	1.32
2-Methyl-1-pentene	0.37	0.31	ND	ND	ND	ND	ND
1-Hexene	0.98	0.89	0.68	0.54	0.63	0.65	0.69
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	6.64	8.76	3.58	1.81	1.63	1.67	1.76
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	0.24	U	ND	ND	ND	ND
Methylcyclopentane	3.16	4.54	2.05	1.08	0.95	0.97	1.09
2,4-Dimethylpentane	2.37	3.07	1.36	0.74	0.80	0.83	0.74
Benzene	7.12	11.82	4.92	2.77	2.70	2.70	2.49
Cyclohexane	1.98	2.93	1.67	0.81	0.75	0.80	0.82
2-Methylhexane	3.12	4.45	2.13	1.50	1.38	1.39	1.72
2,3-Dimethylpentane	4.27	5.61	2.67	1.57	1.38	1.33	1.39
3-Methylhexane	2.96	4.36	1.89	1.03	0.95	0.81	0.73
1-Heptene	ND	ND	ND	0.18	U	0.23	U
2,2,4-Trimethylpentane	6.45	8.30	3.42	1.54	1.43	1.46	1.49
n-Heptane	2.57	4.09	1.50	0.87	0.83	0.79	0.81
Methylcyclohexane	1.97	3.39	1.32	0.83	0.72	0.76	0.80
2,2,3-Trimethylpentane	1.07	1.57	0.44	ND	0.16	U	ND
2,3,4-Trimethylpentane	2.15	2.91	1.17	0.58	0.57	0.59	0.57
Toluene	15.72	28.41	13.48	4.66	4.49	4.30	4.13
2-Methylheptane	0.84	1.78	0.58	0.29	0.34	0.30	0.29
3-Methylheptane	0.97	1.73	0.63	0.40	0.38	0.37	0.37
1-Octene	ND	ND	ND	ND	ND	ND	0.15
n-Octane	1.16	2.97	0.77	0.48	0.48	0.49	0.47
Ethylbenzene	2.04	3.55	1.32	0.73	0.60	0.74	0.67
m-Xylene/p-Xylene	8.27	12.44	4.79	2.16	2.01	2.13	2.02
Styrene	1.30	1.38	1.02	ND	0.46	0.23	0.43
o-Xylene	2.88	4.57	1.83	0.90	0.78	0.78	0.74
1-Nonene	0.42	0.42	0.18	U	ND	ND	ND
n-Nonane	0.94	2.43	1.00	0.41	0.42	0.36	0.32
Isopropylbenzene	0.32	0.27	U	0.30	U	0.28	U
α-Pinene	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.80	1.26	0.66	0.44	0.23	U	0.27
m-Ethyltoluene	2.22	3.07	1.67	0.98	0.75	0.79	0.59
p-Ethyltoluene	1.20	1.74	0.97	0.58	0.47	0.40	0.42
1,3,5-Trimethylbenzene	1.23	1.81	0.84	0.26	0.27	0.31	0.33
o-Ethyltoluene	0.93	1.97	0.74	0.44	0.37	0.40	0.37
b-Pinene	0.51	0.21	U	ND	ND	ND	ND
1,2,4-Trimethylbenzene	2.78	3.83	1.90	0.96	0.82	0.84	0.85
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	1.69	4.81	2.81	0.59	0.61	0.59	0.69
1,2,3-Trimethylbenzene	1.14	1.33	0.80	0.57	0.48	0.42	0.40
m-Diethylbenzene	0.40	0.39	0.28	U	0.21	U	0.86
p-Diethylbenzene	0.42	0.74	0.35	0.48	0.44	0.54	0.28
1-Undecene	ND	0.41	ND	ND	ND	ND	ND
n-Undecane	2.76	4.21	5.51	2.27	2.17	2.33	1.75
1-Dodecene	ND	ND	ND	ND	ND	ND	ND
n-Dodecane	0.40	U	0.67	U	1.83	1.80	1.22
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	ND	0.44	U	0.26
TNMOC (speciated)	257.22	375.27	178.05	97.37	86.82	85.94	83.95
TNMOC (w/ unknowns)	336.44	462.28	224.35	144.27	132.93	127.29	136.09

U Under detection limit.

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(Reported in ppbC)

Sample No.:	SLCU 25486 R2		SLCU 25616		SLCU 25799		SLCU 25812		SLCU 25958		SLCU 26087 D1		SLCU 26087 R1	
Sampling Date:	1/26/2002		2/1/2002		2/7/2002		2/13/2002		2/19/2002		2/25/2002		2/25/2002	
Analysis Date:	2/27/2002		2/28/2002		2/28/2002		3/5/2002		3/5/2002		3/7/2002		3/7/2002	
Filename:	L2B-011		L2B-017		L2B1010		L2CE009		L2CE012		L2CF012		L2CG005	
Ethylene	3.20		14.97		16.82		15.35		9.30		3.07		2.92	
Acetylene	2.90		13.92		20.44		16.46		9.01		3.08		2.94	
Ethane	5.89		16.77		22.07		19.40		11.50		8.60		8.60	
Propylene	1.49		5.44		5.94		5.86		4.24		1.42		1.40	
Propane	5.74		15.08		25.23		17.87		8.77		8.27		8.24	
Propyne	ND		ND		ND		ND		ND		ND		ND	
Isobutane	3.37		8.94		14.21		10.80		5.91		2.77		2.65	
Isobutene/1-Butene	1.84		4.61		4.65		4.44		3.29		1.38		1.39	
1,3-Butadiene	0.19	U	1.08		1.02		1.00		0.67		0.17	U	0.20	U
n-Butane	7.75		19.35		25.99		23.47		13.90		5.76		5.46	
trans-2-Butene	0.48		1.15		1.33		1.20		0.95		0.38		0.37	
cis-2-Butene	0.61		1.26		1.39		1.34		1.08		0.47		0.47	
3-Methyl-1-butene	ND		0.31		0.30		0.33		0.21	U	ND		ND	
Isopentane	4.73		13.84		18.71		16.61		9.06		5.10		5.10	
1-Pentene	0.48		1.09		0.24		0.32		0.78		0.38		0.22	
2-Methyl-1-butene	0.33		1.27		1.61		1.16		0.82		0.27		0.24	U
n-Pentane	2.67		8.55		12.21		9.94		6.17		4.08		3.53	
Isoprene	0.66		0.78		0.89		0.78		0.65		0.55		0.54	
trans-2-Pentene	0.56		1.15		1.04		1.29		0.96		0.46		0.44	
cis-2-Pentene	0.47		0.79		0.76		0.84		0.71		0.47		0.38	
2-Methyl-2-butene	0.48		1.69		1.30		1.61		1.23		0.31		0.30	
2,2-Dimethylbutane	0.68		1.15		1.45		1.28		0.93		0.63		0.70	
Cyclopentene	0.42		ND		ND		0.26		ND		0.49		ND	
4-Methyl-1-pentene	ND		ND		ND		ND		ND		ND		ND	
Cyclopentane	0.53		1.11		2.73		2.27		0.76		0.86		0.78	
2,3-Dimethylbutane	0.91		2.21		2.40		2.47		1.51		0.74		0.73	
2-Methylpentane	2.46		5.90		7.70		7.17		5.09		1.69		1.55	
3-Methylpentane	1.29		3.93		4.66		4.40		2.70		1.15		1.12	
2-Methyl-1-pentene	ND		0.23	U	0.19	U	0.27		0.15	U	ND		ND	
1-Hexene	0.70		1.11		0.89		1.00		0.83		0.59		0.56	
2-Ethyl-1-butene	ND		ND		ND		ND		ND		ND		ND	
n-Hexane	1.67		5.80		6.84		6.36		4.11		1.61		1.59	
trans-2-Hexene	ND		ND		ND		ND		ND		ND		ND	
cis-2-Hexene	ND		0.15	U	ND		0.16	U	ND		ND		ND	
Methylcyclopentane	1.02		3.00		3.54		3.26		2.57		0.85		0.79	
2,4-Dimethylpentane	0.86		2.06		2.28		2.19		1.46		0.67		0.60	
Benzene	2.50		8.47		10.03		8.28		5.12		2.70		2.56	
Cyclohexane	0.79		1.99		2.56		2.17		1.39		1.12		1.13	
2-Methylhexane	1.59		3.39		3.81		3.39		3.06		1.30		1.29	
2,3-Dimethylpentane	1.36		3.69		4.14		3.74		2.48		1.10		1.09	
3-Methylhexane	0.69		2.80		3.67		3.29		1.93		0.81		0.84	
1-Heptene	0.27		0.69		0.65		ND		ND		ND		ND	
2,2,4-Trimethylpentane	1.49		5.28		5.69		5.73		3.46		1.19		1.14	
n-Heptane	0.80		2.38		3.16		2.75		1.74		0.79		0.77	
Methylcyclohexane	0.80		1.96		2.68		2.35		1.24		0.85		0.85	
2,2,3-Trimethylpentane	0.19	U	0.87		0.96		1.11		0.74		ND		ND	
2,3,4-Trimethylpentane	0.55		1.88		2.07		1.82		1.22		0.49		0.48	
Toluene	4.26		15.87		21.59		17.43		9.89		8.60		8.41	
2-Methylheptane	0.27		0.75		0.92		0.88		0.49		0.32		0.28	
3-Methylheptane	0.39		0.90		1.06		0.97		0.71		0.34		0.32	
1-Octene	ND		0.26		0.15	U	0.17	U	ND		ND		ND	
n-Octane	0.45		1.02		1.52		1.21		0.88		0.45		0.42	
Ethylbenzene	0.63		1.95		2.91		2.16		1.53		0.71		0.65	
m-Xylene/p-Xylene	2.12		7.31		9.08		8.08		4.88		2.15		2.05	
Styrene	0.44		0.75		2.25		0.78		1.00		0.73		0.60	
o-Xylene	0.76		2.60		3.38		2.93		1.82		0.80		0.71	
1-Nonene	ND		0.32	U	0.27	U	0.23	U	ND		ND		ND	
n-Nonane	0.36		0.71		1.40		1.00		0.59		0.40		0.37	
Isopropylbenzene	0.28	U	0.22	U	0.30		0.35		0.34		0.30		0.31	
a-Pinene	ND		ND		ND		ND		ND		3.60		3.42	
n-Propylbenzene	0.24	U	0.62		0.75		0.70		0.47		0.25	U	0.22	U
m-Ethyltoluene	0.65		1.63		2.40		1.90		1.38		0.72		0.64	
p-Ethyltoluene	0.35		0.80		1.28		1.04		0.74		0.43		0.39	
1,3,5-Trimethylbenzene	0.26		0.68		1.32		1.00		0.47		0.18	U	0.20	
o-Ethyltoluene	0.36		0.79		1.27		0.91		0.65		0.28	U	0.33	
b-Pinene	ND		ND		0.36		ND		ND		ND		ND	
1,2,4-Trimethylbenzene	0.82		2.03		2.84		2.34		1.54		0.72		0.57	
1-Decene	ND		ND		ND		ND		ND		ND		ND	
n-Decane	0.65		0.90		2.13		1.43		0.67		1.94		1.75	
1,2,3-Trimethylbenzene	0.37		0.81		2.16		0.94		0.97		0.29		0.33	
m-Diethylbenzene	0.87		0.53		3.18		1.15		2.08		1.31		0.76	
p-Diethylbenzene	0.41		0.42		1.46		0.45		0.92		0.48		0.34	
1-Undecene	ND		ND		ND		ND		ND		ND		ND	
n-Undecane	1.96		2.19		5.55		3.07		2.43		6.08		5.94	
1-Dodecene	ND		ND		ND		ND		ND		ND		ND	
n-Dodecane	1.16		0.57	U	3.55		1.93		0.87		4.76		4.72	
1-Tridecene	ND		ND		0.17	U	ND		ND		ND		ND	
n-Tridecane	0.26	U	0.16	U	1.12		1.08		0.60	U	0.78		0.87	
TNMOC (speciated)	83.70		236.85		322.59		269.89		167.60		103.21		98.54	
TNMOC (w/ unknowns)	132.56		306.50		479.13		346.62		278.06		149.43		145.87	

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Sample No.:	SLCU 26089 D2	SLCU 26089 R2	SLCU 26609	SLCU 26212	SLCU 26386	SLCU 26607	SLCU 26770
Sampling Date:	2/25/2002	2/25/2002	3/3/2002	3/9/2002	3/15/2002	3/21/2002	4/2/2002
Analysis Date:	3/7/2002	3/7/2002		3/14/2002	3/25/2002		4/18/2002
Filename:	L2CF013	L2CG006	VOID	L2CM021	L2CY009	VOID	L2DR008
Ethylene	3.81	3.81		7.77	7.29		3.46
Acetylene	3.78	3.73		8.07	5.42		4.19
Ethane	7.76	7.77		13.41	11.25		5.42
Propylene	1.65	1.76		2.80	3.16		3.54
Propane	7.37	7.50		9.09	7.55		4.82
Propyne	ND	ND		ND	ND		ND
Isobutane	17.80	17.65		4.89	3.74		3.93
Isobutene/1-Butene	1.67	1.71		2.54	2.56		4.41
1,3-Butadiene	0.29	0.27		0.49	0.32		0.55
n-Butane	11.14	11.18		10.60	6.78		8.86
trans-2-Butene	0.47	0.47		0.57	0.47		0.81
cis-2-Butene	0.50	0.52		0.65	0.55		0.87
3-Methyl-1-butene	ND	ND		0.15	ND		0.19
Isopentane	21.80	21.53		7.91	4.91		35.88
1-Pentene	2.07	2.30		0.53	0.65		0.61
2-Methyl-1-butene	0.91	1.16		0.52	0.42		0.84
n-Pentane	26.80	25.69		4.91	4.36		5.78
Isoprene	0.49	0.43		0.54	0.41		0.54
trans-2-Pentene	0.57	0.59		0.74	0.49		0.88
cis-2-Pentene	0.49	0.48		0.57	0.45		0.63
2-Methyl-2-butene	0.48	0.48		0.67	0.91		2.02
2,2-Dimethylbutane	0.77	0.81		0.83	0.72		0.89
Cyclopentene	ND	0.50		ND	ND		0.17
4-Methyl-1-pentene	ND	ND		ND	ND		ND
Cyclopentane	1.29	1.16		0.65	0.52		1.25
2,3-Dimethylbutane	0.89	0.94		1.38	0.97		1.46
2-Methylpentane	2.15	2.17		3.42	3.58		8.29
3-Methylpentane	1.56	1.52		2.32	1.63		2.88
2-Methyl-1-pentene	ND	ND		ND	ND		0.19
1-Hexene	0.63	0.65		0.88	1.02		0.82
2-Ethyl-1-butene	ND	ND		ND	ND		ND
n-Hexane	3.31	3.18		3.27	2.35		3.65
trans-2-Hexene	ND	ND		ND	ND		ND
cis-2-Hexene	ND	ND		ND	ND		ND
Methylcyclopentane	1.26	1.31		1.75	2.06		1.96
2,4-Dimethylpentane	0.73	0.77		1.32	1.11		1.83
Benzene	2.61	2.74		4.81	3.68		4.79
Cyclohexane	1.69	1.80		1.24	0.89		1.23
2-Methylhexane	1.06	1.71		2.11	2.83		4.05
2,3-Dimethylpentane	1.40	1.44		2.38	1.81		2.73
3-Methylhexane	1.24	1.42		1.69	1.58		2.04
1-Heptene	0.20	ND		0.28	0.50		0.44
2,2,4-Trimethylpentane	1.29	1.58		3.23	2.44		3.06
n-Heptane	1.17	1.23		1.40	1.03		1.42
Methylcyclohexane	0.95	0.92		1.12	0.97		1.54
2,2,3-Trimethylpentane	ND	ND		0.49	0.42		0.80
2,3,4-Trimethylpentane	0.56	0.62		1.16	0.92		1.23
Toluene	25.47	27.05		9.29	6.84		10.86
2-Methylheptane	0.36	0.38		0.42	0.42		0.62
3-Methylheptane	0.39	0.47		0.60	0.43		0.70
1-Octene	ND	ND		0.17	0.40		ND
n-Octane	0.60	0.67		0.67	0.66		0.93
Ethylbenzene	1.20	1.36		1.24	1.06		1.29
m-Xylene/p-Xylene	2.76	2.87		4.37	2.90		4.72
Styrene	0.55	0.56		0.26	2.89		0.15
o-Xylene	1.25	1.23		1.63	1.16		1.69
1-Nonene	ND	ND		ND	0.18		ND
n-Nonane	1.04	1.06		0.40	0.44		0.79
Isopropylbenzene	0.26	0.26		0.19	0.86		0.29
α-Pinene	1.78	1.89		ND	ND		ND
n-Propylbenzene	0.68	0.70		0.53	0.54		0.42
m-Ethyltoluene	1.12	1.19		1.50	1.01		0.95
p-Ethyltoluene	0.71	0.74		0.76	0.55		0.60
1,3,5-Trimethylbenzene	0.64	0.59		0.44	0.38		0.53
o-Ethyltoluene	0.65	0.61		0.56	0.45		0.48
β-Pinene	ND	ND		ND	ND		ND
1,2,4-Trimethylbenzene	1.41	1.50		1.53	1.15		1.27
1-Decene	ND	ND		ND	ND		ND
n-Decane	4.27	4.28		0.67	0.46		0.94
1,2,3-Trimethylbenzene	0.63	0.69		0.90	0.83		0.69
m-Diethylbenzene	0.42	0.90		1.37	1.81		ND
p-Diethylbenzene	0.48	0.46		0.79	0.29		ND
1-Undecene	ND	ND		0.49	0.59		0.23
n-Undecane	10.98	10.67		2.13	1.24		0.59
1-Dodecene	ND	ND		ND	ND		ND
n-Dodecane	10.67	11.37		0.67	0.72		0.81
1-Tridecene	ND	ND		ND	ND		0.19
n-Tridecane	2.56	3.01		0.37	0.41		0.45
TNMOC (speciated)	205.43	210.05		145.07	121.36		165.13
TNMOC (w/ unknowns)	275.09	283.13		237.32	259.91		312.45

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Sample No.:	SLCU 26772	SLCU 26945	SLCU 27058	SLCU 27246	SLCU 27381	SLCU 27491	SLCU 27549 D1
Sampling Date:	4/8/2002	4/14/2002	4/20/2002	4/26/2002	5/2/2002	5/8/2002	5/14/2002
Analysis Date:	4/26/2002	4/27/2002	5/2/2002	5/3/2002	5/13/2002		
Filename:	L2DZ005	L2DZ015	L2EA023	L2EC011	L2EM013	VOID	VOID
Ethylene	8.17	2.32	3.30	4.45	7.10		
Acetylene	6.75	1.33	3.06	3.63	5.98		
Ethane	5.81	3.09	8.30	3.95	5.69		
Propylene	3.65	1.22	1.59	2.08	3.11		
Propane	8.26	3.29	6.74	4.89	7.07		
Propyne	ND	ND	ND	ND	ND		
Isobutane	15.31	2.39	2.91	2.97	4.86		
Isobutene/1-Butene	3.02	1.55	1.64	1.82	2.77		
1,3-Butadiene	0.68	0.13	U 0.23	U 0.31	0.56		
n-Butane	16.58	5.38	5.24	6.50	10.83		
trans-2-Butene	0.76	0.40	0.37	0.47	0.74		
cis-2-Butene	1.03	0.44	0.49	0.56	0.90		
3-Methyl-1-butene	0.26	ND	ND	ND	0.23	U	
Isopentane	92.55	5.09	4.87	7.27	12.96		
1-Pentene	1.06	0.40	0.36	0.50	0.87		
2-Methyl-1-butene	0.97	0.35	0.36	0.57	0.97		
n-Pentane	16.76	2.94	2.96	4.34	8.12		
Isoprene	0.84	0.43	0.42	0.54	0.71		
trans-2-Pentene	1.28	0.65	0.47	0.69	1.08		
cis-2-Pentene	0.83	0.44	0.34	0.48	0.73		
2-Methyl-2-butene	1.37	0.59	0.35	0.55	1.13		
2,2-Dimethylbutane	1.13	0.64	0.53	0.65	0.85		
Cyclopentene	0.68	ND	0.19	U ND	ND		
4-Methyl-1-pentene	ND	ND	ND	ND	ND		
Cyclopentane	1.44	0.52	0.49	0.69	1.17		
2,3-Dimethylbutane	2.15	0.86	0.87	1.17	1.91		
2-Methylpentane	6.33	2.97	2.20	2.76	4.88		
3-Methylpentane	4.23	1.32	1.49	2.08	3.53		
2-Methyl-1-pentene	0.25	U ND	ND	ND	ND		
1-Hexene	0.84	0.58	0.56	0.61	0.74		
2-Ethyl-1-butene	ND	ND	ND	ND	ND		
n-Hexane	6.82	1.41	1.98	3.03	4.59		
trans-2-Hexene	ND	ND	ND	ND	ND		
cis-2-Hexene	0.18	U ND	ND	ND	0.18	U	
Methylcyclopentane	3.18	0.84	1.02	1.43	2.50		
2,4-Dimethylpentane	1.80	0.75	0.67	0.97	1.56		
Benzene	6.56	2.01	2.81	3.66	5.37		
Cyclohexane	2.80	0.67	0.78	0.93	1.41		
2-Methylhexane	2.86	1.55	1.30	1.73	2.55		
2,3-Dimethylpentane	3.15	1.19	1.39	1.79	2.96		
3-Methylhexane	3.25	0.79	ND	1.97	2.98		
1-Heptene	ND	ND	0.19	U ND	ND		
2,2,4-Trimethylpentane	5.05	1.62	1.26	2.23	4.59		
n-Heptane	2.52	0.69	0.92	1.27	2.06		
Methylcyclohexane	1.93	0.73	0.94	0.88	1.53		
2,2,3-Trimethylpentane	1.03	ND	ND	0.35	0.88		
2,3,4-Trimethylpentane	1.85	0.49	0.57	0.92	1.71		
Toluene	32.49	4.55	5.38	9.83	16.07		
2-Methylheptane	0.95	0.32	0.38	0.58	0.81		
3-Methylheptane	1.06	0.37	0.48	0.74	0.88		
1-Octene	0.20	U ND	ND	ND	ND		
n-Octane	1.31	0.49	0.65	1.07	1.07		
Ethylbenzene	2.48	0.66	0.76	1.30	2.04		
m-Xylene/p-Xylene	9.10	2.03	2.55	4.84	7.23		
Styrene	0.61	0.64	0.61	0.94	0.49		
o-Xylene	3.23	0.75	0.90	1.81	2.56		
1-Nonene	0.24	U ND	ND	ND	ND		
n-Nonane	0.83	0.19	0.49	0.90	0.80		
Isopropylbenzene	0.37	0.36	0.32	0.30	U 0.33		
α-Pinene	0.99	ND	ND	ND	ND		
n-Propylbenzene	0.79	0.41	0.40	0.72	0.68		
m-Ethyltoluene	2.36	0.96	1.19	2.32	1.85		
p-Ethyltoluene	1.08	0.52	0.47	1.12	0.95		
1,3,5-Trimethylbenzene	1.14	0.28	0.29	1.11	0.85		
o-Ethyltoluene	1.07	0.39	0.46	1.01	0.88		
β-Pinene	ND	ND	ND	0.23	U ND		
1,2,4-Trimethylbenzene	2.62	0.95	1.04	3.56	2.24		
1-Decene	ND	ND	ND	ND	ND		
n-Decane	3.30	0.71	0.74	1.19	1.09		
1,2,3-Trimethylbenzene	0.91	0.76	0.95	1.33	0.99		
m-Diethylbenzene	0.74	1.31	1.36	0.82	0.47		
p-Diethylbenzene	0.58	0.43	0.57	0.44	0.57		
1-Undecene	0.47	0.40	0.49	0.43	0.45		
n-Undecane	7.11	2.37	2.71	3.10	3.11		
1-Dodecene	0.30	U 0.19	U ND	ND	ND		
n-Dodecane	3.61	0.78	1.15	0.83	1.15		
1-Tridecene	ND	ND	ND	ND	ND		
n-Tridecane	0.53	U 0.26	U 0.75	U 0.59	U 0.50	U	
TNMOC (speciated)	326.39	73.11	89.24	116.76	172.40		
TNMOC (w/ unknowns)	436.47	160.09	181.79	208.85	273.26		

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Sample No.:	SLCU 27551 D2	SLCU 27861	SLCU 27842	SLCU 27820	SLCU 27995	SLCU 28202	SLCU 28306
Sampling Date:	5/14/2002	5/20/2002	5/26/2002	6/1/2002	6/7/2002	6/13/2002	6/19/2002
Analysis Date:	6/12/2002	6/8/2002	6/8/2002	6/5/2002	7/2/2002		7/19/2002
Filename:	VOID	L2FK025	L2FG021	L2FE005	L2GB007	VOID	N2GR012
Ethylene		2.19	1.44	2.26	3.54		2.37
Acetylene		1.62	1.02	1.53	3.57		1.72
Ethane		2.91	4.94	2.36	4.21		2.90
Propylene		1.45	0.75	1.00	2.61		1.19
Propane		3.46	4.29	2.93	6.59		3.52
Propyne		ND	ND	ND	ND		ND
Isobutane		10.54	1.10	1.52	3.58		1.09
Isobutene/1-Butene		1.68	0.89	1.41	2.24		1.76
1,3-Butadiene		0.23	U	0.56	U	ND	ND
n-Butane		6.15	2.11	4.57	9.34		2.85
trans-2-Butene		0.54	0.26	0.38	0.60		0.30
cis-2-Butene		0.54	0.37	0.48	0.78		0.32
3-Methyl-1-butene		0.15	U	ND	0.24	U	ND
Isopentane		12.24	2.96	6.09	14.73		4.52
1-Pentene		0.46	0.31	0.45	0.80		0.35
2-Methyl-1-butene		0.42	0.16	U	1.03		0.36
n-Pentane		4.52	1.75	3.33	8.52		2.30
Isoprene		1.69	1.12	0.72	1.14		1.54
trans-2-Pentene		0.49	0.33	0.46	1.22		0.34
cis-2-Pentene		0.45	0.37	0.40	0.80		0.34
2-Methyl-2-butene		0.46	0.14	U	1.17		0.37
2,2-Dimethylbutane		0.70	0.57	0.66	0.96		0.39
Cyclopentene		ND	ND	ND	0.31		0.18
4-Methyl-1-pentene		ND	ND	ND	ND		ND
Cyclopentane		0.69	0.28	0.54	1.62		1.40
2,3-Dimethylbutane		1.00	0.70	0.98	2.15		0.82
2-Methylpentane		2.14	0.80	1.95	5.79		1.43
3-Methylpentane		1.68	0.87	1.59	3.72		1.20
2-Methyl-1-pentene		ND	ND	ND	0.19	U	ND
1-Hexene		0.58	0.51	0.58	0.76		1.34
2-Ethyl-1-butene		ND	ND	ND	ND		ND
n-Hexane		1.83	0.80	1.69	5.85		1.43
trans-2-Hexene		ND	ND	ND	ND		ND
cis-2-Hexene		ND	ND	ND	ND		1.82
Methylcyclopentane		1.10	0.46	0.96	2.61		0.80
2,4-Dimethylpentane		0.74	0.41	0.80	1.82		0.73
Benzene		2.23	1.22	2.05	5.14		2.62
Cyclohexane		1.38	0.56	0.71	1.48		0.82
2-Methylhexane		1.04	0.74	1.19	2.65		2.17
2,3-Dimethylpentane		1.25	0.74	1.38	3.43		1.81
3-Methylhexane		1.79	1.36	1.13	3.76		1.24
1-Heptene		ND	ND	ND	ND		ND
2,2,4-Trimethylpentane		1.81	0.67	1.70	5.13		2.03
n-Heptane		1.40	0.54	0.85	3.03		1.51
Methylcyclohexane		0.63	0.43	0.66	2.23		1.29
2,2,3-Trimethylpentane		0.29	ND	0.37	1.06		0.84
2,3,4-Trimethylpentane		0.76	0.30	0.74	1.91		0.75
Toluene		15.35	4.61	6.08	19.38		13.18
2-Methylheptane		0.36	0.24	U	1.70		0.81
3-Methylheptane		0.49	0.32	0.57	1.73		0.95
1-Octene		ND	0.38	ND	ND		ND
n-Octane		0.72	0.53	0.94	3.66		1.70
Ethylbenzene		2.65	1.96	0.91	2.00		0.93
m-Xylene/p-Xylene		5.46	7.37	2.20	7.82		3.36
Styrene		3.90	0.81	ND	1.14		0.40
o-Xylene		1.77	3.14	0.86	2.75		3.57
1-Nonene		ND	ND	ND	0.33	U	0.27
n-Nonane		0.58	0.33	0.47	2.54		1.44
Isopropylbenzene		0.30	0.72	0.37	0.25	U	0.45
à-Pinene		0.69	0.22	U	ND		1.09
n-Propylbenzene		0.50	0.24	U	0.40		0.66
m-Ethyltoluene		1.48	0.65	0.89	2.00		1.08
p-Ethyltoluene		0.70	0.34	U	1.17		1.38
1,3,5-Trimethylbenzene		0.73	0.39	0.23	1.40		0.44
o-Ethyltoluene		0.64	ND	0.36	1.51		1.47
b-Pinene		ND	ND	ND	ND		ND
1,2,4-Trimethylbenzene		1.48	1.36	0.76	2.85		3.16
1-Decene		ND	ND	0.18	U	ND	ND
n-Decane		16.54	0.65	0.81	3.67		1.96
1,2,3-Trimethylbenzene		0.69	0.23	0.61	0.95		1.04
m-Diethylbenzene		0.92	ND	0.30	U	0.56	0.57
p-Diethylbenzene		0.49	0.23	0.42	0.47		2.15
1-Undecene		0.22	U	ND	0.35		0.48
n-Undecane		61.88	0.48	2.00	5.22		3.87
1-Dodecene		ND	ND	ND	ND		ND
n-Dodecane		23.43	0.37	U	0.66	U	3.24
1-Tridecene		ND	ND	ND	ND		ND
n-Tridecane		0.73	U	ND	1.36		ND
TNMOC (speciated)		217.90	62.37	72.75	192.70		101.32
TNMOC (w/ unknowns)		273.57	446.41	132.07	462.09		159.36

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Sample No.:	SLCU 28362 D1	SLCU 28362 R1	SLCU 28364 D2	SLCU 28364 R2	SLCU 28619	SLCU 28633	SLCU 28946
Sampling Date:	6/25/2002	6/25/2002	6/25/2002	6/25/2002	7/4/2002	7/7/2002	7/13/2002
Analysis Date:	7/21/2002	8/13/2002	8/1/2002	8/2/2002	7/31/2002	8/2/2002	
Filename:	N2GT015	L2HM007	L2HA013	L2HB005	L2G%007	L2HA016	VOID
Ethylene	4.05	5.00	4.27	4.22	4.53	3.80	
Acetylene	2.83	2.70	2.46	2.42	2.74	2.60	
Ethane	4.70	5.66	5.11	5.02	3.63	3.83	
Propylene	1.96	2.59	2.12	1.83	2.32	2.01	
Propane	6.76	7.57	7.01	6.58	5.34	8.38	
Propyne	ND	ND	ND	ND	ND	ND	
Isobutane	3.38	3.73	4.32	4.22	3.12	2.83	
Isobutene/1-Butene	2.13	2.51	2.05	2.03	2.60	2.14	
1,3-Butadiene	0.33	0.29	0.27	0.29	0.34	0.22	U
n-Butane	8.81	8.85	8.43	8.07	6.41	7.25	
trans-2-Butene	0.59	0.86	0.74	0.66	0.65	0.75	
cis-2-Butene	0.59	1.08	1.02	0.91	0.80	0.94	
3-Methyl-1-butene	0.25	ND	ND	ND	ND	ND	
Isopentane	13.30	NR	18.12	17.85	15.54	10.82	
1-Pentene	1.25	1.14	1.13	0.75	0.29	0.62	
2-Methyl-1-butene	1.06	1.09	0.91	1.13	0.93	0.88	
n-Pentane	8.37	9.34	17.03	16.19	6.92	7.17	
Isoprene	3.08	3.30	3.26	3.15	2.21	2.46	
trans-2-Pentene	0.78	1.17	1.16	1.10	0.92	1.13	
cis-2-Pentene	0.61	1.00	0.94	0.94	0.76	0.89	
2-Methyl-2-butene	0.73	0.76	0.77	0.67	0.74	0.81	
2,2-Dimethylbutane	0.76	1.48	1.33	1.29	0.99	1.30	
Cyclopentene	ND	ND	ND	ND	0.41	ND	
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	
Cyclopentane	0.96	1.07	1.14	1.13	0.91	1.05	
2,3-Dimethylbutane	1.71	2.44	2.24	2.13	1.81	2.21	
2-Methylpentane	4.16	5.06	4.33	4.43	3.91	4.44	
3-Methylpentane	2.89	3.17	3.14	3.07	2.45	3.10	
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	
1-Hexene	1.63	1.49	1.24	1.22	1.07	1.31	
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	
n-Hexane	3.54	4.18	4.46	4.32	3.70	4.50	
trans-2-Hexene	ND	ND	ND	ND	0.15	ND	
cis-2-Hexene	ND	ND	ND	ND	0.10	ND	
Methylcyclopentane	1.80	2.32	2.20	2.13	1.74	2.29	
2,4-Dimethylpentane	1.33	1.67	1.63	1.66	1.39	1.67	
Benzene	4.15	3.97	3.61	3.68	3.94	3.64	
Cyclohexane	1.16	1.80	2.45	2.41	1.47	1.66	
2-Methylhexane	2.74	3.00	2.50	2.54	2.15	2.37	
2,3-Dimethylpentane	2.66	2.96	2.85	2.86	2.48	2.77	
3-Methylhexane	2.09	2.27	2.21	2.23	1.65	2.00	
1-Heptene	ND	0.59	ND	0.39	ND	0.34	
2,2,4-Trimethylpentane	3.70	3.37	3.39	3.24	3.25	3.12	
n-Heptane	1.89	1.81	1.84	1.87	1.41	1.65	
Methylcyclohexane	1.10	1.45	1.43	1.42	1.03	1.45	
2,2,3-Trimethylpentane	0.67	0.61	0.49	0.48	0.56	0.43	
2,3,4-Trimethylpentane	1.21	1.52	1.31	1.30	1.27	1.36	
Toluene	14.06	11.51	21.51	23.20	9.81	9.15	
2-Methylheptane	0.74	0.71	0.92	0.92	0.60	0.74	
3-Methylheptane	0.96	0.84	0.99	0.92	0.60	0.80	
1-Octene	ND	0.54	0.21	0.23	0.19	0.25	
n-Octane	1.17	1.17	1.51	1.57	0.78	0.81	
Ethylbenzene	1.78	1.64	1.42	1.72	1.12	1.19	
m-Xylene/p-Xylene	6.90	4.43	4.78	5.09	3.20	3.94	
Styrene	0.50	1.69	0.25	1.20	1.04	1.08	
o-Xylene	4.77	1.94	1.98	2.04	1.37	1.50	
1-Nonene	0.58	0.42	0.24	ND	0.17	ND	
n-Nonane	0.91	0.84	0.85	0.78	0.58	0.51	
Isopropylbenzene	0.44	0.58	0.47	0.41	0.30	0.41	
α-Pinene	0.93	0.90	ND	ND	ND	0.88	
n-Propylbenzene	0.53	0.59	0.34	0.42	0.64	0.34	
m-Ethyltoluene	1.49	1.21	1.00	1.06	1.19	1.10	
p-Ethyltoluene	0.94	0.97	0.71	0.81	1.16	1.02	
1,3,5-Trimethylbenzene	0.61	0.99	1.01	0.65	0.47	0.72	
o-Ethyltoluene	1.08	0.83	0.71	0.84	0.69	0.78	
β-Pinene	ND	0.92	0.60	ND	ND	ND	
1,2,4-Trimethylbenzene	3.74	1.88	1.63	1.66	1.61	1.64	
1-Decene	ND	ND	ND	ND	ND	ND	
n-Decane	1.53	1.56	1.93	1.84	1.24	1.18	
1,2,3-Trimethylbenzene	0.89	1.25	0.74	0.71	1.67	1.15	
m-Diethylbenzene	1.00	1.52	1.57	1.24	3.63	3.11	
p-Diethylbenzene	0.80	0.60	0.42	0.42	1.08	0.65	
1-Undecene	ND	0.47	1.00	0.95	0.89	0.59	
n-Undecane	3.61	3.24	6.04	5.59	3.93	3.06	
1-Dodecene	ND	0.40	0.24	0.28	0.18	0.26	U
n-Dodecane	0.56	0.90	3.61	3.58	0.96	0.85	
1-Tridecene	ND	0.28	ND	ND	ND	ND	
n-Tridecane	ND	ND	0.68	0.77	0.24	ND	
TNMOC (speciated)	156.18	149.63	182.27	180.65	137.93	140.00	
TNMOC (w/ unknowns)	197.58	223.97	221.05	219.17	299.04	210.91	

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(Reported in ppbC)

Sample No.:	SLCU 29049	SLCU 29149	SLCU 29151	SLCU 29283	SLCU 29320	SLCU 29525 D1	SLCU 29525 R1
Sampling Date:	7/25/2002	7/31/2002	8/6/2002	8/12/2002	8/18/2002	8/24/2002	8/24/2002
Analysis Date:	8/14/2002	8/16/2002	9/1/2002	9/4/2002	9/12/2002	9/17/2002	9/19/2002
Filename:	L2HM015	L2HO013	L2H%020	L2ID007	L2IK017	L2IQ012	L2IS005
Ethylene	2.99	7.43	3.70	9.94	9.22	7.21	7.16
Acetylene	1.59	4.13	2.01	8.23	7.27	4.24	7.47
Ethane	2.82	4.05	2.47	5.54	7.22	5.19	4.57
Propylene	1.66	4.01	1.95	4.52	4.24	3.57	3.61
Propane	6.44	12.98	7.23	20.04	21.16	10.10	10.60
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	1.99	4.02	2.18	5.60	7.22	4.29	4.30
Isobutene/1-Butene	1.91	4.30	2.09	3.43	3.29	3.36	3.49
1,3-Butadiene	ND	0.42	0.25	U	0.71	0.52	0.62
n-Butane	5.18	9.29	5.97	12.99	16.27	10.83	11.06
trans-2-Butene	0.71	0.93	0.73	1.24	1.16	0.80	1.00
cis-2-Butene	0.90	1.12	0.85	1.39	1.31	1.07	1.10
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	7.72	38.74	28.00	24.99	27.08	15.82	15.97
1-Pentene	ND	0.31	0.21	1.16	0.96	1.03	1.13
2-Methyl-1-butene	0.56	1.66	0.99	2.36	2.57	1.52	1.12
n-Pentane	5.27	8.97	5.21	18.52	18.97	9.31	9.13
Isoprene	0.97	1.66	1.54	3.81	1.76	1.19	1.26
trans-2-Pentene	0.85	1.52	0.88	1.90	1.89	1.28	1.36
cis-2-Pentene	0.80	1.03	0.81	1.25	1.26	0.99	0.98
2-Methyl-2-butene	0.59	1.25	0.99	2.06	1.93	1.98	1.38
2,2-Dimethylbutane	1.23	1.49	0.97	1.52	1.67	1.44	1.42
Cyclopentene	ND	ND	0.27	0.36	0.64	0.34	0.41
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	1.02	1.61	0.67	1.85	1.57	1.15	1.10
2,3-Dimethylbutane	1.83	2.48	1.54	3.23	4.41	2.52	2.51
2-Methylpentane	3.10	7.18	3.82	7.70	9.39	6.75	6.89
3-Methylpentane	2.08	3.85	2.14	5.05	6.17	3.85	3.98
2-Methyl-1-pentene	ND	ND	ND	ND	0.35	ND	0.22
1-Hexene	1.11	1.39	1.02	1.23	0.96	0.95	0.93
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	2.32	4.62	2.59	6.71	7.75	4.63	4.79
trans-2-Hexene	ND	ND	ND	0.32	0.40	ND	ND
cis-2-Hexene	ND	ND	ND	ND	0.30	ND	ND
Methylcyclopentane	1.32	3.26	1.41	3.70	4.21	2.51	2.66
2,4-Dimethylpentane	1.51	1.98	1.22	2.66	4.96	2.28	2.27
Benzene	2.89	4.92	2.66	6.33	8.67	4.70	4.91
Cyclohexane	1.19	1.96	1.01	2.50	3.02	1.66	1.69
2-Methylhexane	1.80	1.44	1.75	3.82	4.90	2.97	3.11
2,3-Dimethylpentane	2.37	3.34	1.92	4.58	9.42	3.79	4.04
3-Methylhexane	1.44	2.33	1.25	3.80	4.83	2.59	2.97
1-Heptene	ND	0.42	0.38	ND	ND	ND	ND
2,2,4-Trimethylpentane	2.56	4.02	2.21	6.48	16.88	6.13	6.18
n-Heptane	1.30	1.79	0.92	2.72	4.00	1.97	1.84
Methylcyclohexane	1.06	1.59	0.88	2.56	3.00	1.94	1.92
2,2,3-Trimethylpentane	0.35	0.85	0.30	1.06	2.99	1.05	1.04
2,3,4-Trimethylpentane	1.14	1.76	0.85	2.45	7.86	2.44	2.37
Toluene	6.97	12.77	5.76	30.64	52.69	16.12	16.29
2-Methylheptane	0.69	0.79	0.39	1.53	1.73	0.73	1.01
3-Methylheptane	0.68	0.91	0.56	1.52	2.02	1.03	1.01
1-Octene	ND	ND	0.26	ND	ND	ND	ND
n-Octane	0.83	1.07	0.56	2.36	2.17	1.24	1.22
Ethylbenzene	1.16	1.65	0.68	2.60	5.15	1.72	1.79
m-Xylene/p-Xylene	2.66	5.26	2.06	9.34	19.66	6.18	6.18
Styrene	0.74	1.15	1.55	0.70	0.53	0.71	0.67
o-Xylene	1.07	2.12	0.99	3.87	7.75	2.41	2.46
1-Nonene	ND	ND	0.26	U	0.86	0.24	U
n-Nonane	0.59	0.78	0.42	1.47	1.49	0.76	0.72
Isopropylbenzene	0.57	0.54	0.34	0.49	0.58	0.43	0.39
α-Pinene	0.58	1.83	0.86	0.93	1.50	ND	ND
n-Propylbenzene	0.40	0.65	0.37	0.86	1.18	0.64	0.62
m-Ethyltoluene	0.85	1.27	1.04	2.67	4.25	1.47	1.46
p-Ethyltoluene	0.68	0.81	0.70	1.42	2.20	0.91	0.85
1,3,5-Trimethylbenzene	0.36	0.63	0.50	1.62	2.41	0.99	0.92
o-Ethyltoluene	ND	0.96	0.55	1.56	2.22	0.93	0.91
β-Pinene	ND	0.39	1.55	0.49	0.67	0.32	ND
1,2,4-Trimethylbenzene	0.98	1.94	1.21	3.19	5.98	2.23	2.12
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.78	1.28	0.53	3.68	2.26	1.03	0.95
1,2,3-Trimethylbenzene	0.42	1.14	1.17	1.34	2.09	0.73	0.84
m-Diethylbenzene	ND	1.87	2.37	1.21	1.98	1.42	1.10
p-Diethylbenzene	ND	0.52	0.76	0.88	0.80	0.42	0.24
1-Undecene	ND	0.71	0.62	0.47	0.64	0.28	U
n-Undecane	0.82	1.73	1.89	18.77	5.15	1.47	1.30
1-Dodecene	ND	0.26	U	0.74	U	0.22	U
n-Dodecane	0.57	U	0.65	U	1.34	0.35	U
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	0.37	U	ND	0.72	U	ND	ND
TNMOC (speciated)	97.32	203.70	126.10	313.31	373.93	185.06	188.17
TNMOC (w/ unknowns)	255.82	316.31	195.92	382.84	465.91	266.76	266.74

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Sample No.:	SLCU 29528 D2	SLCU 29528 R2	SLCU 29657	SLCU 29746	SLCU 29880 D1	SLCU 29880 R1	SLCU 29882 D2
Sampling Date:	8/24/2002	8/24/2002	8/30/2002	9/5/2002	9/11/2002	9/11/2002	9/11/2002
Analysis Date:	9/19/2002	9/26/2002	9/23/2002	9/26/2002	10/11/2002	10/22/2002	10/11/2002
Filename:	L2IS006	L2IY016	L2IW005	L2IY019	L2JJ021	L2JV009	L2JJ022
Ethylene	6.84	6.71	4.72	4.22	9.34	9.15	9.19
Acetylene	4.42	4.30	2.33	1.93	6.09	5.85	6.09
Ethane	5.40	5.29	3.88	2.85	6.70	6.64	6.64
Propylene	3.29	3.20	2.29	2.24	4.14	4.08	4.12
Propane	10.73	10.67	7.47	3.37	9.73	9.80	10.50
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	4.44	4.48	2.45	1.61	5.34	4.75	5.43
Isobutene/1-Butene	2.68	2.92	2.31	2.11	3.33	3.18	3.23
1,3-Butadiene	ND	ND	0.29	0.25	U 0.73	0.64	0.68
n-Butane	9.62	7.01	7.86	4.24	13.10	11.28	13.52
trans-2-Butene	0.78	0.64	0.69	0.64	1.03	0.90	1.06
cis-2-Butene	1.15	1.02	0.95	0.79	1.21	1.16	1.32
3-Methyl-1-butene	ND	ND	ND	ND	ND	0.29	ND
Isopentane	17.13	17.36	10.66	6.60	22.11	20.57	22.09
1-Pentene	1.07	ND	0.34	0.30	ND	0.24	ND
2-Methyl-1-butene	1.04	1.05	0.78	0.47	1.32	1.23	1.25
n-Pentane	10.48	9.61	7.48	4.21	11.78	9.52	11.67
Isoprene	1.35	1.29	1.49	0.94	1.17	1.38	1.02
trans-2-Pentene	1.49	1.35	0.94	0.64	1.59	1.47	1.66
cis-2-Pentene	1.01	0.95	0.81	0.64	1.13	1.04	1.22
2-Methyl-2-butene	1.13	1.14	0.66	0.53	1.73	1.52	1.72
2,2-Dimethylbutane	1.32	1.24	1.03	0.83	1.49	1.39	1.56
Cyclopentene	0.40	0.44	0.42	ND	ND	ND	0.37
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	1.28	1.35	0.78	0.61	1.32	1.38	1.37
2,3-Dimethylbutane	2.64	2.57	1.72	1.27	2.65	3.17	2.97
2-Methylpentane	6.33	5.54	5.14	1.80	7.78	7.20	7.69
3-Methylpentane	3.95	4.38	2.84	2.56	5.02	5.48	5.23
2-Methyl-1-pentene	0.22	U 0.20	U ND	ND	0.23	U ND	ND
1-Hexene	1.12	1.06	0.87	0.67	0.91	1.13	0.91
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	4.69	4.87	3.15	2.01	6.14	6.09	6.05
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	0.22	U ND	ND	ND	ND	ND	0.25
Methylcyclopentane	2.71	2.74	1.84	1.29	3.74	3.54	3.59
2,4-Dimethylpentane	2.40	2.42	1.86	1.33	2.65	2.56	2.76
Benzene	5.41	5.35	3.29	2.32	7.13	6.87	6.53
Cyclohexane	1.97	1.93	1.17	0.88	2.65	2.28	2.38
2-Methylhexane	2.57	2.48	1.78	1.04	2.33	3.37	2.43
2,3-Dimethylpentane	3.99	3.97	2.78	2.62	3.93	4.59	4.08
3-Methylhexane	2.89	4.37	1.58	3.49	0.64	4.16	0.55
1-Heptene	0.68	0.58	0.38	ND	ND	ND	ND
2,2,4-Trimethylpentane	5.85	5.88	3.27	2.50	6.98	6.81	7.11
n-Heptane	2.08	1.94	1.42	0.91	2.66	2.57	2.77
Methylcyclohexane	1.87	1.73	1.77	1.16	1.83	1.76	2.09
2,2,3-Trimethylpentane	1.01	0.84	0.53	0.29	1.02	1.05	1.01
2,3,4-Trimethylpentane	2.55	2.40	1.25	0.92	2.43	2.58	2.49
Toluene	22.23	21.78	9.02	6.56	22.49	22.73	23.08
2-Methylheptane	0.88	0.85	0.67	0.88	0.96	1.23	1.19
3-Methylheptane	1.15	1.06	0.85	0.62	1.12	1.40	1.23
1-Octene	0.50	0.53	ND	ND	0.33	ND	ND
n-Octane	1.29	1.27	1.33	0.69	1.46	1.44	0.36
Ethylbenzene	1.98	2.05	0.96	0.91	2.65	2.77	2.42
m-Xylene/p-Xylene	7.11	6.95	3.40	2.80	9.90	9.88	10.37
Styrene	1.49	1.03	0.82	ND	0.32	0.78	0.34
o-Xylene	2.75	2.76	1.46	1.05	3.61	3.53	3.60
1-Nonene	0.42	0.40	0.24	U ND	0.34	U 0.35	0.34
n-Nonane	0.84	0.86	0.93	0.55	1.12	0.93	1.09
Isopropylbenzene	0.43	0.42	0.46	0.47	0.29	U 0.35	0.42
à-Pinene	ND	ND	0.64	0.56	0.63	0.90	ND
n-Propylbenzene	0.70	0.72	0.50	0.60	0.79	0.73	0.74
m-Ethyltoluene	1.45	1.64	1.23	0.91	2.23	2.19	2.46
p-Ethyltoluene	1.01	0.96	0.85	0.60	1.18	1.18	1.26
1,3,5-Trimethylbenzene	1.06	0.98	0.71	0.48	1.35	1.29	1.43
o-Ethyltoluene	0.99	0.98	0.81	0.55	1.56	1.50	1.64
b-Pinene	0.51	0.44	0.84	ND	ND	ND	ND
1,2,4-Trimethylbenzene	2.41	2.49	1.73	1.23	3.37	3.19	3.68
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	1.28	1.20	1.71	0.75	1.77	ND	1.85
1,2,3-Trimethylbenzene	2.85	0.88	0.98	ND	ND	ND	1.40
m-Diethylbenzene	0.78	ND	0.83	1.04	1.01	0.67	1.07
p-Diethylbenzene	0.41	ND	0.70	0.33	0.80	0.51	0.84
1-Undecene	0.53	0.61	0.56	0.49	0.24	U 0.36	0.71
n-Undecane	2.20	2.77	4.10	0.67	2.12	2.18	2.53
1-Dodecene	0.23	U ND	ND	ND	0.22	U ND	0.26
n-Dodecane	0.52	U 1.48	1.03	0.65	U 0.64	U 0.77	1.01
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	0.23	U 0.37	U ND	ND	ND	ND
TNMOC (speciated)	200.14	192.54	134.97	90.42	227.49	223.53	231.90
TNMOC (w/ unknowns)	458.30	452.73	231.39	179.38	295.05	291.94	305.15

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Sample No.:	SLCU 29882 R2	SLCU 29910	SLCU 30018	SLCU 30061	SLCU 30146	SLCU 30233	SLCU 30276
Sampling Date:	9/11/2002	9/17/2002	9/23/2002	9/29/2002	10/5/2002	10/11/2002	10/17/2002
Analysis Date:	10/22/2002	10/16/2002	10/17/2002	10/18/2002	10/23/2002	10/25/2002	10/30/2002
Filename:	L2JV010	L2JP005	L2JQ009	L2JQ017	L2JV016	L2JX019	L2JS013
Ethylene	9.17	4.69	9.51	1.70	7.34	9.56	15.04
Acetylene	6.13	3.07	6.86	0.78	4.64	6.20	12.21
Ethane	6.53	5.09	7.16	2.32	5.70	6.38	10.92
Propylene	3.97	2.41	4.28	1.05	3.45	4.47	6.06
Propane	9.42	6.15	10.90	2.40	10.10	6.98	13.66
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	4.90	2.41	6.45	1.46	4.61	5.71	12.62
Isobutene/1-Butene	2.83	2.24	3.45	1.25	2.68	3.19	4.01
1,3-Butadiene	0.72	0.36	0.85	ND	0.56	0.70	0.90
n-Butane	11.67	5.13	14.02	3.42	9.96	11.96	21.03
trans-2-Butene	0.85	0.54	0.95	0.46	0.77	0.85	1.18
cis-2-Butene	1.16	0.70	1.13	0.71	0.90	0.99	1.54
3-Methyl-1-butene	0.33	ND	0.31	ND	0.24	U	0.34
Isopentane	20.63	8.96	20.39	8.68	13.39	16.09	27.59
1-Pentene	ND	0.20	U	0.33	ND	0.17	U
2-Methyl-1-butene	1.32	0.66	1.18	0.56	0.90	0.90	1.23
n-Pentane	10.44	5.24	10.10	4.82	7.45	7.97	13.50
Isoprene	1.31	0.81	1.95	0.67	0.73	1.22	1.58
trans-2-Pentene	1.59	0.71	1.30	0.82	0.98	1.34	1.69
cis-2-Pentene	1.05	0.57	0.92	0.63	0.81	0.85	1.29
2-Methyl-2-butene	1.55	0.48	1.29	0.79	1.10	1.11	1.59
2,2-Dimethylbutane	1.38	0.81	1.32	0.99	1.05	1.21	2.31
Cyclopentene	ND	ND	ND	ND	ND	ND	0.43
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	1.48	1.08	1.35	0.87	1.07	2.27	1.72
2,3-Dimethylbutane	2.89	1.43	2.70	1.56	1.95	2.30	3.85
2-Methylpentane	7.15	2.61	6.54	3.56	4.27	5.17	8.06
3-Methylpentane	5.09	3.37	6.40	2.82	3.19	4.52	6.10
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	ND	0.89	0.93	0.72	0.65	0.81	1.27
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	5.51	2.59	5.57	3.13	3.72	4.51	7.26
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	3.62	1.60	3.25	1.91	2.39	2.72	4.24
2,4-Dimethylpentane	2.56	1.22	2.35	1.19	1.62	1.86	3.11
Benzene	6.43	2.92	6.11	2.41	4.54	5.01	7.35
Cyclohexane	2.26	1.69	2.48	1.59	1.32	1.60	3.79
2-Methylhexane	3.29	1.95	3.61	2.51	1.39	1.57	12.16
2,3-Dimethylpentane	4.53	2.24	4.21	1.96	2.89	2.71	8.83
3-Methylhexane	4.07	1.80	1.04	0.27	2.71	ND	ND
1-Heptene	ND	ND	ND	ND	ND	0.54	1.49
2,2,4-Trimethylpentane	7.21	3.35	6.25	2.40	4.13	4.10	6.85
n-Heptane	2.54	1.23	2.55	1.30	1.65	1.88	6.95
Methylcyclohexane	1.86	0.88	1.81	1.00	0.95	1.61	3.64
2,2,3-Trimethylpentane	1.14	0.30	0.86	0.33	0.76	0.69	1.28
2,3,4-Trimethylpentane	2.57	1.08	2.17	1.13	1.62	1.81	3.03
Toluene	21.23	8.66	18.60	8.39	12.85	14.21	58.58
2-Methylheptane	1.13	1.10	1.32	0.87	0.86	1.07	1.69
3-Methylheptane	1.21	0.77	1.52	1.00	1.10	0.81	2.04
1-Octene	ND	0.46	ND	ND	ND	ND	ND
n-Octane	1.37	1.04	1.42	0.94	0.97	1.07	3.10
Ethylbenzene	2.34	1.21	2.40	0.94	1.72	1.77	3.40
m-Xylene/p-Xylene	8.70	4.47	9.23	3.14	5.89	6.70	12.04
Styrene	0.67	1.17	0.53	0.27	0.52	0.71	1.32
o-Xylene	3.63	1.59	3.68	1.29	2.32	2.43	5.14
1-Nonene	ND	0.30	U	0.36	ND	0.43	ND
n-Nonane	0.93	0.91	1.11	0.53	0.65	0.82	2.72
Isopropylbenzene	0.37	0.40	0.46	0.85	0.38	0.50	1.24
α-Pinene	0.97	0.55	0.63	ND	0.68	ND	0.85
n-Propylbenzene	0.72	0.70	0.99	0.54	0.61	0.87	1.47
m-Ethyltoluene	2.15	1.53	2.68	1.36	1.90	2.01	3.49
p-Ethyltoluene	1.29	0.78	1.32	0.66	1.07	1.19	2.45
1,3,5-Trimethylbenzene	1.18	0.57	1.41	0.58	0.88	1.08	3.19
o-Ethyltoluene	1.42	0.67	1.58	ND	1.13	0.88	2.48
β-Pinene	ND	ND	ND	ND	0.95	ND	ND
1,2,4-Trimethylbenzene	3.20	1.84	3.69	0.29	2.55	2.71	5.09
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	ND	2.89	0.74	1.59	0.24	1.55	4.95
1,2,3-Trimethylbenzene	ND	0.94	1.40	ND	1.25	1.36	1.66
m-Diethylbenzene	0.56	1.05	1.32	0.31	0.82	1.53	0.82
p-Diethylbenzene	0.43	0.65	1.04	0.56	1.06	0.74	0.95
1-Undecene	0.30	U	0.58	0.64	0.67	0.80	0.20
n-Undecane	2.17	3.87	2.96	3.13	3.59	3.40	3.40
1-Dodecene	ND	0.43	U	ND	ND	ND	ND
n-Dodecane	0.87	1.58	0.83	1.82	1.04	1.13	0.98
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	ND	ND	ND	ND
TNMOC (speciated)	217.95	124.16	226.65	93.99	163.83	183.48	365.22
TNMOC (w/ unknowns)	290.84	210.09	303.97	155.08	247.30	272.60	454.28

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Sample No.:	SLCU 30313	SLCU 30359 D1	SLCU 30359 R1	SLCU 30361 D2	SLCU 30361 R2	SLCU 30448	SLCU 30595
Sampling Date:	10/23/2002	10/23/2002	10/23/2002	10/23/2002	10/23/2002	10/29/2002	11/4/2002
Analysis Date:	11/23/2002	11/23/2002	11/27/2002	11/23/2002	11/27/2002	11/26/2002	
Filename:	VOID	L2KV020	L2KZ016	L2KV021	L2KZ017	L2KZ010	VOID
Ethylene		14.94	15.58	15.34	15.82	12.64	
Acetylene		12.57	12.82	12.66	12.87	11.01	
Ethane		9.88	10.80	10.60	11.05	16.39	
Propylene		4.71	5.40	5.03	5.03	4.10	
Propane		9.86	11.44	10.28	10.56	14.48	
Propyne		ND	ND	ND	ND	ND	
Isobutane		6.75	7.84	6.89	7.40	6.23	
Isobutene/1-Butene		3.04	3.72	3.58	3.66	2.54	
1,3-Butadiene		1.02	1.08	0.86	0.95	0.58	
n-Butane		13.94	15.21	14.00	14.41	10.30	
trans-2-Butene		0.64	0.97	0.67	0.88	0.65	
cis-2-Butene		0.82	1.75	0.78	1.32	0.66	
3-Methyl-1-butene		0.29	ND	0.31	0.35	0.22	U
Isopentane		16.95	18.71	18.40	17.95	11.62	
1-Pentene		ND	ND	ND	ND	0.27	
2-Methyl-1-butene		1.07	1.01	0.96	1.16	0.91	
n-Pentane		8.05	8.72	7.83	8.46	6.64	
Isoprene		0.95	0.88	0.69	0.77	0.52	
trans-2-Pentene		1.02	1.20	0.80	1.08	0.94	
cis-2-Pentene		0.65	0.96	0.57	0.94	0.81	
2-Methyl-2-butene		1.28	1.40	1.24	1.42	1.03	
2,2-Dimethylbutane		1.03	1.63	1.18	1.58	1.19	
Cyclopentene		0.22	U	0.36	0.35	0.26	
4-Methyl-1-pentene		ND	ND	ND	ND	ND	
Cyclopentane		1.25	1.62	1.09	1.38	1.23	
2,3-Dimethylbutane		2.29	3.01	3.90	3.05	2.18	
2-Methylpentane		6.44	7.01	6.99	6.83	4.81	
3-Methylpentane		4.42	5.11	4.55	4.98	3.37	
2-Methyl-1-pentene		0.75	0.61	ND	2.61	1.27	
1-Hexene		0.61	1.26	0.53	1.08	1.05	
2-Ethyl-1-butene		ND	ND	ND	ND	ND	
n-Hexane		5.77	6.51	6.26	6.44	4.24	
trans-2-Hexene		ND	ND	ND	ND	ND	
cis-2-Hexene		ND	ND	ND	ND	ND	
Methylcyclopentane		3.26	3.65	4.16	3.78	2.65	
2,4-Dimethylpentane		2.02	2.62	2.24	2.53	1.87	
Benzene		6.24	6.74	7.58	6.48	4.26	
Cyclohexane		1.98	2.54	1.91	2.40	1.86	
2-Methylhexane		4.26	2.16	4.10	4.73	1.27	
2,3-Dimethylpentane		4.64	5.53	4.35	4.25	2.66	
3-Methylhexane		3.44	4.44	4.09	4.49	3.07	
1-Heptene		1.11	ND	1.08	0.91	0.73	
2,2,4-Trimethylpentane		6.65	7.60	6.99	7.49	5.12	
n-Heptane		3.16	3.30	3.29	3.30	1.85	
Methylcyclohexane		2.35	2.52	2.54	2.61	1.54	
2,2,3-Trimethylpentane		1.15	ND	1.42	ND	ND	
2,3,4-Trimethylpentane		2.31	2.63	2.64	2.82	1.98	
Toluene		20.56	24.39	25.79	26.49	14.07	
2-Methylheptane		0.94	1.41	1.15	1.55	0.94	
3-Methylheptane		1.02	1.47	1.46	1.73	1.28	
1-Octene		ND	ND	ND	ND	ND	
n-Octane		1.29	1.75	1.98	2.38	1.25	
Ethylbenzene		2.79	3.23	4.41	5.39	1.75	
m-Xylene/p-Xylene		10.89	12.71	15.84	17.91	7.16	
Styrene		1.19	1.46	1.51	1.38	0.40	
o-Xylene		4.09	4.64	5.80	5.82	2.90	
1-Nonene		0.35	U	0.52	0.48	ND	
n-Nonane		1.12	1.54	3.39	3.95	1.08	
Isopropylbenzene		0.25	U	0.84	1.38	0.82	
à-Pinene		0.67	0.88	1.83	1.96	0.46	
n-Propylbenzene		0.68	1.03	1.24	1.61	0.52	
m-Ethyltoluene		2.89	3.77	5.21	5.94	1.89	
p-Ethyltoluene		1.29	1.75	2.68	3.34	1.04	
1,3,5-Trimethylbenzene		1.69	2.17	4.15	4.97	0.99	
o-Ethyltoluene		1.18	1.60	1.29	2.10	0.95	
b-Pinene		0.30	U	1.07	ND	ND	
1,2,4-Trimethylbenzene		3.96	5.05	7.11	7.49	2.70	
1-Decene		ND	ND	ND	ND	ND	
n-Decane		1.84	2.66	9.14	7.93	1.07	
1,2,3-Trimethylbenzene		1.45	1.41	0.81	1.58	1.24	
m-Diethylbenzene		ND	0.77	0.48	0.57	0.24	U
p-Diethylbenzene		ND	0.61	ND	0.88	0.53	
1-Undecene		ND	0.86	0.58	0.61	0.48	
n-Undecane		2.97	3.53	5.34	5.55	1.45	
1-Dodecene		ND	ND	ND	ND	ND	
n-Dodecane		2.48	2.43	3.52	3.37	0.57	U
1-Tridecene		ND	ND	ND	ND	ND	
n-Tridecane		ND	ND	ND	ND	ND	
TNMOC (speciated)		239.61	271.83	289.82	306.47	196.72	
TNMOC (w/ unknowns)		998.86	1139.42	1095.36	1142.64	266.26	

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Sample No.:	SLCU 30663	SLCU 30763	SLCU 30883	SLCU 30941 D1	SLCU 30941 R1	SLCU 30943 D2	SLCU 30943 R2
Sampling Date:	11/10/2002	11/16/2002	11/22/2002	11/28/2002	11/28/2002	11/28/2002	11/28/2002
Analysis Date:	12/14/2002	12/14/2002	12/18/2002	12/20/2002	12/23/2002	12/20/2002	12/23/2002
Filename:	N2LM011	N2LM023	N2LQ014	N2LT013	N2LW005	N2LT014	N2LW006
Ethylene	5.41	6.14	27.32	19.77	19.45	19.98	19.48
Acetylene	5.61	5.00	26.00	19.89	19.42	20.21	18.83
Ethane	6.65	5.87	20.14	17.61	17.02	17.49	18.13
Propylene	2.15	2.81	11.24	7.34	6.37	7.16	6.96
Propane	5.79	5.82	27.25	24.24	23.71	24.09	23.84
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	3.91	4.64	32.90	23.91	23.56	23.87	24.02
Isobutene/1-Butene	2.08	2.95	7.35	4.73	4.73	4.68	4.67
1,3-Butadiene	0.40	0.39	2.51	1.38	1.62	1.74	1.42
n-Butane	7.09	7.99	51.99	37.25	37.43	36.69	36.40
trans-2-Butene	0.40	0.50	2.16	1.22	1.63	1.32	1.30
cis-2-Butene	0.29	0.66	1.90	1.14	1.12	1.15	1.13
3-Methyl-1-butene	0.14	U	0.19	U	0.43	0.43	0.43
Isopentane	7.12	7.81	46.02	27.57	27.35	27.09	26.66
1-Pentene	1.38	0.84	1.83	0.99	1.34	1.00	1.03
2-Methyl-1-butene	0.53	0.56	2.76	1.39	1.45	1.42	1.48
n-Pentane	3.94	4.16	23.77	14.88	15.01	14.75	14.53
Isoprene	0.38	0.29	1.15	0.77	0.88	0.77	0.76
trans-2-Pentene	0.75	0.66	2.69	1.68	1.55	1.53	1.63
cis-2-Pentene	0.43	0.43	1.61	1.10	0.92	0.96	1.05
2-Methyl-2-butene	0.54	0.60	3.96	2.28	2.16	2.12	2.27
2,2-Dimethylbutane	0.45	0.54	1.97	1.10	1.17	1.14	1.14
Cyclopentene	0.26	ND	0.66	0.47	0.44	0.59	0.52
4-Methyl-1-pentene	ND	ND	ND	0.11	U	ND	U
Cyclopentane	0.39	0.51	2.55	1.31	1.34	1.23	1.26
2,3-Dimethylbutane	0.97	0.94	4.96	2.90	2.99	2.88	2.82
2-Methylpentane	2.25	2.74	15.22	9.34	8.80	9.26	9.06
3-Methylpentane	1.73	2.37	9.66	6.13	5.92	6.12	6.05
2-Methyl-1-pentene	ND	ND	0.59	0.33	0.38	0.37	0.31
1-Hexene	0.35	0.81	0.62	0.44	0.69	0.50	0.52
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	2.21	2.36	13.99	8.99	9.38	9.09	8.97
trans-2-Hexene	ND	ND	0.85	0.47	0.52	0.66	0.45
cis-2-Hexene	ND	ND	ND	ND	0.13	U	ND
Methylcyclopentane	1.26	1.40	7.17	4.41	4.41	4.43	4.38
2,4-Dimethylpentane	0.94	0.95	4.69	2.73	2.81	2.72	2.75
Benzene	3.64	4.12	17.27	11.66	11.39	11.62	11.51
Cyclohexane	0.79	0.73	3.82	2.28	2.29	2.35	2.23
2-Methylhexane	1.83	1.88	7.47	4.70	4.76	4.73	4.59
2,3-Dimethylpentane	1.41	1.54	8.98	5.25	4.99	4.63	4.94
3-Methylhexane	1.44	2.11	7.59	4.70	4.54	4.41	4.36
1-Heptene	0.19	U	0.30	ND	ND	ND	ND
2,2,4-Trimethylpentane	2.36	2.74	14.89	8.43	8.29	8.38	8.33
n-Heptane	1.21	1.41	7.00	4.27	4.28	4.24	4.26
Methylcyclohexane	0.70	0.79	4.14	2.56	2.64	2.73	2.51
2,2,3-Trimethylpentane	0.44	0.56	3.19	1.76	1.67	1.68	1.75
2,3,4-Trimethylpentane	0.95	0.90	4.92	2.74	2.63	2.74	2.84
Toluene	8.68	9.66	53.40	33.17	32.88	33.15	32.82
2-Methylheptane	0.39	0.55	2.46	1.33	1.39	1.52	1.44
3-Methylheptane	0.45	0.60	2.60	1.52	1.65	1.69	1.65
1-Octene	ND	0.24	1.64	0.28	ND	0.56	ND
n-Octane	0.63	0.85	3.19	1.90	2.12	2.12	2.05
Ethylbenzene	1.11	1.33	7.33	4.57	4.76	4.70	4.60
m-Xylene/p-Xylene	4.90	5.01	28.47	18.14	17.87	18.06	17.95
Styrene	0.35	0.12	2.84	1.04	1.02	1.09	1.01
o-Xylene	1.89	1.87	9.89	6.50	6.25	6.41	6.33
1-Nonene	0.45	0.34	U	1.15	1.14	1.11	1.07
n-Nonane	0.40	0.57	1.79	1.36	1.45	1.45	1.42
Isopropylbenzene	0.62	0.17	U	0.17	U	0.25	U
α-Pinene	ND	ND	ND	0.27	U	0.26	U
n-Propylbenzene	0.62	0.37	1.66	0.98	0.99	1.17	0.97
m-Ethyltoluene	1.87	0.86	6.21	3.63	3.59	3.76	3.66
p-Ethyltoluene	0.70	0.49	2.78	1.68	1.59	1.70	1.63
1,3,5-Trimethylbenzene	0.66	0.32	3.09	1.89	1.85	1.81	1.83
o-Ethyltoluene	0.60	0.42	2.02	1.22	1.17	1.23	1.22
β-Pinene	0.80	ND	0.46	0.36	0.33	0.37	0.32
1,2,4-Trimethylbenzene	2.17	0.99	8.88	5.20	5.18	5.36	5.18
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	1.24	0.55	2.54	1.72	1.59	1.97	1.69
1,2,3-Trimethylbenzene	1.49	0.35	2.06	1.21	1.13	1.20	1.25
m-Diethylbenzene	0.54	ND	0.66	0.17	U	0.20	U
p-Diethylbenzene	2.22	ND	1.07	0.50	0.51	0.58	0.61
1-Undecene	0.90	ND	ND	ND	0.42	ND	0.40
n-Undecane	2.56	0.35	2.81	2.19	2.24	2.53	2.63
1-Dodecene	ND	ND	ND	ND	ND	ND	ND
n-Dodecane	0.34	U	ND	0.38	U	0.51	U
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	ND	ND	ND	ND
TNMOC (speciated)	117.33	114.00	587.60	389.36	385.93	390.06	384.79
TNMOC (w/ unknowns)	202.58	195.32	739.63	453.85	448.16	449.35	451.38

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Sample No.:	SLCU 31004	SLCU 31126	SLCU 31128	SLCU 31340	SLCU 31447		
Sampling Date:	12/4/2002	12/10/2002	12/16/2002	12/22/2002	12/28/2002		
Analysis Date:	1/2/2003	1/8/2003	1/11/2003	1/13/2003	1/13/2003		
Filename:	L3AB014	L3AH007	N3AJ017	L3AM013	L3AM014		
Ethylene	29.73	20.15	5.00	4.74	1.84		
Acetylene	26.05	18.33	2.97	4.82	1.94		
Ethane	26.14	25.38	5.30	9.68	5.69		
Propylene	10.55	8.05	2.58	1.85	0.94		
Propane	16.45	28.26	4.62	8.48	4.16		
Propyne	ND	ND	ND	ND	ND		
Isobutane	23.23	35.24	3.63	4.03	2.53		
Isobutene/1-Butene	13.48	5.26	5.28	1.03	0.99		
1,3-Butadiene	1.87	1.00	0.24	U	0.29	ND	
n-Butane	44.51	49.05	7.99	8.13	5.88		
trans-2-Butene	2.59	1.03	0.36	0.24	0.19	U	
cis-2-Butene	2.77	1.24	0.37	0.31	ND		
3-Methyl-1-butene	0.81	0.58	0.17	U	ND	ND	
Isopentane	43.17	32.90	5.87	5.78	3.89		
1-Pentene	2.60	1.39	0.95	0.92	0.33		
2-Methyl-1-butene	3.01	1.63	0.66	0.47	0.26		
n-Pentane	23.95	16.99	2.99	3.15	2.23		
Isoprene	1.46	0.43	0.49	0.37	0.44		
trans-2-Pentene	2.97	1.73	0.38	0.30	0.26		
cis-2-Pentene	1.52	0.77	0.16	U	0.19	U	
2-Methyl-2-butene	4.14	1.94	ND	0.45	0.28		
2,2-Dimethylbutane	1.73	1.27	0.29	0.28	ND		
Cyclopentene	0.99	0.61	0.29	0.26	0.20	U	
4-Methyl-1-pentene	ND	ND	ND	ND	ND		
Cyclopentane	2.59	3.27	0.48	0.66	0.55		
2,3-Dimethylbutane	4.55	3.04	0.60	0.55	0.40		
2-Methylpentane	14.94	10.03	4.48	1.83	1.02		
3-Methylpentane	13.58	8.22	1.17	1.49	0.69		
2-Methyl-1-pentene	1.00	0.39	0.24	U	ND	ND	
1-Hexene	1.50	0.51	0.79	0.26	ND	ND	
2-Ethyl-1-butene	ND	ND	ND	ND	ND		
n-Hexane	14.57	9.30	1.70	1.99	1.23		
trans-2-Hexene	0.37	ND	ND	ND	ND		
cis-2-Hexene	ND	ND	0.69	ND	ND		
Methylcyclopentane	7.78	5.05	2.70	0.94	0.56		
2,4-Dimethylpentane	4.94	3.11	1.13	0.49	0.29		
Benzene	17.51	11.48	2.49	2.93	2.42		
Cyclohexane	4.60	3.14	0.62	0.77	0.36		
2-Methylhexane	7.88	5.89	7.69	0.58	0.22		
2,3-Dimethylpentane	12.09	6.24	1.56	0.82	0.47		
3-Methylhexane	22.34	5.12	42.34	1.34	0.94		
1-Heptene	1.64	ND	0.54	0.24	U	ND	
2,2,4-Trimethylpentane	11.96	8.56	2.04	1.23	0.92		
n-Heptane	6.47	4.37	0.78	0.78	0.52		
Methylcyclohexane	5.99	4.02	2.20	0.47	0.23		
2,2,3-Trimethylpentane	2.01	1.40	0.70	0.20	U	ND	
2,3,4-Trimethylpentane	4.08	2.56	0.55	0.48	0.32		
Toluene	42.50	29.39	6.47	5.76	3.71		
2-Methylheptane	2.99	1.94	2.49	0.29	ND		
3-Methylheptane	2.14	1.63	0.20	0.19	ND		
1-Octene	0.23	U	ND	ND	ND		
n-Octane	2.46	2.89	0.72	0.42	0.25		
Ethylbenzene	5.22	4.18	0.79	0.72	0.43		
m-Xylene/p-Xylene	20.59	14.81	6.66	2.45	1.58		
Styrene	17.14	ND	74.74	0.20	ND		
o-Xylene	7.63	5.22	1.82	0.86	0.53		
1-Nonene	0.71	0.37	0.55	ND	ND		
n-Nonane	1.76	2.01	0.32	0.23	ND		
Isopropylbenzene	0.21	U	0.73	1.94	ND	ND	
α-Pinene	10.15	1.55	6.08	0.35	ND		
n-Propylbenzene	2.09	1.12	1.45	0.35	0.29		
m-Ethyltoluene	4.80	3.03	0.83	0.73	0.52		
p-Ethyltoluene	2.33	1.73	1.47	0.42	0.55		
1,3,5-Trimethylbenzene	2.43	1.87	0.26	0.34	0.21		
o-Ethyltoluene	2.50	1.59	2.25	0.36	0.20	U	
β-Pinene	9.94	0.37	ND	0.56	0.81		
1,2,4-Trimethylbenzene	6.96	4.12	2.58	0.85	0.60		
1-Decene	ND	ND	ND	ND	ND		
n-Decane	2.29	2.67	0.76	0.41	0.35		
1,2,3-Trimethylbenzene	2.04	1.44	1.46	0.72	0.64		
m-Diethylbenzene	ND	0.62	1.99	0.47	0.30		
p-Diethylbenzene	ND	0.44	0.64	0.39	0.42		
1-Undecene	0.61	0.58	ND	ND	ND		
n-Undecane	4.83	4.05	1.93	1.46	1.15		
1-Dodecene	0.68	U	ND	ND	ND		
n-Dodecane	0.84	0.61	U	0.24	U	0.26	U
1-Tridecene	ND	ND	0.17	U	ND	ND	
n-Tridecane	ND	ND	0.11	U	ND	ND	
TNMOC (speciated)	602.16	437.84	244.99	92.76	56.05		
TNMOC (w/ unknowns)	950.65	547.91	622.13	172.15	110.08		

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(Reported in ppbV)

Sample No.:	SLCU 25144	SLCU 25152	SLCU 25149	SLCU 25297	SLCU 25485 D1	SLCU 25485 R1	SLCU 25486 D2
Sampling Date:	1/2/2002	1/8/2002	1/14/2002	1/20/2002	1/26/2002	1/26/2002	1/26/2002
Analysis Date:	1/25/2002	2/2/2002	1/26/2002	1/29/2002	2/27/2002	2/27/2002	2/27/2002
Filename:	L2AX021	L2AY013	L2AY021	L2A#013	L2BZ015	L2B-010	L2BZ016
Ethylene	6.95	10.86	5.03	2.50	1.63	1.64	1.62
Acetylene	6.61	10.66	4.59	2.61	1.53	1.47	1.49
Ethane	11.19	13.01	5.78	4.49	3.02	2.97	2.94
Propylene	1.53	2.07	1.09	0.53	0.53	0.52	0.53
Propane	5.15	7.90	2.66	2.43	1.92	1.90	1.93
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	2.63	3.71	1.80	1.13	0.86	0.88	0.85
Isobutene/1-Butene	1.00	1.21	0.83	0.47	0.53	0.46	0.45
1,3-Butadiene	0.21	0.29	0.14	0.08	0.06	U	0.07
n-Butane	5.21	6.90	3.32	2.13	1.97	1.98	1.98
trans-2-Butene	0.24	0.34	0.17	0.12	0.14	0.12	0.13
cis-2-Butene	0.28	0.34	0.20	0.16	0.17	0.15	0.15
3-Methyl-1-butene	0.06	0.08	0.04	U	ND	ND	ND
Isopentane	3.34	4.93	2.71	1.27	1.03	1.01	0.99
1-Pentene	0.22	0.19	0.13	0.09	0.09	0.09	0.09
2-Methyl-1-butene	0.21	0.27	0.14	0.09	0.07	0.07	0.08
n-Pentane	1.91	2.82	1.68	0.69	0.57	0.55	0.56
Isoprene	0.14	0.17	0.14	0.09	0.09	0.10	0.13
trans-2-Pentene	0.25	0.41	0.17	0.10	0.12	0.12	0.10
cis-2-Pentene	0.16	0.20	0.12	0.08	0.09	0.09	0.09
2-Methyl-2-butene	0.30	0.41	0.17	0.08	0.10	0.10	0.09
2,2-Dimethylbutane	0.18	0.24	0.15	0.10	0.11	0.11	0.10
Cyclopentene	0.31	0.06	ND	ND	0.05	U	0.09
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.53	0.96	0.39	0.11	0.12	0.11	0.10
2,3-Dimethylbutane	0.40	0.53	0.27	0.16	0.15	0.14	0.14
2-Methylpentane	1.04	1.44	0.63	0.33	0.35	0.34	0.37
3-Methylpentane	0.69	0.96	0.45	0.25	0.23	0.23	0.22
2-Methyl-1-pentene	0.06	0.05	ND	ND	ND	ND	ND
1-Hexene	0.16	0.15	0.11	0.09	0.11	0.11	0.11
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	1.11	1.46	0.60	0.30	0.27	0.28	0.29
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	0.04	U	ND	ND	ND	ND
Methylcyclopentane	0.53	0.76	0.34	0.18	0.16	0.16	0.18
2,4-Dimethylpentane	0.34	0.44	0.19	0.11	0.11	0.12	0.11
Benzene	1.19	1.97	0.82	0.46	0.45	0.45	0.42
Cyclohexane	0.33	0.49	0.28	0.14	0.13	0.13	0.14
2-Methylhexane	0.45	0.64	0.30	0.21	0.20	0.20	0.25
2,3-Dimethylpentane	0.61	0.80	0.38	0.22	0.20	0.19	0.20
3-Methylhexane	0.42	0.62	0.27	0.15	0.14	0.12	0.10
1-Heptene	ND	ND	ND	0.03	U	0.03	U
2,2,4-Trimethylpentane	0.81	1.04	0.43	0.19	0.18	0.18	0.19
n-Heptane	0.37	0.58	0.21	0.12	0.12	0.11	0.12
Methylcyclohexane	0.28	0.48	0.19	0.12	0.10	0.11	0.11
2,2,3-Trimethylpentane	0.13	0.20	0.06	ND	0.02	U	ND
2,3,4-Trimethylpentane	0.27	0.36	0.15	0.07	0.07	0.07	0.07
Toluene	2.25	4.06	1.93	0.67	0.64	0.61	0.59
2-Methylheptane	0.11	0.22	0.07	0.04	0.04	0.04	0.04
3-Methylheptane	0.12	0.22	0.08	0.05	0.05	0.05	0.05
1-Octene	ND	ND	ND	ND	ND	ND	0.02
n-Octane	0.15	0.37	0.10	0.06	0.06	0.06	0.06
Ethylbenzene	0.25	0.44	0.17	0.09	0.08	0.09	0.08
m-Xylene/p-Xylene	1.03	1.56	0.60	0.27	0.25	0.27	0.25
Styrene	0.16	0.17	0.13	ND	0.06	0.03	0.05
o-Xylene	0.36	0.57	0.23	0.11	0.10	0.10	0.09
1-Nonene	0.05	0.05	0.02	U	ND	ND	ND
n-Nonane	0.10	0.27	0.11	0.05	0.05	0.04	0.04
Isopropylbenzene	0.04	0.03	U	0.03	0.03	U	0.02
α-Pinene	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.09	0.14	0.07	0.05	0.03	U	0.03
m-Ethyltoluene	0.25	0.34	0.19	0.11	0.08	0.09	0.07
p-Ethyltoluene	0.13	0.19	0.11	0.06	0.05	0.04	0.05
1,3,5-Trimethylbenzene	0.14	0.20	0.09	0.03	0.03	0.03	0.04
o-Ethyltoluene	0.10	0.22	0.08	0.05	0.04	0.04	0.04
b-Pinene	0.05	0.02	U	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.31	0.43	0.21	0.11	0.09	0.09	0.09
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.17	0.48	0.28	0.06	0.06	0.06	0.07
1,2,3-Trimethylbenzene	0.13	0.15	0.09	0.06	0.05	0.05	0.04
m-Diethylbenzene	0.04	0.04	0.03	U	0.02	U	0.09
p-Diethylbenzene	0.04	0.07	0.03	0.05	0.04	0.05	0.03
1-Undecene	ND	0.04	ND	ND	ND	ND	ND
n-Undecane	0.25	0.38	0.50	0.21	0.20	0.21	0.16
1-Dodecene	ND	ND	ND	ND	ND	ND	ND
n-Dodecane	0.03	U	0.06	U	0.15	0.15	0.10
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	ND	0.03	U	0.02
TNMOC (speciated) in ppbv	64.11	91.76	42.41	24.73	20.14	19.88	19.72
TNMOC (w/ unknowns) in ppbC	336.44	462.28	224.35	144.27	132.93	127.29	136.09

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Sample No.:	SLCU 25486 R2	SLCU 25616	SLCU 25799	SLCU 25812	SLCU 25958	SLCU 26087 D1	SLCU 26087 R1
Sampling Date:	1/26/2002	2/1/2002	2/7/2002	2/13/2002	2/19/2002	2/25/2002	2/25/2002
Analysis Date:	2/27/2002	2/28/2002	2/28/2002	3/5/2002	3/5/2002	3/7/2002	3/7/2002
Filename:	L2B-011	L2B-017	L2B1010	L2CE009	L2CE012	L2CF012	L2CG005
Ethylene	1.60	7.49	8.41	7.68	4.65	1.54	1.46
Acetylene	1.45	6.96	10.22	8.23	4.50	1.54	1.47
Ethane	2.94	8.38	11.04	9.70	5.75	4.30	4.30
Propylene	0.50	1.81	1.98	1.95	1.41	0.47	0.47
Propane	1.91	5.03	8.41	5.96	2.92	2.76	2.75
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.84	2.23	3.55	2.70	1.48	0.69	0.66
Isobutene/1-Butene	0.46	1.15	1.16	1.11	0.82	0.34	0.35
1,3-Butadiene	0.05 U	0.27	0.25	0.25	0.17	0.04 U	0.05 U
n-Butane	1.94	4.84	6.50	5.87	3.47	1.44	1.36
trans-2-Butene	0.12	0.29	0.33	0.30	0.24	0.10	0.09
cis-2-Butene	0.15	0.31	0.35	0.34	0.27	0.12	0.12
3-Methyl-1-butene	ND	0.06	0.06	0.07	0.04 U	ND	ND
Isopentane	0.95	2.77	3.74	3.32	1.81	1.02	1.02
1-Pentene	0.10	0.22	0.05	0.06	0.16	0.08	0.04
2-Methyl-1-butene	0.07	0.25	0.32	0.23	0.16	0.05	0.05 U
n-Pentane	0.53	1.71	2.44	1.99	1.23	0.82	0.71
Isoprene	0.13	0.16	0.18	0.16	0.13	0.11	0.11
trans-2-Pentene	0.11	0.23	0.21	0.26	0.19	0.09	0.09
cis-2-Pentene	0.09	0.16	0.15	0.17	0.14	0.09	0.08
2-Methyl-2-butene	0.10	0.34	0.26	0.32	0.25	0.06	0.06
2,2-Dimethylbutane	0.11	0.19	0.24	0.21	0.16	0.10	0.12
Cyclopentene	0.08	ND	ND	0.05	ND	0.10	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.11	0.22	0.55	0.45	0.15	0.17	0.16
2,3-Dimethylbutane	0.15	0.37	0.40	0.41	0.25	0.12	0.12
2-Methylpentane	0.41	0.98	1.28	1.19	0.85	0.28	0.26
3-Methylpentane	0.22	0.66	0.78	0.73	0.45	0.19	0.19
2-Methyl-1-pentene	ND	0.04 U	0.03 U	0.05	0.03 U	ND	ND
1-Hexene	0.12	0.18	0.15	0.17	0.14	0.10	0.09
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.28	0.97	1.14	1.06	0.68	0.27	0.26
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	0.03 U	ND	0.03 U	ND	ND	ND
Methylcyclopentane	0.17	0.50	0.59	0.54	0.43	0.14	0.13
2,4-Dimethylpentane	0.12	0.29	0.33	0.31	0.21	0.10	0.09
Benzene	0.42	1.41	1.67	1.38	0.85	0.45	0.43
Cyclohexane	0.13	0.33	0.43	0.36	0.23	0.19	0.19
2-Methylhexane	0.23	0.48	0.54	0.48	0.44	0.19	0.18
2,3-Dimethylpentane	0.19	0.53	0.59	0.53	0.35	0.16	0.16
3-Methylhexane	0.10	0.40	0.52	0.47	0.28	0.12	0.12
1-Heptene	0.04	0.10	0.09	ND	ND	ND	ND
2,2,4-Trimethylpentane	0.19	0.66	0.71	0.72	0.43	0.15	0.14
n-Heptane	0.11	0.34	0.45	0.39	0.25	0.11	0.11
Methylcyclohexane	0.11	0.28	0.38	0.34	0.18	0.12	0.12
2,2,3-Trimethylpentane	0.02 U	0.11	0.12	0.14	0.09	ND	ND
2,3,4-Trimethylpentane	0.07	0.23	0.26	0.23	0.15	0.06	0.06
Toluene	0.61	2.27	3.08	2.49	1.41	1.23	1.20
2-Methylheptane	0.03	0.09	0.11	0.11	0.06	0.04	0.03
3-Methylheptane	0.05	0.11	0.13	0.12	0.09	0.04	0.04
1-Octene	ND	0.03	0.02 U	0.02 U	ND	ND	ND
n-Octane	0.06	0.13	0.19	0.15	0.11	0.06	0.05
Ethylbenzene	0.08	0.24	0.36	0.27	0.19	0.09	0.08
m-Xylene/p-Xylene	0.27	0.91	1.14	1.01	0.61	0.27	0.26
Styrene	0.06	0.09	0.28	0.10	0.12	0.09	0.07
o-Xylene	0.10	0.32	0.42	0.37	0.23	0.10	0.09
1-Nonene	ND	0.04 U	0.03 U	0.03 U	ND	ND	ND
n-Nonane	0.04	0.08	0.16	0.11	0.07	0.04	0.04
Isopropylbenzene	0.03 U	0.02 U	0.03	0.04	0.04	0.03	0.03
α-Pinene	ND	ND	ND	ND	ND	0.36	0.34
n-Propylbenzene	0.03 U	0.07	0.08	0.08	0.05	0.03 U	0.02 U
m-Ethyltoluene	0.07	0.18	0.27	0.21	0.15	0.08	0.07
p-Ethyltoluene	0.04	0.09	0.14	0.12	0.08	0.05	0.04
1,3,5-Trimethylbenzene	0.03	0.08	0.15	0.11	0.05	0.02 U	0.02
o-Ethyltoluene	0.04	0.09	0.14	0.10	0.07	0.03 U	0.04
β-Pinene	ND	ND	0.04	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.09	0.23	0.32	0.26	0.17	0.08	0.06
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.07	0.09	0.21	0.14	0.07	0.19	0.17
1,2,3-Trimethylbenzene	0.04	0.09	0.24	0.10	0.11	0.03	0.04
m-Diethylbenzene	0.09	0.05	0.32	0.12	0.21	0.13	0.08
p-Diethylbenzene	0.04	0.04	0.15	0.05	0.09	0.05	0.03
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.18	0.20	0.50	0.28	0.22	0.55	0.54
1-Dodecene	ND	ND	ND	ND	ND	ND	ND
n-Dodecane	0.10	0.05 U	0.30	0.16	0.07	0.40	0.39
1-Tridecene	ND	ND	0.01 U	ND	ND	ND	ND
n-Tridecane	0.02 U	0.01 U	0.09	0.08	0.05 U	0.06	0.07
TNMOC (speciated) in ppbv	19.56	59.57	79.78	67.52	40.73	22.83	21.98
TNMOC (w/ unknowns) in ppbC	132.56	306.50	479.13	346.62	278.06	149.43	145.87

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Sample No.:	SLCU 26089 D2	SLCU 26089 R2	SLCU 26609	SLCU 26212	SLCU 26386	SLCU 26607	SLCU 26770
Sampling Date:	2/25/2002	2/25/2002	3/3/2002	3/9/2002	3/15/2002	3/21/2002	4/2/2002
Analysis Date:	3/7/2002	3/7/2002		3/14/2002	3/25/2002		4/18/2002
Filename:	L2CF013	L2CG006	VOID	L2CM021	L2CY009	VOID	L2DR008
Ethylene	1.91	1.91		3.88	3.65		1.73
Acetylene	1.89	1.87		4.03	2.71		2.09
Ethane	3.88	3.88		6.70	5.63		2.71
Propylene	0.55	0.59		0.93	1.05		1.18
Propane	2.46	2.50		3.03	2.52		1.61
Propyne	ND	ND		ND	ND		ND
Isobutane	4.45	4.41		1.22	0.93		0.98
Isobutene/1-Butene	0.42	0.43		0.64	0.64		1.10
1,3-Butadiene	0.07	0.07		0.12	0.08		0.14
n-Butane	2.79	2.80		2.65	1.69		2.22
trans-2-Butene	0.12	0.12		0.14	0.12		0.20
cis-2-Butene	0.13	0.13		0.16	0.14		0.22
3-Methyl-1-butene	ND	ND		0.03	ND		0.04
Isopentane	4.36	4.31		1.58	0.98		7.18
1-Pentene	0.41	0.46		0.11	0.13		0.12
2-Methyl-1-butene	0.18	0.23		0.10	0.08		0.17
n-Pentane	5.36	5.14		0.98	0.87		1.16
Isoprene	0.10	0.09		0.11	0.08		0.11
trans-2-Pentene	0.11	0.12		0.15	0.10		0.18
cis-2-Pentene	0.10	0.10		0.11	0.09		0.13
2-Methyl-2-butene	0.10	0.10		0.13	0.18		0.40
2,2-Dimethylbutane	0.13	0.14		0.14	0.12		0.15
Cyclopentene	ND	0.10		ND	ND		0.03
4-Methyl-1-pentene	ND	ND		ND	ND		ND
Cyclopentane	0.26	0.23		0.13	0.10		0.25
2,3-Dimethylbutane	0.15	0.16		0.23	0.16		0.24
2-Methylpentane	0.36	0.36		0.57	0.60		1.38
3-Methylpentane	0.26	0.25		0.39	0.27		0.48
2-Methyl-1-pentene	ND	ND		ND	ND		0.03
1-Hexene	0.10	0.11		0.15	0.17		0.14
2-Ethyl-1-butene	ND	ND		ND	ND		ND
n-Hexane	0.55	0.53		0.54	0.39		0.61
trans-2-Hexene	ND	ND		ND	ND		ND
cis-2-Hexene	ND	ND		ND	ND		ND
Methylcyclopentane	0.21	0.22		0.29	0.34		0.33
2,4-Dimethylpentane	0.10	0.11		0.19	0.16		0.26
Benzene	0.44	0.46		0.80	0.61		0.80
Cyclohexane	0.28	0.30		0.21	0.15		0.20
2-Methylhexane	0.15	0.24		0.30	0.40		0.58
2,3-Dimethylpentane	0.20	0.21		0.34	0.26		0.39
3-Methylhexane	0.18	0.20		0.24	0.23		0.29
1-Heptene	0.03	ND		0.04	0.07		0.06
2,2,4-Trimethylpentane	0.16	0.20		0.40	0.31		0.38
n-Heptane	0.17	0.18		0.20	0.15		0.20
Methylcyclohexane	0.14	0.13		0.16	0.14		0.22
2,2,3-Trimethylpentane	ND	ND		0.06	0.05		0.10
2,3,4-Trimethylpentane	0.07	0.08		0.14	0.12		0.15
Toluene	3.64	3.86		1.33	0.98		1.55
2-Methylheptane	0.04	0.05		0.05	0.05		0.08
3-Methylheptane	0.05	0.06		0.07	0.05		0.09
1-Octene	ND	ND		0.02	0.05		ND
n-Octane	0.07	0.08		0.08	0.08		0.12
Ethylbenzene	0.15	0.17		0.15	0.13		0.16
m-Xylene/p-Xylene	0.35	0.36		0.55	0.36		0.59
Styrene	0.07	0.07		0.03	0.36		0.02
o-Xylene	0.16	0.15		0.20	0.14		0.21
1-Nonene	ND	ND		ND	0.02	U	ND
n-Nonane	0.12	0.12		0.04	0.05		0.09
Isopropylbenzene	0.03	0.03	U	0.02	0.10		0.03
α-Pinene	0.18	0.19		ND	ND		ND
n-Propylbenzene	0.08	0.08		0.06	0.06		0.05
m-Ethyltoluene	0.12	0.13		0.17	0.11		0.11
p-Ethyltoluene	0.08	0.08		0.08	0.06		0.07
1,3,5-Trimethylbenzene	0.07	0.07		0.05	0.04		0.06
o-Ethyltoluene	0.07	0.07		0.06	0.05		0.05
β-Pinene	ND	ND		ND	ND		ND
1,2,4-Trimethylbenzene	0.16	0.17		0.17	0.13		0.14
1-Decene	ND	ND		ND	ND		ND
n-Decane	0.43	0.43		0.07	0.05		0.09
1,2,3-Trimethylbenzene	0.07	0.08		0.10	0.09		0.08
m-Diethylbenzene	0.04	0.09		0.14	0.18		ND
p-Diethylbenzene	0.05	0.05		0.08	0.03		ND
1-Undecene	ND	ND		0.04	0.05		0.02
n-Undecane	1.00	0.97		0.19	0.11		0.05
1-Dodecene	ND	ND		ND	ND		ND
n-Dodecane	0.89	0.95		0.06	0.06	U	0.07
1-Tridecene	ND	ND		ND	ND		0.01
n-Tridecane	0.20	0.23		0.03	0.03	U	0.03
TNMOC (speciated) in ppbv	41.39	41.95		36.21	29.91		34.71
TNMOC (w/ unknowns) in ppbC	275.09	283.13		237.32	259.91		312.45

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Sample No.:	SLCU 26772	SLCU 26945	SLCU 27058	SLCU 27246	SLCU 27381	SLCU 27491	SLCU 27549 D1
Sampling Date:	4/8/2002	4/14/2002	4/20/2002	4/26/2002	5/2/2002	5/8/2002	5/14/2002
Analysis Date:	4/26/2002	4/27/2002	5/2/2002	5/3/2002	5/13/2002		
Filename:	L2DZ005	L2DZ015	L2EA023	L2EC011	L2EM013	VOID	VOID
Ethylene	4.08	1.16	1.65	2.23	3.55		
Acetylene	3.38	0.66	1.53	1.81	2.99		
Ethane	2.90	1.54	4.15	1.97	2.84		
Propylene	1.22	0.41	0.53	0.69	1.04		
Propane	2.75	1.10	2.25	1.63	2.36		
Propyne	ND	ND	ND	ND	ND		
Isobutane	3.83	0.60	0.73	0.74	1.22		
Isobutene/1-Butene	0.75	0.39	0.41	0.45	0.69		
1,3-Butadiene	0.17	0.03	U 0.06	U 0.08	0.14		
n-Butane	4.15	1.34	1.31	1.63	2.71		
trans-2-Butene	0.19	0.10	0.09	0.12	0.18		
cis-2-Butene	0.26	0.11	0.12	0.14	0.22		
3-Methyl-1-butene	0.05	ND	ND	ND	0.05	U	
Isopentane	18.51	1.02	0.97	1.45	2.59		
1-Pentene	0.21	0.08	0.07	0.10	0.17		
2-Methyl-1-butene	0.19	0.07	0.07	0.11	0.19		
n-Pentane	3.35	0.59	0.59	0.87	1.62		
Isoprene	0.17	0.09	0.08	0.11	0.14		
trans-2-Pentene	0.26	0.13	0.09	0.14	0.22		
cis-2-Pentene	0.17	0.09	0.07	0.10	0.15		
2-Methyl-2-butene	0.27	0.12	0.07	0.11	0.23		
2,2-Dimethylbutane	0.19	0.11	0.09	0.11	0.14		
Cyclopentene	0.14	ND	0.04	U ND	ND		
4-Methyl-1-pentene	ND	ND	ND	ND	ND		
Cyclopentane	0.29	0.10	0.10	0.14	0.23		
2,3-Dimethylbutane	0.36	0.14	0.15	0.19	0.32		
2-Methylpentane	1.05	0.49	0.37	0.46	0.81		
3-Methylpentane	0.70	0.22	0.25	0.35	0.59		
2-Methyl-1-pentene	0.04	U ND	ND	ND	ND		
1-Hexene	0.14	0.10	0.09	0.10	0.12		
2-Ethyl-1-butene	ND	ND	ND	ND	ND		
n-Hexane	1.14	0.24	0.33	0.50	0.77		
trans-2-Hexene	ND	ND	ND	ND	ND		
cis-2-Hexene	0.03	U ND	ND	ND	0.03	U	
Methylcyclopentane	0.53	0.14	0.17	0.24	0.42		
2,4-Dimethylpentane	0.26	0.11	0.10	0.14	0.22		
Benzene	1.09	0.34	0.47	0.61	0.90		
Cyclohexane	0.47	0.11	0.13	0.15	0.24		
2-Methylhexane	0.41	0.22	0.19	0.25	0.36		
2,3-Dimethylpentane	0.45	0.17	0.20	0.26	0.42		
3-Methylhexane	0.46	0.11	ND	0.28	0.43		
1-Heptene	ND	ND	0.03	U ND	ND		
2,2,4-Trimethylpentane	0.63	0.20	0.16	0.28	0.57		
n-Heptane	0.36	0.10	0.13	0.18	0.29		
Methylcyclohexane	0.28	0.10	0.13	0.13	0.22		
2,2,3-Trimethylpentane	0.13	ND	ND	0.04	0.11		
2,3,4-Trimethylpentane	0.23	0.06	0.07	0.11	0.21		
Toluene	4.64	0.65	0.77	1.40	2.30		
2-Methylheptane	0.12	0.04	0.05	0.07	0.10		
3-Methylheptane	0.13	0.05	0.06	0.09	0.11		
1-Octene	0.02	U ND	ND	ND	ND		
n-Octane	0.16	0.06	0.08	0.13	0.13		
Ethylbenzene	0.31	0.08	0.09	0.16	0.26		
m-Xylene/p-Xylene	1.14	0.25	0.32	0.61	0.90		
Styrene	0.08	0.08	0.08	0.12	0.06		
o-Xylene	0.40	0.09	0.11	0.23	0.32		
1-Nonene	0.03	U ND	ND	ND	ND		
n-Nonane	0.09	0.02	0.05	0.10	0.09		
Isopropylbenzene	0.04	0.04	0.04	0.03	U 0.04		
α-Pinene	0.10	ND	ND	ND	ND		
n-Propylbenzene	0.09	0.05	0.04	0.08	0.08		
m-Ethyltoluene	0.26	0.11	0.13	0.26	0.21		
p-Ethyltoluene	0.12	0.06	0.05	0.12	0.11		
1,3,5-Trimethylbenzene	0.13	0.03	0.03	0.12	0.09		
o-Ethyltoluene	0.12	0.04	0.05	0.11	0.10		
β-Pinene	ND	ND	ND	0.02	U ND		
1,2,4-Trimethylbenzene	0.29	0.11	0.12	0.40	0.25		
1-Decene	ND	ND	ND	ND	ND		
n-Decane	0.33	0.07	0.07	0.12	0.11		
1,2,3-Trimethylbenzene	0.10	0.08	0.11	0.15	0.11		
m-Diethylbenzene	0.07	0.13	0.14	0.08	0.05		
p-Diethylbenzene	0.06	0.04	0.06	0.04	0.06		
1-Undecene	0.04	0.04	0.04	0.04	0.04		
n-Undecane	0.65	0.22	0.25	0.28	0.28		
1-Dodecene	0.02	U 0.02	U ND	ND	ND		
n-Dodecane	0.30	0.06	0.10	0.07	0.10		
1-Tridecene	ND	ND	ND	ND	ND		
n-Tridecane	0.04	U 0.02	U 0.06	U 0.05	U 0.04	U	
TNMOC (speciated) in ppbv	66.12	15.12	20.92	23.90	36.62		
TNMOC (w/ unknowns) in ppbC	436.47	160.09	181.79	208.85	273.26		

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Sample No.:	SLCU 27551 D2	SLCU 27861	SLCU 27842	SLCU 27820	SLCU 27995	SLCU 28202	SLCU 28306
Sampling Date:	5/14/2002	5/20/2002	5/26/2002	6/1/2002	6/7/2002	6/13/2002	6/19/2002
Analysis Date:	6/12/2002	6/8/2002	6/8/2002	6/5/2002	7/2/2002		7/19/2002
Filename:	VOID	L2FK025	L2FG021	L2FE005	L2GB007	VOID	N2GR012
Ethylene		1.10	0.72	1.13	1.77		1.18
Acetylene		0.81	0.51	0.76	1.79		0.86
Ethane		1.46	2.47	1.18	2.11		1.45
Propylene		0.48	0.25	0.33	0.87		0.40
Propane		1.15	1.43	0.98	2.20		1.17
Propyne		ND	ND	ND	ND		ND
Isobutane		2.63	0.27	0.38	0.89		0.27
Isobutene/1-Butene		0.42	0.22	0.35	0.56		0.44
1,3-Butadiene		0.06	U	0.14	0.05	U	ND
n-Butane		1.54	0.53	1.14	2.34		0.71
trans-2-Butene		0.14	0.07	0.09	0.15		0.07
cis-2-Butene		0.13	0.09	0.12	0.19		0.08
3-Methyl-1-butene		0.03	U	ND	0.05	U	ND
Isopentane		2.45	0.59	1.22	2.95		0.90
1-Pentene		0.09	0.06	0.09	0.16		0.07
2-Methyl-1-butene		0.08	0.03	U	0.08		0.07
n-Pentane		0.90	0.35	0.67	1.70		0.46
Isoprene		0.34	0.22	0.14	0.23		0.31
trans-2-Pentene		0.10	0.07	0.09	0.24		0.07
cis-2-Pentene		0.09	0.07	0.08	0.16		0.07
2-Methyl-2-butene		0.09	0.03	U	0.08		0.07
2,2-Dimethylbutane		0.12	0.10	0.11	0.16		0.06
Cyclopentene		ND	ND	ND	0.06		0.04
4-Methyl-1-pentene		ND	ND	ND	ND		ND
Cyclopentane		0.14	0.06	0.11	0.32		0.28
2,3-Dimethylbutane		0.17	0.12	0.16	0.36		0.14
2-Methylpentane		0.36	0.13	0.32	0.97		0.24
3-Methylpentane		0.28	0.14	0.27	0.62		0.20
2-Methyl-1-pentene		ND	ND	ND	0.03	U	ND
1-Hexene		0.10	0.09	0.10	0.13		0.22
2-Ethyl-1-butene		ND	ND	ND	ND		ND
n-Hexane		0.31	0.13	0.28	0.98		0.24
trans-2-Hexene		ND	ND	ND	ND		ND
cis-2-Hexene		ND	ND	ND	ND		0.32
Methylcyclopentane		0.18	0.08	0.16	0.43		0.13
2,4-Dimethylpentane		0.11	0.06	0.11	0.26		0.10
Benzene		0.37	0.20	0.34	0.86		0.44
Cyclohexane		0.23	0.09	0.12	0.25		0.10
2-Methylhexane		0.15	0.11	0.17	0.38		0.31
2,3-Dimethylpentane		0.18	0.11	0.20	0.49		0.26
3-Methylhexane		0.26	0.19	0.16	0.54		0.18
1-Heptene		ND	ND	ND	ND		ND
2,2,4-Trimethylpentane		0.23	0.08	0.21	0.64		0.25
n-Heptane		0.20	0.08	0.12	0.43		0.22
Methylcyclohexane		0.09	0.06	0.09	0.32		0.18
2,2,3-Trimethylpentane		0.04	ND	0.05	0.13		0.10
2,3,4-Trimethylpentane		0.10	0.04	0.09	0.24		0.09
Toluene		2.19	0.66	0.87	2.77		1.88
2-Methylheptane		0.04	0.03	U	0.06		0.10
3-Methylheptane		0.06	0.04	0.07	0.22		0.12
1-Octene		ND	0.05	ND	ND		ND
n-Octane		0.09	0.07	0.12	0.46		0.21
Ethylbenzene		0.33	0.25	0.11	0.25		0.12
m-Xylene/p-Xylene		0.68	0.92	0.28	0.98		0.42
Styrene		0.49	0.10	ND	0.14		0.05
o-Xylene		0.22	0.39	0.11	0.34		0.45
1-Nonene		ND	ND	ND	0.04	U	0.03
n-Nonane		0.06	0.04	0.05	0.28		0.16
Isopropylbenzene		0.03	0.08	0.04	0.03	U	0.05
à-Pinene		0.07	0.02	U	ND		0.11
n-Propylbenzene		0.06	0.03	U	0.04		0.07
m-Ethyltoluene		0.16	0.07	U	0.10		0.12
p-Ethyltoluene		0.08	0.04	U	0.05		0.15
1,3,5-Trimethylbenzene		0.08	0.04	0.03	0.16		0.05
o-Ethyltoluene		0.07	ND	0.04	0.17		0.16
b-Pinene		ND	ND	ND	ND		ND
1,2,4-Trimethylbenzene		0.16	0.15	0.08	0.32		0.35
1-Decene		ND	ND	0.02	U	ND	ND
n-Decane		1.65	0.06	0.08	0.37		0.20
1,2,3-Trimethylbenzene		0.08	0.03	0.07	0.11		0.12
m-Diethylbenzene		0.09	ND	0.03	U		0.06
p-Diethylbenzene		0.05	0.02	0.04	0.05		0.22
1-Undecene		0.02	U	ND	0.03		0.04
n-Undecane		5.63	0.04	0.18	0.47		0.33
1-Dodecene		ND	ND	ND	ND		ND
n-Dodecane		1.95	0.03	U	0.05	U	0.04
1-Tridecene		ND	ND	ND	ND		ND
n-Tridecane		0.06	U	ND	0.10		ND
TNMOC (speciated) in ppbv		32.09	13.15	14.71	35.79		18.38
TNMOC (w/ unknowns) in ppbC		273.57	446.41	132.07	462.09		159.36

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Sample No.:	SLCU 28362 D1	SLCU 28362 R1	SLCU 28364 D2	SLCU 28364 R2	SLCU 28619	SLCU 28633	SLCU 28946
Sampling Date:	6/25/2002	6/25/2002	6/25/2002	6/25/2002	7/4/2002	7/7/2002	7/13/2002
Analysis Date:	7/21/2002	8/13/2002	8/1/2002	8/2/2002	7/31/2002	8/2/2002	
Filename:	N2GT015	L2HM007	L2HA013	L2HB005	L2G%007	L2HA016	VOID
Ethylene	2.02	2.50	2.13	2.11	2.26	1.90	
Acetylene	1.41	1.35	1.23	1.21	1.37	1.30	
Ethane	2.35	2.83	2.55	2.51	1.82	1.92	
Propylene	0.65	0.86	0.71	0.61	0.77	0.67	
Propane	2.25	2.52	2.34	2.19	1.78	2.79	
Propyne	ND	ND	ND	ND	ND	ND	
Isobutane	0.84	0.93	1.08	1.05	0.78	0.71	
Isobutene/1-Butene	0.53	0.63	0.51	0.51	0.65	0.53	
1,3-Butadiene	0.08	0.07	0.07	0.07	0.09	0.06	U
n-Butane	2.20	2.21	2.11	2.02	1.60	1.81	
trans-2-Butene	0.15	0.22	0.19	0.17	0.16	0.19	
cis-2-Butene	0.15	0.27	0.26	0.23	0.20	0.24	
3-Methyl-1-butene	0.05	ND	ND	ND	ND	ND	
Isopentane	2.66	NR	3.62	3.57	3.11	2.18	
1-Pentene	0.25	0.23	0.23	0.15	0.06	0.12	
2-Methyl-1-butene	0.21	0.22	0.18	0.23	0.19	0.18	
n-Pentane	1.67	1.87	3.41	3.24	1.38	1.43	
Isoprene	0.62	0.66	0.65	0.63	0.44	0.49	
trans-2-Pentene	0.16	0.23	0.23	0.22	0.18	0.23	
cis-2-Pentene	0.12	0.20	0.19	0.19	0.15	0.18	
2-Methyl-2-butene	0.15	0.15	0.15	0.13	0.15	0.16	
2,2-Dimethylbutane	0.13	0.25	0.22	0.22	0.16	0.22	
Cyclopentene	ND	ND	ND	ND	0.08	ND	
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	
Cyclopentane	0.19	0.21	0.23	0.23	0.18	0.21	
2,3-Dimethylbutane	0.29	0.41	0.37	0.36	0.30	0.37	
2-Methylpentane	0.69	0.84	0.72	0.74	0.65	0.74	
3-Methylpentane	0.48	0.53	0.52	0.51	0.41	0.52	
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	
1-Hexene	0.27	0.25	0.21	0.20	0.18	0.22	
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	
n-Hexane	0.59	0.70	0.74	0.72	0.62	0.75	
trans-2-Hexene	ND	ND	ND	ND	0.03	ND	
cis-2-Hexene	ND	ND	ND	ND	0.02	ND	
Methylcyclopentane	0.30	0.39	0.37	0.36	0.29	0.38	
2,4-Dimethylpentane	0.19	0.24	0.23	0.24	0.20	0.24	
Benzene	0.69	0.66	0.60	0.61	0.66	0.61	
Cyclohexane	0.19	0.30	0.41	0.40	0.24	0.28	
2-Methylhexane	0.39	0.43	0.36	0.36	0.31	0.34	
2,3-Dimethylpentane	0.38	0.42	0.41	0.41	0.35	0.40	
3-Methylhexane	0.30	0.32	0.32	0.32	0.24	0.29	
1-Heptene	ND	0.08	ND	0.06	ND	0.05	
2,2,4-Trimethylpentane	0.46	0.42	0.42	0.40	0.41	0.39	
n-Heptane	0.27	0.26	0.26	0.27	0.20	0.24	
Methylcyclohexane	0.16	0.21	0.20	0.20	0.15	0.21	
2,2,3-Trimethylpentane	0.08	0.08	0.06	0.06	0.07	0.05	
2,3,4-Trimethylpentane	0.15	0.19	0.16	0.16	0.16	0.17	
Toluene	2.01	1.64	3.07	3.31	1.40	1.31	
2-Methylheptane	0.09	0.09	0.11	0.12	0.08	0.09	
3-Methylheptane	0.12	0.10	0.12	0.12	0.07	0.10	
1-Octene	ND	0.07	0.03	0.03	0.02	0.03	
n-Octane	0.15	0.15	0.19	0.20	0.10	0.10	
Ethylbenzene	0.22	0.21	0.18	0.21	0.14	0.15	
m-Xylene/p-Xylene	0.86	0.55	0.60	0.64	0.40	0.49	
Styrene	0.06	0.21	0.03	0.15	0.13	0.13	
o-Xylene	0.60	0.24	0.25	0.26	0.17	0.19	
1-Nonene	0.06	0.05	0.03	ND	0.02	ND	
n-Nonane	0.10	0.09	0.09	0.09	0.06	0.06	
Isopropylbenzene	0.05	0.06	0.05	0.05	0.03	0.05	
α-Pinene	0.09	0.09	ND	ND	ND	0.09	
n-Propylbenzene	0.06	0.07	0.04	0.05	0.07	0.04	
m-Ethyltoluene	0.17	0.13	0.11	0.12	0.13	0.12	
p-Ethyltoluene	0.10	0.11	0.08	0.09	0.13	0.11	
1,3,5-Trimethylbenzene	0.07	0.11	0.11	0.07	0.05	0.08	
o-Ethyltoluene	0.12	0.09	0.08	0.09	0.08	0.09	
β-Pinene	ND	0.09	0.06	ND	ND	ND	
1,2,4-Trimethylbenzene	0.42	0.21	0.18	0.18	0.18	0.18	
1-Decene	ND	ND	ND	ND	ND	ND	
n-Decane	0.15	0.16	0.19	0.18	0.12	0.12	
1,2,3-Trimethylbenzene	0.10	0.14	0.08	0.08	0.19	0.13	
m-Diethylbenzene	0.10	0.15	0.16	0.12	0.36	0.31	
p-Diethylbenzene	0.08	0.06	0.04	0.04	0.11	0.06	
1-Undecene	ND	0.04	0.09	0.09	0.08	0.05	
n-Undecane	0.33	0.29	0.55	0.51	0.36	0.28	
1-Dodecene	ND	0.03	0.02	0.02	0.02	0.02	U
n-Dodecane	0.05	U	0.30	0.30	0.08	0.07	
1-Tridecene	ND	0.02	ND	ND	ND	ND	
n-Tridecane	ND	ND	0.05	0.06	0.02	ND	
TNMOC (speciated) in ppbv	30.90	30.48	35.56	35.00	27.64	28.19	
TNMOC (w/ unknowns) in ppbC	197.58	223.97	221.05	219.17	299.04	210.91	

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(Reported in ppbV)

Sample No.:	SLCU 29049	SLCU 29149	SLCU 29151	SLCU 29283	SLCU 29320	SLCU 29525 D1	SLCU 29525 R1		
Sampling Date:	7/25/2002	7/31/2002	8/6/2002	8/12/2002	8/18/2002	8/24/2002	8/24/2002		
Analysis Date:	8/14/2002	8/16/2002	9/1/2002	9/4/2002	9/12/2002	9/17/2002	9/19/2002		
Filename:	L2HM015	L2HO013	L2H%020	L2ID007	L2IK017	L2IQ012	L2IS005		
Ethylene	1.50	3.71	1.85	4.97	4.61	3.60	3.58		
Acetylene	0.79	2.07	1.00	4.11	3.63	2.12	3.74		
Ethane	1.41	2.03	1.23	2.77	3.61	2.60	2.28		
Propylene	0.55	1.34	0.65	1.51	1.41	1.19	1.20		
Propane	2.15	4.33	2.41	6.68	7.05	3.37	3.53		
Propyne	ND	ND	ND	ND	ND	ND	ND		
Isobutane	0.50	1.00	0.55	1.40	1.81	1.07	1.08		
Isobutene/1-Butene	0.48	1.08	0.52	0.86	0.82	0.84	0.87		
1,3-Butadiene	ND	0.10	0.06	U	0.18	0.13	0.15		
n-Butane	1.30	2.32	1.49	3.25	4.07	2.71	2.76		
trans-2-Butene	0.18	0.23	0.18	0.31	0.29	0.20	0.25		
cis-2-Butene	0.23	0.28	0.21	0.35	0.33	0.27	0.28		
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND		
Isopentane	1.54	7.75	5.60	5.00	5.42	3.18	3.19		
1-Pentene	ND	0.06	0.04	0.23	0.19	0.21	0.23		
2-Methyl-1-butene	0.11	0.33	0.20	0.47	0.51	0.30	0.22		
n-Pentane	1.05	1.79	1.04	3.70	3.79	1.86	1.83		
Isoprene	0.19	0.33	0.31	0.76	0.35	0.24	0.25		
trans-2-Pentene	0.17	0.30	0.18	0.38	0.38	0.26	0.27		
cis-2-Pentene	0.16	0.21	0.16	0.25	0.25	0.20	0.20		
2-Methyl-2-butene	0.12	0.25	0.20	0.41	0.39	0.40	0.28		
2,2-Dimethylbutane	0.20	0.25	0.16	0.25	0.28	0.24	0.24		
Cyclopentene	ND	ND	0.05	0.07	0.13	0.07	0.08		
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND		
Cyclopentane	0.20	0.32	0.13	0.37	0.31	0.23	0.22		
2,3-Dimethylbutane	0.30	0.41	0.26	0.54	0.73	0.42	0.42		
2-Methylpentane	0.52	1.20	0.64	1.28	1.56	1.12	1.15		
3-Methylpentane	0.35	0.64	0.36	0.84	1.03	0.64	0.66		
2-Methyl-1-pentene	ND	ND	ND	ND	0.06	ND	0.04	U	
1-Hexene	0.19	0.23	0.17	0.21	0.16	0.16	0.15		
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND		
n-Hexane	0.39	0.77	0.43	1.12	1.29	0.77	0.80		
trans-2-Hexene	ND	ND	ND	0.05	0.07	ND	ND		
cis-2-Hexene	ND	ND	ND	ND	0.05	ND	ND		
Methylcyclopentane	0.22	0.54	0.23	0.62	0.70	0.42	0.44		
2,4-Dimethylpentane	0.22	0.28	0.17	0.38	0.71	0.33	0.32		
Benzene	0.48	0.82	0.44	1.06	1.44	0.78	0.82		
Cyclohexane	0.20	0.33	0.17	0.42	0.50	0.28	0.28		
2-Methylhexane	0.26	0.21	0.25	0.55	0.70	0.42	0.44		
2,3-Dimethylpentane	0.34	0.48	0.27	0.65	1.35	0.54	0.58		
3-Methylhexane	0.21	0.33	0.18	0.54	0.69	0.37	0.42		
1-Heptene	ND	0.06	0.05	ND	ND	ND	ND		
2,2,4-Trimethylpentane	0.32	0.50	0.28	0.81	2.11	0.77	0.77		
n-Heptane	0.19	0.26	0.13	0.39	0.57	0.28	0.26		
Methylcyclohexane	0.15	0.23	0.13	0.37	0.43	0.28	0.27		
2,2,3-Trimethylpentane	0.04	0.11	0.04	0.13	0.37	0.13	0.13		
2,3,4-Trimethylpentane	0.14	0.22	0.11	0.31	0.98	0.31	0.30		
Toluene	1.00	1.82	0.82	4.38	7.53	2.30	2.33		
2-Methylheptane	0.09	0.10	0.05	0.19	0.22	0.09	0.13		
3-Methylheptane	0.09	0.11	0.07	0.19	0.25	0.13	0.13		
1-Octene	ND	ND	0.03	ND	ND	ND	ND		
n-Octane	0.10	0.13	0.07	0.30	0.27	0.15	0.15		
Ethylbenzene	0.15	0.21	0.09	0.32	0.64	0.22	0.22		
m-Xylene/p-Xylene	0.33	0.66	0.26	1.17	2.46	0.77	0.77		
Styrene	0.09	0.14	0.19	0.09	0.07	0.09	0.08		
o-Xylene	0.13	0.27	0.12	0.48	0.97	0.30	0.31		
1-Nonene	ND	ND	0.03	U	ND	0.10	0.03	U	ND
n-Nonane	0.07	0.09	0.05	0.16	0.17	0.08	0.08		
Isopropylbenzene	0.06	0.06	0.04	0.05	0.06	0.05	0.04		
a-Pinene	0.06	0.18	0.09	0.09	0.15	ND	ND		
n-Propylbenzene	0.04	0.07	0.04	0.10	0.13	0.07	0.07		
m-Ethyltoluene	0.09	0.14	0.12	0.30	0.47	0.16	0.16		
p-Ethyltoluene	0.08	0.09	0.08	0.16	0.24	0.10	0.09		
1,3,5-Trimethylbenzene	0.04	0.07	0.06	0.18	0.27	0.11	0.10		
o-Ethyltoluene	ND	0.11	0.06	0.17	0.25	0.10	0.10		
b-Pinene	ND	0.04	0.16	0.05	0.07	0.03	ND		
1,2,4-Trimethylbenzene	0.11	0.22	0.13	0.35	0.66	0.25	0.24		
1-Decene	ND	ND	ND	ND	ND	ND	ND		
n-Decane	0.08	0.13	0.05	0.37	0.23	0.10	0.09		
1,2,3-Trimethylbenzene	0.05	0.13	0.13	0.15	0.23	0.08	0.09		
m-Diethylbenzene	ND	0.19	0.24	0.12	0.20	0.14	0.11		
p-Diethylbenzene	ND	0.05	0.08	0.09	0.08	0.04	0.02		
1-Undecene	ND	0.06	0.06	0.04	0.06	0.03	U	ND	
n-Undecane	0.07	0.16	0.17	1.71	0.47	0.13	0.12		
1-Dodecene	ND	0.02	U	ND	0.06	U	0.02	U	
n-Dodecane	0.05	U	0.05	0.03	U	1.49	0.11	0.03	U
1-Tridecene	ND	ND	ND	ND	ND	ND	ND		
n-Tridecane	0.03	U	ND	ND	0.06	U	0.03	U	ND
TNMOC (speciated) in ppbv	20.13	42.99	25.84	61.36	71.74	38.92	40.49		
TNMOC (w/ unknowns) in ppbC	255.82	316.31	195.92	382.84	465.91	266.76	266.74		

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(Reported in ppbV)

Sample No.:	SLCU 29528 D2	SLCU 29528 R2	SLCU 29657	SLCU 29746	SLCU 29880 D1	SLCU 29880 R1	SLCU 29882 D2
Sampling Date:	8/24/2002	8/24/2002	8/30/2002	9/5/2002	9/11/2002	9/11/2002	9/11/2002
Analysis Date:	9/19/2002	9/26/2002	9/23/2002	9/26/2002	10/11/2002	10/22/2002	10/11/2002
Filename:	L2IS006	L2IY016	L2IW005	L2IY019	L2JJ021	L2JV009	L2JJ022
Ethylene	3.42	3.36	2.36	2.11	4.67	4.58	4.60
Acetylene	2.21	2.15	1.16	0.96	3.04	2.92	3.04
Ethane	2.70	2.65	1.94	1.42	3.35	3.32	3.32
Propylene	1.10	1.07	0.76	0.75	1.38	1.36	1.37
Propane	3.58	3.56	2.49	1.12	3.24	3.27	3.50
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	1.11	1.12	0.61	0.40	1.33	1.19	1.36
Isobutene/1-Butene	0.67	0.73	0.58	0.53	0.83	0.80	0.81
1,3-Butadiene	ND	ND	0.07	0.06	U 0.18	0.16	0.17
n-Butane	2.41	1.75	1.97	1.06	3.28	2.82	3.38
trans-2-Butene	0.20	0.16	0.17	0.16	0.26	0.22	0.26
cis-2-Butene	0.29	0.26	0.24	0.20	0.30	0.29	0.33
3-Methyl-1-butene	ND	ND	ND	ND	ND	0.06	ND
Isopentane	3.43	3.47	2.13	1.32	4.42	4.11	4.42
1-Pentene	0.21	ND	0.07	0.06	ND	0.05	ND
2-Methyl-1-butene	0.21	0.21	0.16	0.09	0.26	0.25	0.25
n-Pentane	2.10	1.92	1.50	0.84	2.36	1.90	2.33
Isoprene	0.27	0.26	0.30	0.19	0.23	0.28	0.20
trans-2-Pentene	0.30	0.27	0.19	0.13	0.32	0.29	0.33
cis-2-Pentene	0.20	0.19	0.16	0.13	0.23	0.21	0.24
2-Methyl-2-butene	0.23	0.23	0.13	0.11	0.35	0.30	0.34
2,2-Dimethylbutane	0.22	0.21	0.17	0.14	0.25	0.23	0.26
Cyclopentene	0.08	0.09	0.08	ND	ND	ND	0.07
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.26	0.27	0.16	0.12	0.26	0.28	0.27
2,3-Dimethylbutane	0.44	0.43	0.29	0.21	0.44	0.53	0.50
2-Methylpentane	1.06	0.92	0.86	0.30	1.30	1.20	1.28
3-Methylpentane	0.66	0.73	0.47	0.43	0.84	0.91	0.87
2-Methyl-1-pentene	0.04	U 0.03	ND	ND	0.04	U ND	ND
1-Hexene	0.19	0.18	0.15	0.11	0.15	0.19	0.15
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.78	0.81	0.52	0.34	1.02	1.02	1.01
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	0.04	U ND	ND	ND	ND	ND	0.04
Methylcyclopentane	0.45	0.46	0.31	0.22	0.62	0.59	0.60
2,4-Dimethylpentane	0.34	0.35	0.27	0.19	0.38	0.37	0.39
Benzene	0.90	0.89	0.55	0.39	1.19	1.14	1.09
Cyclohexane	0.33	0.32	0.20	0.15	0.44	0.38	0.40
2-Methylhexane	0.37	0.35	0.25	0.15	0.33	0.48	0.35
2,3-Dimethylpentane	0.57	0.57	0.40	0.37	0.56	0.66	0.58
3-Methylhexane	0.41	0.62	0.23	0.50	0.09	0.59	0.08
1-Heptene	0.10	0.08	0.05	ND	ND	ND	ND
2,2,4-Trimethylpentane	0.73	0.73	0.41	0.31	0.87	0.85	0.89
n-Heptane	0.30	0.28	0.20	0.13	0.38	0.37	0.40
Methylcyclohexane	0.27	0.25	0.25	0.17	0.26	0.25	0.30
2,2,3-Trimethylpentane	0.13	0.10	0.07	0.04	0.13	0.13	0.13
2,3,4-Trimethylpentane	0.32	0.30	0.16	0.12	0.30	0.32	0.31
Toluene	3.18	3.11	1.29	0.94	3.21	3.25	3.30
2-Methylheptane	0.11	0.11	0.08	0.11	0.12	0.15	0.15
3-Methylheptane	0.14	0.13	0.11	0.08	0.14	0.18	0.15
1-Octene	0.06	0.07	ND	ND	0.04	ND	ND
n-Octane	0.16	0.16	0.17	0.09	0.18	0.18	0.04
Ethylbenzene	0.25	0.26	0.12	0.11	0.33	0.35	0.30
m-Xylene/p-Xylene	0.89	0.87	0.43	0.35	1.24	1.24	1.30
Styrene	0.19	0.13	0.10	ND	0.04	0.10	0.04
o-Xylene	0.34	0.34	0.18	0.13	0.45	0.44	0.45
1-Nonene	0.05	0.04	0.03	U ND	0.04	U 0.04	0.04
n-Nonane	0.09	0.10	0.10	0.06	0.12	0.10	0.12
Isopropylbenzene	0.05	0.05	0.05	0.05	0.03	U 0.04	0.05
à-Pinene	ND	ND	0.06	0.06	0.06	0.09	ND
n-Propylbenzene	0.08	0.08	0.06	0.07	0.09	0.08	0.08
m-Ethyltoluene	0.16	0.18	0.14	0.10	0.25	0.24	0.27
p-Ethyltoluene	0.11	0.11	0.09	0.07	0.13	0.13	0.14
1,3,5-Trimethylbenzene	0.12	0.11	0.08	0.05	0.15	0.14	0.16
o-Ethyltoluene	0.11	0.11	0.09	0.06	0.17	0.17	0.18
b-Pinene	0.05	0.04	0.08	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.27	0.28	0.19	0.14	0.37	0.35	0.41
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.13	0.12	0.17	0.07	0.18	ND	0.19
1,2,3-Trimethylbenzene	0.32	0.10	0.11	ND	ND	ND	0.16
m-Diethylbenzene	0.08	ND	0.08	0.10	0.10	0.07	0.11
p-Diethylbenzene	0.04	ND	0.07	0.03	0.08	0.05	0.08
1-Undecene	0.05	0.06	0.05	0.04	0.02	U 0.03	0.06
n-Undecane	0.20	0.25	0.37	0.06	0.19	0.20	0.23
1-Dodecene	0.02	U ND	ND	ND	0.02	U ND	0.02
n-Dodecane	0.04	U 0.12	0.09	0.05	U 0.05	U 0.06	0.08
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	0.02	U 0.03	U ND	ND	ND	ND
TNMOC (speciated) in ppbv	40.84	39.24	27.44	18.83	47.70	46.54	48.35
TNMOC (w/ unknowns) in ppbC	458.30	452.73	231.39	179.38	295.05	291.94	305.15

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Sample No.:	SLCU 29882 R2	SLCU 29910	SLCU 30018	SLCU 30061	SLCU 30146	SLCU 30233	SLCU 30276
Sampling Date:	9/11/2002	9/17/2002	9/23/2002	9/29/2002	10/5/2002	10/11/2002	10/17/2002
Analysis Date:	10/22/2002	10/16/2002	10/17/2002	10/18/2002	10/23/2002	10/25/2002	10/30/2002
Filename:	L2JV010	L2JP005	L2JQ009	L2JQ017	L2JV016	L2JX019	L2JS013
Ethylene	4.59	2.35	4.76	0.85	3.67	4.78	7.52
Acetylene	3.07	1.54	3.43	0.39	2.32	3.10	6.11
Ethane	3.26	2.55	3.58	1.16	2.85	3.19	5.46
Propylene	1.32	0.80	1.43	0.35	1.15	1.49	2.02
Propane	3.14	2.05	3.63	0.80	3.37	2.33	4.55
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	1.22	0.60	1.61	0.36	1.15	1.43	3.16
Isobutene/1-Butene	0.71	0.56	0.86	0.31	0.67	0.80	1.00
1,3-Butadiene	0.18	0.09	0.21	ND	0.14	0.18	0.22
n-Butane	2.92	1.28	3.51	0.85	2.49	2.99	5.26
trans-2-Butene	0.21	0.13	0.24	0.11	0.19	0.21	0.29
cis-2-Butene	0.29	0.17	0.28	0.18	0.22	0.25	0.39
3-Methyl-1-butene	0.07	ND	0.06	ND	0.05	U	0.07
Isopentane	4.13	1.79	4.08	1.74	2.68	3.22	5.52
1-Pentene	ND	0.04	U	0.07	ND	0.03	U
2-Methyl-1-butene	0.26	0.13	0.24	0.11	0.18	0.18	0.25
n-Pentane	2.09	1.05	2.02	0.96	1.49	1.59	2.70
Isoprene	0.26	0.16	0.39	0.13	0.15	0.24	0.32
trans-2-Pentene	0.32	0.14	0.26	0.16	0.20	0.27	0.34
cis-2-Pentene	0.21	0.11	0.18	0.13	0.16	0.17	0.26
2-Methyl-2-butene	0.31	0.10	0.26	0.16	0.22	0.22	0.32
2,2-Dimethylbutane	0.23	0.13	0.22	0.17	0.17	0.20	0.38
Cyclopentene	ND	ND	ND	ND	ND	ND	0.09
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.30	0.22	0.27	0.17	0.21	0.45	0.34
2,3-Dimethylbutane	0.48	0.24	0.45	0.26	0.33	0.38	0.64
2-Methylpentane	1.19	0.43	1.09	0.59	0.71	0.86	1.34
3-Methylpentane	0.85	0.56	1.07	0.47	0.53	0.75	1.02
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	ND	0.15	0.15	0.12	0.11	0.13	0.21
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.92	0.43	0.93	0.52	0.62	0.75	1.21
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.60	0.27	0.54	0.32	0.40	0.45	0.71
2,4-Dimethylpentane	0.37	0.17	0.34	0.17	0.23	0.27	0.44
Benzene	1.07	0.49	1.02	0.40	0.76	0.84	1.22
Cyclohexane	0.38	0.28	0.41	0.27	0.22	0.27	0.63
2-Methylhexane	0.47	0.28	0.52	0.36	0.20	0.22	1.74
2,3-Dimethylpentane	0.65	0.32	0.60	0.28	0.41	0.39	1.26
3-Methylhexane	0.58	0.26	0.15	0.04	0.39	ND	ND
1-Heptene	ND	ND	ND	ND	ND	0.08	0.21
2,2,4-Trimethylpentane	0.90	0.42	0.78	0.30	0.52	0.51	0.86
n-Heptane	0.36	0.18	0.36	0.19	0.24	0.27	0.99
Methylcyclohexane	0.27	0.13	0.26	0.14	0.14	0.23	0.52
2,2,3-Trimethylpentane	0.14	0.04	0.11	0.04	0.10	0.09	0.16
2,3,4-Trimethylpentane	0.32	0.14	0.27	0.14	0.20	0.23	0.38
Toluene	3.03	1.24	2.66	1.20	1.84	2.03	8.37
2-Methylheptane	0.14	0.14	0.16	0.11	0.11	0.13	0.21
3-Methylheptane	0.15	0.10	0.19	0.13	0.14	0.10	0.25
1-Octene	ND	0.06	ND	ND	ND	ND	ND
n-Octane	0.17	0.13	0.18	0.12	0.12	0.13	0.39
Ethylbenzene	0.29	0.15	0.30	0.12	0.22	0.22	0.43
m-Xylene/p-Xylene	1.09	0.56	1.15	0.39	0.74	0.84	1.50
Styrene	0.08	0.15	0.07	0.03	0.06	0.09	0.17
o-Xylene	0.45	0.20	0.46	0.16	0.29	0.30	0.64
1-Nonene	ND	0.03	U	0.04	ND	0.05	ND
n-Nonane	0.10	0.10	0.12	0.06	0.07	0.09	0.30
Isopropylbenzene	0.04	0.04	0.05	0.09	0.04	0.06	0.14
α-Pinene	0.10	0.05	0.06	ND	0.07	ND	0.09
n-Propylbenzene	0.08	0.08	0.11	0.06	0.07	0.10	0.16
m-Ethyltoluene	0.24	0.17	0.30	0.15	0.21	0.22	0.39
p-Ethyltoluene	0.14	0.09	0.15	0.07	0.12	0.13	0.27
1,3,5-Trimethylbenzene	0.13	0.06	0.16	0.06	0.10	0.12	0.35
o-Ethyltoluene	0.16	0.07	0.18	ND	0.13	0.10	0.28
β-Pinene	ND	ND	ND	ND	0.09	ND	ND
1,2,4-Trimethylbenzene	0.36	0.20	0.41	0.03	0.28	0.30	0.57
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	ND	0.29	0.07	0.16	0.02	0.15	0.50
1,2,3-Trimethylbenzene	ND	0.10	0.16	ND	0.14	0.15	0.18
m-Diethylbenzene	0.06	0.11	0.13	0.03	0.08	0.15	0.08
p-Diethylbenzene	0.04	0.07	0.10	0.06	0.11	0.07	0.09
1-Undecene	0.03	U	0.05	0.06	0.06	0.07	0.02
n-Undecane	0.20	0.35	0.27	0.28	0.33	0.31	0.31
1-Dodecene	ND	0.04	U	ND	ND	ND	ND
n-Dodecane	0.07	0.13	0.07	0.15	0.09	0.09	0.08
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	ND	ND	ND	ND
TNMOC (speciated) in ppbv	45.78	25.53	48.23	17.29	35.33	40.10	75.93
TNMOC (w/ unknowns) in ppbC	290.84	210.09	303.97	155.08	247.30	272.60	454.28

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(Reported in ppbV)

Sample No.:	SLCU 30313	SLCU 30359 D1	SLCU 30359 R1	SLCU 30361 D2	SLCU 30361 R2	SLCU 30448	SLCU 30595
Sampling Date:	10/23/2002	10/23/2002	10/23/2002	10/23/2002	10/23/2002	10/29/2002	11/4/2002
Analysis Date:	11/23/2002	11/23/2002	11/27/2002	11/23/2002	11/27/2002	11/26/2002	
Filename:	VOID	L2KV020	L2KZ016	L2KV021	L2KZ017	L2KZ010	VOID
Ethylene		7.47	7.79	7.67	7.91	6.32	
Acetylene		6.28	6.41	6.33	6.43	5.51	
Ethane		4.94	5.40	5.30	5.53	8.19	
Propylene		1.57	1.80	1.68	1.68	1.37	
Propane		3.29	3.81	3.43	3.52	4.83	
Propyne		ND	ND	ND	ND	ND	
Isobutane		1.69	1.96	1.72	1.85	1.56	
Isobutene/1-Butene		0.76	0.93	0.89	0.92	0.63	
1,3-Butadiene		0.26	0.27	0.22	0.24	0.14	
n-Butane		3.49	3.80	3.50	3.60	2.58	
trans-2-Butene		0.16	0.24	0.17	0.22	0.16	
cis-2-Butene		0.20	0.44	0.19	0.33	0.16	
3-Methyl-1-butene		0.06	ND	0.06	0.07	0.04	U
Isopentane		3.39	3.74	3.68	3.59	2.32	
1-Pentene		ND	ND	ND	ND	0.05	
2-Methyl-1-butene		0.21	0.20	0.19	0.23	0.18	
n-Pentane		1.61	1.74	1.57	1.69	1.33	
Isoprene		0.19	0.18	0.14	0.15	0.10	
trans-2-Pentene		0.20	0.24	0.16	0.22	0.19	
cis-2-Pentene		0.13	0.19	0.11	0.19	0.16	
2-Methyl-2-butene		0.26	0.28	0.25	0.28	0.21	
2,2-Dimethylbutane		0.17	0.27	0.20	0.26	0.20	
Cyclopentene		0.04	U	0.07	0.07	0.05	
4-Methyl-1-pentene		ND	ND	ND	ND	ND	
Cyclopentane		0.25	0.32	0.22	0.28	0.25	
2,3-Dimethylbutane		0.38	0.50	0.65	0.51	0.36	
2-Methylpentane		1.07	1.17	1.17	1.14	0.80	
3-Methylpentane		0.74	0.85	0.76	0.83	0.56	
2-Methyl-1-pentene		0.13	0.10	ND	0.43	0.21	
1-Hexene		0.10	0.21	0.09	0.18	0.17	
2-Ethyl-1-butene		ND	ND	ND	ND	ND	
n-Hexane		0.96	1.09	1.04	1.07	0.71	
trans-2-Hexene		ND	ND	ND	ND	ND	
cis-2-Hexene		ND	ND	ND	ND	ND	
Methylcyclopentane		0.54	0.61	0.69	0.63	0.44	
2,4-Dimethylpentane		0.29	0.37	0.32	0.36	0.27	
Benzene		1.04	1.12	1.26	1.08	0.71	
Cyclohexane		0.33	0.42	0.32	0.40	0.31	
2-Methylhexane		0.61	0.31	0.59	0.68	0.18	
2,3-Dimethylpentane		0.66	0.79	0.62	0.61	0.38	
3-Methylhexane		0.49	0.63	0.58	0.64	0.44	
1-Heptene		0.16	ND	0.15	0.13	0.10	
2,2,4-Trimethylpentane		0.83	0.95	0.87	0.94	0.64	
n-Heptane		0.45	0.47	0.47	0.47	0.26	
Methylcyclohexane		0.34	0.36	0.36	0.37	0.22	
2,2,3-Trimethylpentane		0.14	ND	0.18	ND	ND	
2,3,4-Trimethylpentane		0.29	0.33	0.33	0.35	0.25	
Toluene		2.94	3.48	3.68	3.78	2.01	
2-Methylheptane		0.12	0.18	0.14	0.19	0.12	
3-Methylheptane		0.13	0.18	0.18	0.22	0.16	
1-Octene		ND	ND	ND	ND	ND	
n-Octane		0.16	0.22	0.25	0.30	0.16	
Ethylbenzene		0.35	0.40	0.55	0.67	0.22	
m-Xylene/p-Xylene		1.36	1.59	1.98	2.24	0.89	
Styrene		0.15	0.18	0.19	0.17	0.05	
o-Xylene		0.51	0.58	0.73	0.73	0.36	
1-Nonene		0.04	U	0.06	0.05	ND	
n-Nonane		0.12	0.17	0.38	0.44	0.12	
Isopropylbenzene		0.03	U	0.09	0.15	0.09	
α-Pinene		0.07	0.09	0.18	0.20	0.05	
n-Propylbenzene		0.08	0.11	0.14	0.18	0.06	
m-Ethyltoluene		0.32	0.42	0.58	0.66	0.21	
p-Ethyltoluene		0.14	0.19	0.30	0.37	0.12	
1,3,5-Trimethylbenzene		0.19	0.24	0.46	0.55	0.11	
o-Ethyltoluene		0.13	0.18	0.14	0.23	0.11	
β-Pinene		0.03	U	0.11	ND	ND	
1,2,4-Trimethylbenzene		0.44	0.56	0.79	0.83	0.30	
1-Decene		ND	ND	ND	ND	ND	
n-Decane		0.18	0.27	0.91	0.79	0.11	
1,2,3-Trimethylbenzene		0.16	0.16	0.09	0.18	0.14	
m-Diethylbenzene		ND	0.08	0.05	0.06	0.02	U
p-Diethylbenzene		ND	0.06	ND	0.09	0.05	
1-Undecene		ND	0.08	0.05	0.06	0.04	
n-Undecane		0.27	0.32	0.49	0.50	0.13	
1-Dodecene		ND	ND	ND	ND	ND	
n-Dodecane		0.21	0.20	0.29	0.28	0.05	U
1-Tridecene		ND	ND	ND	ND	ND	
n-Tridecane		ND	ND	ND	ND	ND	
TNMOC (speciated) in ppbv		54.29	60.35	61.01	64.00	49.23	
TNMOC (w/ unknowns) in ppbC		998.86	1139.42	1095.36	1142.64	266.26	

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(Reported in ppbV)

Sample No.:	SLCU 30663	SLCU 30763	SLCU 30883	SLCU 30941 D1	SLCU 30941 R1	SLCU 30943 D2	SLCU 30943 R2
Sampling Date:	11/10/2002	11/16/2002	11/22/2002	11/28/2002	11/28/2002	11/28/2002	11/28/2002
Analysis Date:	12/14/2002	12/14/2002	12/18/2002	12/20/2002	12/23/2002	12/20/2002	12/23/2002
Filename:	N2LM011	N2LM023	N2LQ014	N2LT013	N2LW005	N2LT014	N2LW006
Ethylene	2.71	3.07	13.66	9.88	9.72	9.99	9.74
Acetylene	2.81	2.50	13.00	9.95	9.71	10.11	9.41
Ethane	3.32	2.94	10.07	8.81	8.51	8.75	9.06
Propylene	0.72	0.94	3.75	2.45	2.12	2.39	2.32
Propane	1.93	1.94	9.08	8.08	7.90	8.03	7.95
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.98	1.16	8.23	5.98	5.89	5.97	6.01
Isobutene/1-Butene	0.52	0.74	1.84	1.18	1.18	1.17	1.17
1,3-Butadiene	0.10	0.10	0.63	0.35	0.41	0.44	0.36
n-Butane	1.77	2.00	13.00	9.31	9.36	9.17	9.10
trans-2-Butene	0.10	0.12	0.54	0.31	0.41	0.33	0.33
cis-2-Butene	0.07	0.17	0.47	0.29	0.28	0.29	0.28
3-Methyl-1-butene	0.03	U	0.04	U	0.08	0.09	0.09
Isopentane	1.42	1.56	9.20	5.51	5.47	5.42	5.33
1-Pentene	0.28	0.17	0.37	0.20	0.27	0.20	0.21
2-Methyl-1-butene	0.11	0.11	0.55	0.28	0.29	0.28	0.30
n-Pentane	0.79	0.83	4.75	2.98	3.00	2.95	2.91
Isoprene	0.08	0.06	0.23	0.15	0.18	0.15	0.15
trans-2-Pentene	0.15	0.13	0.54	0.34	0.31	0.31	0.33
cis-2-Pentene	0.09	0.09	0.32	0.22	0.18	0.19	0.21
2-Methyl-2-butene	0.11	0.12	0.79	0.46	0.43	0.42	0.45
2,2-Dimethylbutane	0.08	0.09	0.33	0.18	0.20	0.19	0.19
Cyclopentene	0.05	ND	0.13	0.09	0.09	0.12	0.10
4-Methyl-1-pentene	ND	ND	ND	0.02	U	ND	U
Cyclopentane	0.08	0.10	0.51	0.26	0.27	0.25	0.25
2,3-Dimethylbutane	0.16	0.16	0.83	0.48	0.50	0.48	0.47
2-Methylpentane	0.38	0.46	2.54	1.56	1.47	1.54	1.51
3-Methylpentane	0.29	0.40	1.61	1.02	0.99	1.02	1.01
2-Methyl-1-pentene	ND	ND	0.10	0.06	0.06	0.06	0.05
1-Hexene	0.06	0.13	0.10	0.07	0.12	0.08	0.09
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.37	0.39	2.33	1.50	1.56	1.51	1.50
trans-2-Hexene	ND	ND	0.14	0.08	0.09	0.11	0.08
cis-2-Hexene	ND	ND	ND	ND	0.02	U	ND
Methylcyclopentane	0.21	0.23	1.19	0.73	0.73	0.74	0.73
2,4-Dimethylpentane	0.13	0.14	0.67	0.39	0.40	0.39	0.39
Benzene	0.61	0.69	2.88	1.94	1.90	1.94	1.92
Cyclohexane	0.13	0.12	0.64	0.38	0.38	0.39	0.37
2-Methylhexane	0.26	0.27	1.07	0.67	0.68	0.68	0.66
2,3-Dimethylpentane	0.20	0.22	1.28	0.75	0.71	0.66	0.71
3-Methylhexane	0.21	0.30	1.08	0.67	0.65	0.63	0.62
1-Heptene	0.03	U	0.04	ND	ND	ND	ND
2,2,4-Trimethylpentane	0.29	0.34	1.86	1.05	1.04	1.05	1.04
n-Heptane	0.17	0.20	1.00	0.61	0.61	0.61	0.61
Methylcyclohexane	0.10	0.11	0.59	0.37	0.38	0.39	0.36
2,2,3-Trimethylpentane	0.05	0.07	0.40	0.22	0.21	0.21	0.22
2,3,4-Trimethylpentane	0.12	0.11	0.62	0.34	0.33	0.34	0.35
Toluene	1.24	1.38	7.63	4.74	4.70	4.74	4.69
2-Methylheptane	0.05	0.07	0.31	0.17	0.17	0.19	0.18
3-Methylheptane	0.06	0.08	0.32	0.19	0.21	0.21	0.21
1-Octene	ND	0.03	0.21	0.03	ND	0.07	ND
n-Octane	0.08	0.11	0.40	0.24	0.26	0.27	0.26
Ethylbenzene	0.14	0.17	0.92	0.57	0.60	0.59	0.58
m-Xylene/p-Xylene	0.61	0.63	3.56	2.27	2.23	2.26	2.24
Styrene	0.04	0.01	0.35	0.13	0.13	0.14	0.13
o-Xylene	0.24	0.23	1.24	0.81	0.78	0.80	0.79
1-Nonene	0.05	0.04	U	0.13	0.13	0.12	0.12
n-Nonane	0.04	0.06	0.20	0.15	0.16	0.16	0.16
Isopropylbenzene	0.07	0.02	U	0.02	U	0.02	U
α-Pinene	ND	ND	ND	0.03	U	0.03	0.03
n-Propylbenzene	0.07	0.04	0.18	0.11	0.11	0.13	0.11
m-Ethyltoluene	0.21	0.10	0.69	0.40	0.40	0.42	0.41
p-Ethyltoluene	0.08	0.05	0.31	0.19	0.18	0.19	0.18
1,3,5-Trimethylbenzene	0.07	0.04	0.34	0.21	0.21	0.20	0.20
o-Ethyltoluene	0.07	0.05	0.22	0.14	0.13	0.14	0.14
β-Pinene	0.08	ND	0.05	0.04	0.03	0.04	0.03
1,2,4-Trimethylbenzene	0.24	0.11	0.99	0.58	0.58	0.60	0.58
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.12	0.05	0.25	0.17	0.16	0.20	0.17
1,2,3-Trimethylbenzene	0.17	0.04	0.23	0.13	0.13	0.13	0.14
m-Diethylbenzene	0.05	ND	0.07	0.02	U	0.02	U
p-Diethylbenzene	0.22	ND	0.11	0.05	0.05	0.06	0.06
1-Undecene	0.08	ND	ND	ND	0.04	ND	0.04
n-Undecane	0.23	0.03	0.26	0.20	0.20	0.23	0.24
1-Dodecene	ND	ND	ND	ND	ND	ND	ND
n-Dodecane	0.03	U	ND	0.03	U	0.04	U
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	ND	ND	ND	ND	ND	ND	ND
TNMOC (speciated) in ppbv	26.38	26.68	132.13	92.00	90.77	92.04	90.69
TNMOC (w/ unknowns) in ppbC	202.58	195.32	739.63	453.85	448.16	449.35	451.38

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Sample No.:	SLCU 31004	SLCU 31126	SLCU 31128	SLCU 31340	SLCU 31447
Sampling Date:	12/4/2002	12/10/2002	12/16/2002	12/22/2002	12/28/2002
Analysis Date:	1/2/2003	1/8/2003	1/11/2003	1/13/2003	1/13/2003
Filename:	L3AB014	L3AH007	N3AJ017	L3AM013	L3AM014
Ethylene	14.86	10.08	2.50	2.37	0.92
Acetylene	13.02	9.17	1.49	2.41	0.97
Ethane	13.07	12.69	2.65	4.84	2.84
Propylene	3.52	2.68	0.86	0.62	0.31
Propane	5.48	9.42	1.54	2.83	1.39
Propyne	ND	ND	ND	ND	ND
Isobutane	5.81	8.81	0.91	1.01	0.63
Isobutene/1-Butene	3.37	1.31	1.32	0.26	0.25
1,3-Butadiene	0.47	0.25	0.06	U	0.07
n-Butane	11.13	12.26	2.00	2.03	1.47
trans-2-Butene	0.65	0.26	0.09	0.06	0.05
cis-2-Butene	0.69	0.31	0.09	0.08	ND
3-Methyl-1-butene	0.16	0.12	0.03	U	ND
Isopentane	8.63	6.58	1.17	1.16	0.78
1-Pentene	0.52	0.28	0.19	0.18	0.07
2-Methyl-1-butene	0.60	0.33	0.13	0.09	0.05
n-Pentane	4.79	3.40	0.60	0.63	0.45
Isoprene	0.29	0.09	0.10	0.07	0.09
trans-2-Pentene	0.59	0.35	0.08	0.06	0.05
cis-2-Pentene	0.30	0.15	0.03	U	0.04
2-Methyl-2-butene	0.83	0.39	ND	0.09	0.06
2,2-Dimethylbutane	0.29	0.21	0.05	0.05	ND
Cyclopentene	0.20	0.12	0.06	0.05	0.04
4-Methyl-1-pentene	ND	ND	ND	ND	ND
Cyclopentane	0.52	0.65	0.10	0.13	0.11
2,3-Dimethylbutane	0.76	0.51	0.10	0.09	0.07
2-Methylpentane	2.49	1.67	0.75	0.31	0.17
3-Methylpentane	2.26	1.37	0.20	0.25	0.11
2-Methyl-1-pentene	0.17	0.07	0.04	U	ND
1-Hexene	0.25	0.08	0.13	0.04	ND
2-Ethyl-1-butene	ND	ND	ND	ND	ND
n-Hexane	2.43	1.55	0.28	0.33	0.21
trans-2-Hexene	0.06	ND	ND	ND	ND
cis-2-Hexene	ND	ND	0.12	ND	ND
Methylcyclopentane	1.30	0.84	0.45	0.16	0.09
2,4-Dimethylpentane	0.71	0.44	0.16	0.07	0.04
Benzene	2.92	1.91	0.42	0.49	0.40
Cyclohexane	0.77	0.52	0.10	0.13	0.06
2-Methylhexane	1.13	0.84	1.10	0.08	0.03
2,3-Dimethylpentane	1.73	0.89	0.22	0.12	0.07
3-Methylhexane	3.19	0.73	6.05	0.19	0.13
1-Heptene	0.23	ND	0.08	0.03	U
2,2,4-Trimethylpentane	1.49	1.07	0.25	0.15	0.12
n-Heptane	0.92	0.62	0.11	0.11	0.07
Methylcyclohexane	0.86	0.57	0.31	0.07	0.03
2,2,3-Trimethylpentane	0.25	0.17	0.09	0.03	U
2,3,4-Trimethylpentane	0.51	0.32	0.07	0.06	0.04
Toluene	6.07	4.20	0.92	0.82	0.53
2-Methylheptane	0.37	0.24	0.31	0.04	ND
3-Methylheptane	0.27	0.20	0.03	0.02	ND
1-Octene	0.03	U	ND	ND	ND
n-Octane	0.31	0.36	0.09	0.05	0.03
Ethylbenzene	0.65	0.52	0.10	0.09	0.05
m-Xylene/p-Xylene	2.57	1.85	0.83	0.31	0.20
Styrene	2.14	ND	9.34	0.03	ND
o-Xylene	0.95	0.65	0.23	0.11	0.07
1-Nonene	0.08	0.04	0.06	ND	ND
n-Nonane	0.20	0.22	0.04	0.03	ND
Isopropylbenzene	0.02	U	0.08	0.22	ND
α-Pinene	1.02	0.15	0.61	0.04	ND
n-Propylbenzene	0.23	0.12	0.16	0.04	0.03
m-Ethyltoluene	0.53	0.34	0.09	0.08	0.06
p-Ethyltoluene	0.26	0.19	0.16	0.05	0.06
1,3,5-Trimethylbenzene	0.27	0.21	0.03	0.04	0.02
o-Ethyltoluene	0.28	0.18	0.25	0.04	0.02
β-Pinene	0.99	0.04	ND	0.06	0.08
1,2,4-Trimethylbenzene	0.77	0.46	0.29	0.09	0.07
1-Decene	ND	ND	ND	ND	ND
n-Decane	0.23	0.27	0.08	0.04	0.04
1,2,3-Trimethylbenzene	0.23	0.16	0.16	0.08	0.07
m-Diethylbenzene	ND	0.06	0.20	0.05	0.03
p-Diethylbenzene	ND	0.04	0.06	0.04	0.04
1-Undecene	0.06	0.05	ND	ND	ND
n-Undecane	0.44	0.37	0.18	0.13	0.10
1-Dodecene	0.06	U	ND	ND	ND
n-Dodecane	0.07	0.05	U	0.02	U
1-Tridecene	ND	ND	0.01	U	ND
n-Tridecane	ND	ND	0.01	U	ND
TNMOC (speciated) in ppbv	133.32	105.16	41.54	24.13	13.71
TNMOC (w/ unknowns) in ppbC	950.65	547.91	622.13	172.15	110.08

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Sample No.:	SLMO 24976	SLMO 25105	SLMO 25196	SLMO 25337	SLMO 25477 D1	SLMO 25477 R1	SLMO 25478 D2	
Sampling Date:	1/2/2002	1/8/2002	1/14/2002	1/20/2002	1/26/2002	1/26/2002	1/26/2002	
Analysis Date:	1/25/2002	1/25/2002	1/26/2002	1/29/2002	2/6/2002	2/8/2002	2/6/2002	
Filename:	L2AX 016	L2AY007	L2AY017	L2A#014	L2BE021	L2BH008	L2BE022	
Ethylene	7.19	7.40	4.21	6.37	5.41	5.02	5.43	
Acetylene	5.69	5.77	3.58	4.95	4.89	4.40	4.75	
Ethane	14.27	17.80	12.31	14.77	14.63	14.10	13.91	
Propylene	1.93	2.35	1.24	1.97	1.76	1.50	1.58	
Propane	9.11	12.11	7.22	8.29	16.78	7.59	7.30	
Propyne	ND	ND	ND	ND	ND	ND	ND	
Isobutane	2.94	3.88	2.60	2.77	3.50	3.17	3.21	
Isobutene/1-Butene	1.95	2.55	1.63	1.79	1.56	1.81	2.15	
1,3-Butadiene	0.33	0.45	0.23	U 0.42	0.35	0.23	U 0.36	
n-Butane	6.52	10.76	6.20	7.13	9.16	8.29	8.58	
trans-2-Butene	0.33	0.44	0.31	0.32	0.42	0.36	0.41	
cis-2-Butene	0.46	0.57	0.46	0.51	0.58	0.43	0.52	
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND	
Isopentane	5.24	8.28	4.52	5.68	7.21	6.83	7.11	
1-Pentene	0.39	0.42	0.31	0.42	0.38	0.39	0.45	
2-Methyl-1-butene	0.26	0.39	0.22	U 0.32	0.33	0.30	0.42	
n-Pentane	2.49	4.10	2.43	2.74	4.97	4.67	3.57	
Isoprene	0.38	0.66	0.33	0.32	0.44	0.50	0.47	
trans-2-Pentene	0.50	0.70	0.40	0.51	0.58	0.54	0.59	
cis-2-Pentene	0.47	0.53	0.41	0.41	0.43	0.42	0.46	
2-Methyl-2-butene	0.65	0.77	0.65	0.79	0.57	0.58	0.59	
2,2-Dimethylbutane	0.66	0.91	0.61	0.77	0.80	0.93	0.86	
Cyclopentene	ND	ND	ND	ND	ND	ND	ND	
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND	
Cyclopentane	0.49	0.68	0.47	0.47	0.61	0.67	0.69	
2,3-Dimethylbutane	0.84	1.14	0.78	0.81	0.88	0.92	0.96	
2-Methylpentane	2.02	3.19	1.66	2.56	2.19	2.13	2.35	
3-Methylpentane	1.57	2.30	1.25	1.57	1.65	1.60	1.78	
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND	
1-Hexene	0.63	0.62	0.57	0.66	0.55	0.51	0.58	
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND	
n-Hexane	1.80	2.58	1.48	1.66	1.79	1.71	1.91	
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND	
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND	
Methylcyclopentane	1.10	1.53	0.93	0.96	1.02	1.01	1.12	
2,4-Dimethylpentane	0.61	0.75	0.52	0.62	0.61	0.57	0.61	
Benzene	2.59	3.00	1.95	2.52	2.22	2.17	2.35	
Cyclohexane	0.73	1.13	0.66	0.65	0.91	0.93	0.88	
2-Methylhexane	1.57	1.91	1.29	1.58	1.65	1.50	1.70	
2,3-Dimethylpentane	1.23	1.20	0.84	1.02	1.13	1.04	1.16	
3-Methylhexane	1.49	1.51	0.97	3.84	1.03	1.18	1.31	
1-Heptene	ND	ND	ND	0.33	ND	ND	ND	
2,2,4-Trimethylpentane	1.38	1.75	0.85	1.22	1.24	1.16	1.30	
n-Heptane	0.83	1.24	0.67	0.79	0.87	0.86	0.90	
Methylcyclohexane	0.77	1.41	0.66	0.92	0.89	1.02	0.72	
2,2,3-Trimethylpentane	0.15	U 0.25	ND	ND	ND	ND	0.18	U
2,3,4-Trimethylpentane	0.51	0.74	0.38	0.48	0.51	0.44	0.52	
Toluene	6.38	9.81	4.71	5.84	6.02	5.98	6.48	
2-Methylheptane	0.37	0.46	0.30	0.32	0.43	0.41	0.45	
3-Methylheptane	0.36	0.52	0.30	0.38	0.34	0.40	0.48	
1-Octene	ND	ND	ND	0.27	ND	ND	ND	
n-Octane	0.52	0.67	0.41	0.52	0.46	0.50	0.49	
Ethylbenzene	2.59	2.34	1.91	2.34	1.35	1.46	1.49	
m-Xylene/p-Xylene	9.45	8.53	7.27	8.01	5.44	5.64	5.58	
Styrene	0.23	0.36	0.42	7.33	0.16	0.31	0.22	
o-Xylene	3.06	2.98	2.46	2.85	1.82	1.96	2.00	
1-Nonene	ND	ND	ND	0.20	U ND	ND	ND	
n-Nonane	0.52	0.57	0.42	0.50	0.45	0.49	1.24	
Isopropylbenzene	0.58	0.83	0.64	0.64	0.37	0.42	0.45	
α-Pinene	ND	ND	ND	ND	0.86	0.82	0.16	U
n-Propylbenzene	0.43	0.45	0.28	U 0.27	U 0.33	0.33	0.42	
m-Ethyltoluene	0.85	1.10	0.67	0.81	0.81	0.80	1.09	
p-Ethyltoluene	0.61	0.70	0.52	0.54	0.52	0.53	0.79	
1,3,5-Trimethylbenzene	0.52	0.70	0.52	0.53	0.53	0.51	0.88	
o-Ethyltoluene	ND	ND	ND	ND	ND	ND	ND	
β-Pinene	0.29	U ND	ND	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	1.37	1.66	1.18	1.37	1.20	1.25	1.70	
1-Decene	ND	ND	ND	ND	ND	ND	ND	
n-Decane	0.60	2.40	1.16	1.42	1.27	1.53	2.95	
1,2,3-Trimethylbenzene	0.30	0.43	0.31	0.34	0.24	0.31	0.46	
m-Diethylbenzene	ND	0.66	ND	ND	ND	ND	ND	
p-Diethylbenzene	ND	0.69	ND	ND	ND	0.40	ND	
1-Undecene	ND	1.42	0.18	U 0.41	1.02	0.96	1.42	
n-Undecane	0.64	10.58	2.09	4.67	9.74	9.63	13.36	
1-Dodecene	ND	ND	ND	ND	ND	ND	ND	
n-Dodecane	0.35	U 0.96	1.16	1.67	2.67	2.64	3.12	
1-Tridecene	ND	ND	ND	ND	ND	ND	ND	
n-Tridecane	ND	ND	0.16	U 0.47	U 0.47	U 0.42	U 0.54	U
TNMOC (speciated)	112.03	156.58	92.86	125.62	130.96	119.15	129.49	
TNMOC (w/ unknowns)	138.10	350.48	127.88	225.65	170.56	158.05	188.53	

U Under detection limit.

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Sample No.:	SLMO 25478 R2	SLMO 25619	SLMO 25672	SLMO 25823	SLMO 25982	SLMO 26101 D1	SLMO 26101 R1
Sampling Date:	1/26/2002	2/1/2002	2/7/2002	2/13/2002	2/19/2002	2/25/2002	2/25/2002
Analysis Date:	2/8/2002	2/28/2002	2/28/2002	3/1/2002	3/5/2002	3/6/2002	3/6/2002
Filename:	L2BH009	L2B-014	L2B1009	L2B1015	L2CE013	L2CE017	L2CF004
Ethylene	5.59	5.11	9.39	6.23	4.22	4.29	4.05
Acetylene	4.86	4.23	6.89	5.46	3.61	3.59	3.57
Ethane	14.02	12.04	19.57	15.99	9.93	11.12	10.97
Propylene	1.59	1.73	3.40	2.06	1.68	1.54	1.56
Propane	6.45	8.45	13.80	9.72	6.63	8.19	8.31
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	3.26	2.60	4.37	3.30	2.33	2.31	2.23
Isobutene/1-Butene	2.06	1.96	3.57	2.29	1.91	2.00	1.79
1,3-Butadiene	0.31	0.43	0.74	0.36	0.31	0.28	0.30
n-Butane	8.61	7.21	13.16	10.61	8.04	6.17	8.08
trans-2-Butene	0.44	0.43	0.80	0.52	0.48	0.38	0.35
cis-2-Butene	0.53	0.52	0.75	0.62	0.52	0.49	0.50
3-Methyl-1-butene	ND	ND	0.17	ND	ND	ND	ND
Isopentane	7.16	5.57	NR	7.00	5.87	4.71	4.48
1-Pentene	0.44	0.52	0.65	0.62	0.69	0.38	0.35
2-Methyl-1-butene	0.40	0.42	0.88	0.50	0.42	0.31	0.33
n-Pentane	3.45	2.67	3.86	3.07	2.61	2.90	2.90
Isoprene	0.47	0.70	0.64	0.74	0.37	0.42	0.57
trans-2-Pentene	0.59	0.55	0.86	0.70	0.67	0.53	0.50
cis-2-Pentene	0.47	0.45	0.65	0.56	0.50	0.42	0.47
2-Methyl-2-butene	0.75	0.70	0.99	0.97	0.81	0.65	0.68
2,2-Dimethylbutane	0.93	0.90	1.15	0.90	0.87	0.89	0.84
Cyclopentene	ND	ND	ND	ND	0.27	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.68	0.45	0.70	0.59	0.55	0.55	0.48
2,3-Dimethylbutane	1.01	0.89	1.08	0.95	0.99	0.79	0.81
2-Methylpentane	2.57	2.44	4.77	2.81	2.82	1.97	1.93
3-Methylpentane	1.89	1.63	2.45	1.86	1.75	1.38	1.32
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.51	0.64	0.75	0.70	0.65	0.70	0.66
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	2.00	1.99	2.82	2.33	2.01	1.59	1.57
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	1.17	1.06	2.09	1.16	1.06	0.92	0.90
2,4-Dimethylpentane	0.66	0.65	0.87	0.67	0.61	0.61	0.59
Benzene	2.34	2.86	4.15	2.88	2.55	2.25	2.20
Cyclohexane	0.93	0.77	0.87	0.82	0.82	1.14	1.10
2-Methylhexane	1.63	1.27	2.55	1.62	1.47	1.26	1.33
2,3-Dimethylpentane	1.10	1.02	1.31	1.20	0.97	0.96	0.97
3-Methylhexane	1.30	1.18	1.75	1.30	1.14	1.00	0.99
1-Heptene	ND	ND	0.48	ND	ND	ND	ND
2,2,4-Trimethylpentane	1.30	1.37	2.04	1.73	1.44	1.08	1.27
n-Heptane	0.87	0.86	1.27	0.92	1.02	0.76	0.72
Methylcyclohexane	0.80	0.79	1.08	0.97	0.84	0.84	0.88
2,2,3-Trimethylpentane	ND	0.15	0.37	ND	ND	ND	ND
2,3,4-Trimethylpentane	0.50	0.57	0.84	0.62	0.59	0.50	0.52
Toluene	6.54	6.59	9.74	6.63	6.39	6.40	6.45
2-Methylheptane	0.35	0.49	0.52	0.44	0.40	0.36	0.32
3-Methylheptane	0.50	0.45	0.70	0.45	0.48	0.37	0.38
1-Octene	ND	ND	ND	ND	ND	0.17	ND
n-Octane	0.61	0.56	0.84	0.58	0.65	0.46	0.52
Ethylbenzene	2.15	2.16	2.96	2.32	2.28	1.41	1.27
m-Xylene/p-Xylene	6.38	8.44	9.51	8.39	7.87	4.30	4.36
Styrene	0.57	0.33	0.56	0.36	0.88	0.58	0.66
o-Xylene	2.17	2.81	3.37	2.86	2.77	1.57	1.55
1-Nonene	ND	ND	ND	ND	0.18	ND	ND
n-Nonane	0.89	0.48	0.85	0.54	0.55	0.40	0.43
Isopropylbenzene	0.59	0.59	0.66	0.57	0.69	0.44	0.39
α-Pinene	ND	ND	0.15	ND	ND	0.45	0.47
n-Propylbenzene	0.46	0.28	0.51	0.33	0.38	0.27	0.25
m-Ethyltoluene	1.01	0.71	1.21	0.81	0.68	0.78	0.86
p-Ethyltoluene	0.67	0.47	0.75	0.55	0.46	0.33	0.37
1,3,5-Trimethylbenzene	0.71	0.70	0.85	0.57	0.48	0.34	0.39
o-Ethyltoluene	ND	ND	0.59	ND	ND	ND	ND
β-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	1.55	1.33	2.06	1.34	1.25	0.96	1.01
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	2.08	4.67	1.27	0.87	0.91	0.90	0.80
1,2,3-Trimethylbenzene	0.42	0.27	0.85	0.41	0.34	0.60	0.24
m-Diethylbenzene	ND	ND	ND	ND	ND	ND	ND
p-Diethylbenzene	0.50	ND	ND	ND	0.24	ND	0.16
1-Undecene	1.48	ND	ND	ND	ND	0.21	0.16
n-Undecane	13.13	23.80	0.99	0.69	1.71	2.55	2.73
1-Dodecene	ND	ND	0.17	0.23	0.58	0.39	ND
n-Dodecane	3.11	23.33	0.94	1.12	1.50	2.18	1.50
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	0.49	3.02	0.28	0.41	1.02	0.87	0.71
TNMOC (speciated)	129.97	159.18	158.82	125.74	106.66	97.15	95.00
TNMOC (w/ unknowns)	190.26	217.94	285.40	181.49	182.59	140.66	139.68

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Sample No.:	SLMO 26103 D2	SLMO 26103 R2	SLMO 26236	SLMO 26340	SLMO 26390	SLMO 26455	SLMO 26549	
Sampling Date:	2/25/2002	2/25/2002	3/3/2002	3/9/2002	3/15/2002	3/21/2002	3/27/2002	
Analysis Date:	3/6/2002	3/6/2002	3/13/2002	3/26/2002	3/28/2002	4/3/2002	4/5/2002	
Filename:	L2CE018	L2CF005	L2CM006	L2CY022	L2C-010	L2DB022	L2DE008	
Ethylene	4.18	4.17	3.23	2.32	3.87	4.45	7.25	
Acetylene	3.65	3.63	2.94	2.13	3.67	4.03	5.96	
Ethane	10.99	11.06	8.91	7.12	10.40	12.70	17.27	
Propylene	1.63	1.63	1.15	1.07	1.68	1.59	2.53	
Propane	8.70	8.64	6.34	4.73	8.65	8.24	11.76	
Propyne	ND	ND	ND	ND	ND	ND	ND	
Isobutane	2.44	2.32	1.77	1.42	2.91	2.41	3.07	
Isobutene/1-Butene	1.68	1.48	1.29	1.33	1.82	1.50	2.39	
1,3-Butadiene	0.37	0.25	U	ND	0.28	0.26	0.43	
n-Butane	6.33	6.24	3.87	3.60	6.39	5.54	8.39	
trans-2-Butene	0.35	0.36	0.31	0.29	0.36	0.38	0.55	
cis-2-Butene	0.45	0.45	0.40	0.36	0.47	0.41	0.70	
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND	
Isopentane	5.04	4.89	2.47	2.62	4.67	4.03	9.20	
1-Pentene	0.43	0.45	0.35	0.48	0.48	0.36	0.57	
2-Methyl-1-butene	0.33	0.29	ND	0.22	U	0.29	0.55	
n-Pentane	3.49	3.45	1.47	1.39	2.10	1.80	3.44	
Isoprene	0.45	0.45	0.33	0.28	0.41	0.39	0.51	
trans-2-Pentene	0.55	0.55	0.32	0.35	0.52	0.46	0.79	
cis-2-Pentene	0.46	0.48	0.36	0.38	0.47	0.43	0.61	
2-Methyl-2-butene	0.60	0.62	ND	0.52	0.54	0.90	0.94	
2,2-Dimethylbutane	0.72	0.76	0.59	0.61	0.85	0.75	1.02	
Cyclopentene	ND	ND	ND	ND	ND	ND	ND	
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND	
Cyclopentane	0.59	0.40	0.43	0.40	0.50	0.51	0.57	
2,3-Dimethylbutane	0.90	0.76	0.63	0.65	1.01	0.83	1.23	
2-Methylpentane	2.10	1.79	1.56	1.29	2.79	2.40	3.21	
3-Methylpentane	1.43	1.37	0.95	0.92	1.84	1.44	2.34	
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND	
1-Hexene	0.79	0.72	0.55	0.69	0.67	0.55	0.68	
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND	
n-Hexane	1.52	1.65	1.14	1.12	1.46	1.29	2.31	
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND	
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND	
Methylcyclopentane	0.91	0.94	0.78	0.57	0.93	0.82	1.49	
2,4-Dimethylpentane	0.65	0.65	0.48	0.52	0.62	0.65	0.87	
Benzene	2.26	2.29	1.91	1.54	2.31	2.16	2.91	
Cyclohexane	1.40	1.38	0.59	0.50	0.66	0.61	1.03	
2-Methylhexane	1.34	1.41	1.59	1.14	1.45	1.73	1.92	
2,3-Dimethylpentane	1.01	1.00	0.82	0.92	1.18	1.10	1.31	
3-Methylhexane	1.07	1.11	0.52	0.69	1.04	0.92	1.52	
1-Heptene	ND	ND	0.18	U	0.16	U	0.22	U
2,2,4-Trimethylpentane	1.34	1.46	0.77	0.83	1.40	1.34	2.17	
n-Heptane	0.77	0.76	0.65	0.53	0.81	0.72	1.09	
Methylcyclohexane	0.90	0.89	0.54	0.55	0.85	0.96	0.92	
2,2,3-Trimethylpentane	ND	ND	ND	ND	ND	ND	0.34	
2,3,4-Trimethylpentane	0.56	0.59	0.52	0.38	0.60	0.63	0.90	
Toluene	8.75	8.88	3.84	3.27	5.35	5.32	7.83	
2-Methylheptane	0.31	0.37	0.24	U	0.23	U	0.31	
3-Methylheptane	0.35	0.37	0.29	0.26	0.36	0.36	0.47	
1-Octene	0.18	U	0.19	U	0.20	0.25	ND	
n-Octane	0.57	0.55	0.47	0.39	0.51	0.51	0.63	
Ethylbenzene	1.38	1.41	1.70	1.42	1.97	1.78	1.78	
m-Xylene/p-Xylene	4.38	4.40	6.65	5.05	6.92	6.26	5.82	
Styrene	0.51	0.22	1.80	0.86	0.69	0.33	0.74	
o-Xylene	1.55	1.53	2.35	1.76	2.37	2.21	2.24	
1-Nonene	ND	ND	ND	0.20	U	0.23	U	ND
n-Nonane	0.44	0.49	0.39	0.31	0.43	0.41	0.46	
Isopropylbenzene	0.49	0.42	0.53	0.47	0.54	0.53	0.46	
a-Pinene	ND	ND	ND	ND	0.25	U	0.16	U
n-Propylbenzene	0.24	U	0.33	0.27	U	0.30	0.27	U
m-Ethyltoluene	0.62	0.67	0.39	0.36	0.61	0.69	0.80	
p-Ethyltoluene	0.40	0.44	0.28	U	0.27	U	0.39	
1,3,5-Trimethylbenzene	0.45	0.48	0.43	0.25	0.40	0.50	0.55	
o-Ethyltoluene	ND	ND	ND	ND	ND	ND	ND	
b-Pinene	ND	ND	0.92	ND	0.52	ND	0.41	
1,2,4-Trimethylbenzene	1.04	1.04	0.97	0.85	1.17	1.18	1.40	
1-Decene	ND	ND	ND	ND	ND	ND	ND	
n-Decane	1.19	1.32	0.74	0.67	0.95	2.58	1.73	
1,2,3-Trimethylbenzene	0.38	0.23	0.23	0.24	0.28	0.26	0.37	
m-Diethylbenzene	ND	ND	ND	ND	ND	ND	ND	
p-Diethylbenzene	ND	ND	ND	ND	ND	ND	0.36	
1-Undecene	0.21	U	0.16	U	ND	ND	1.18	
n-Undecane	3.88	3.65	0.95	0.94	2.61	3.70	16.33	
1-Dodecene	0.26	U	ND	ND	ND	ND	ND	
n-Dodecane	2.63	1.93	1.34	1.33	2.92	0.96	4.76	
1-Tridecene	ND	ND	ND	ND	ND	ND	ND	
n-Tridecane	0.72	U	0.42	U	0.43	U	2.04	
TNMOC (speciated)	103.28	100.78	76.32	64.58	103.92	98.92	156.71	
TNMOC (w/ unknowns)	139.60	138.10	173.03	112.31	157.44	170.38	227.16	

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Sample No.:	SLMO 26685	SLMO 26804	SLMO 26989	SLMO 27089	SLMO 27310	SLMO 27415	SLMO 27489
Sampling Date:	4/2/2002	4/8/2002	4/14/2002	4/20/2002	4/26/2002	5/2/2002	5/8/2002
Analysis Date:	4/11/2002	4/26/2002	4/27/2002	5/2/2002	5/7/2002	5/14/2002	5/20/2002
Filename:	L2DK006	L2DZ006	L2DZ016	L2EA024	L2EF017	L2EM025	L2ET005
Ethylene	1.36	3.87	4.02	3.00	3.59	5.54	4.71
Acetylene	2.63	2.92	2.56	1.90	2.94	5.06	2.85
Ethane	9.27	8.27	10.98	8.70	8.31	7.37	6.97
Propylene	1.51	1.58	1.73	1.60	1.82	3.53	2.25
Propane	6.13	5.64	7.46	6.05	6.72	4.34	5.51
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	1.89	1.85	2.51	2.97	1.80	1.78	2.06
Isobutene/1-Butene	1.51	1.63	1.67	1.27	1.70	1.77	2.11
1,3-Butadiene	0.23 U	0.25 U	0.31	ND	0.26 U	0.25 U	0.40
n-Butane	4.25	5.68	6.84	4.89	4.44	2.67	4.65
trans-2-Butene	0.29	0.36	0.38	0.33	0.35	0.32	0.58
cis-2-Butene	0.40	0.45	0.53	0.40	0.46	0.40	0.60
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	4.35	5.83	7.25	5.64	6.97	3.90	7.92
1-Pentene	0.49	0.50	0.56	0.45	0.55	0.59	0.51
2-Methyl-1-butene	0.21 U	0.39	0.40	0.33	0.40	0.29	0.47
n-Pentane	1.76	2.30	2.82	2.34	2.56	1.53	2.80
Isoprene	0.39	0.33	0.34	0.29	0.35	0.29	0.96
trans-2-Pentene	0.42	0.53	0.65	0.50	0.59	0.41	0.78
cis-2-Pentene	0.43	0.43	0.51	0.41	0.46	0.42	0.62
2-Methyl-2-butene	0.45	0.43	0.58	0.30	0.43	0.31	0.88
2,2-Dimethylbutane	0.57	0.84	0.81	0.61	0.68	0.65	1.06
Cyclopentene	ND	ND	ND	0.16 U	ND	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.39	0.42	0.55	0.37	0.45	0.41	0.58
2,3-Dimethylbutane	0.82	0.92	1.04	0.91	1.13	0.94	1.50
2-Methylpentane	1.60	2.07	2.93	2.08	2.31	1.95	3.91
3-Methylpentane	1.46	1.51	1.81	1.96	1.80	1.52	2.39
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.63	0.63	0.59	0.59	0.54	0.72	0.90
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	1.49	1.54	2.26	2.02	2.96	1.36	2.56
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.84	0.96	1.18	1.00	1.27	0.84	1.36
2,4-Dimethylpentane	0.58	0.74	0.84	0.74	0.90	1.00	1.25
Benzene	1.79	2.19	2.14	1.76	2.16	1.76	2.15
Cyclohexane	0.54	0.67	0.67	0.65	0.68	0.53	0.81
2-Methylhexane	1.43	1.33	1.63	1.35	1.49	1.44	2.17
2,3-Dimethylpentane	1.22	1.19	1.28	1.17	1.39	1.76	1.57
3-Methylhexane	0.89	1.45	1.34	1.17	1.53	ND	2.48
1-Heptene	0.26	ND	ND	0.24 U	ND	ND	ND
2,2,4-Trimethylpentane	1.43	2.36	2.74	2.20	3.20	3.18	4.71
n-Heptane	0.77	0.91	0.93	0.89	1.05	0.89	1.53
Methylcyclohexane	0.63	0.70	0.72	0.78	0.70	0.58	1.27
2,2,3-Trimethylpentane	ND	0.26	0.30	0.28	0.46	0.44	ND
2,3,4-Trimethylpentane	0.58	0.90	1.01	0.89	1.29	1.10	1.77
Toluene	4.82	7.33	6.97	5.70	7.06	5.91	10.39
2-Methylheptane	0.31	0.46	0.50	0.47	0.48	0.39	0.95
3-Methylheptane	0.34	0.46	0.45	0.48	0.55	0.42	0.97
1-Octene	0.34	0.21 U	0.17 U	0.22 U	0.14 U	0.28	ND
n-Octane	0.50	0.64	0.70	0.72	0.63	0.58	1.70
Ethylbenzene	1.50	1.89	1.91	1.64	1.80	1.65	2.07
m-Xylene/p-Xylene	5.61	6.83	6.50	5.58	5.89	5.09	5.77
Styrene	0.95	1.21	0.97	1.24	ND	3.13	1.07
o-Xylene	1.93	2.47	2.39	2.12	2.14	1.85	2.19
1-Nonene	0.25 U	0.23 U	ND	ND	ND	0.18 U	ND
n-Nonane	0.48	0.56	0.61	0.52	0.51	0.46	0.80
Isopropylbenzene	0.47	0.59	0.51	0.57	0.54	0.47	0.50
à-Pinene	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.27 U	0.43	0.41	0.30	0.36	0.34	0.37
m-Ethyltoluene	0.59	0.82	0.86	0.64	0.88	0.55	0.77
p-Ethyltoluene	0.41	0.58	0.61	0.50	0.59	0.50	0.59
1,3,5-Trimethylbenzene	0.38	0.46	0.61	0.45	0.55	0.50	0.57
o-Ethyltoluene	ND	ND	ND	ND	ND	ND	ND
b-Pinene	ND	ND	ND	ND	ND	ND	0.46
1,2,4-Trimethylbenzene	1.10	1.39	1.45	1.14	1.64	1.00	1.27
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	1.09	0.87	1.48	0.86	0.65	0.81	1.14
1,2,3-Trimethylbenzene	ND	0.28	0.34	0.24	0.35	0.37	0.84
m-Diethylbenzene	ND	ND	ND	ND	0.99	ND	ND
p-Diethylbenzene	ND	ND	0.21	ND	0.17	ND	ND
1-Undecene	0.31 U	ND	0.41	ND	ND	ND	0.51
n-Undecane	4.08	1.13	5.05	1.38	0.62	0.80	6.36
1-Dodecene	0.24 U	0.64 U	0.82	ND	0.14 U	0.21 U	ND
n-Dodecane	1.18	0.68 U	1.62	1.58	0.87	0.70 U	1.39
1-Tridecene	ND	ND	ND	0.17 U	ND	ND	ND
n-Tridecane	0.39 U	0.34 U	1.13	0.67 U	0.31 U	0.19 U	0.33 U
TNMOC (speciated)	83.40	95.28	113.51	90.35	98.51	88.21	122.58
TNMOC (w/ unknowns)	132.54	147.27	189.17	134.27	112.25	185.71	258.87

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Sample No.:	SLMO 27565 D1	SLMO 27565 R1	SLMO 27567 D2	SLMO 27567 R2	SLMO 27735	SLMO 27899	SLMO 27902				
Sampling Date:	5/14/2002	5/14/2002	5/14/2002	5/14/2002	5/20/2002	5/26/2002	6/1/2002				
Analysis Date:	5/22/2002	5/23/2002	5/22/2002	5/23/2002	5/31/2002	6/12/2002	6/12/2002				
Filename:	L2EU023	L2EV014	L2EU024	L2EV015	L2E%006	L2FK020	L2FK021				
Ethylene	3.91	3.89	4.09	3.89	5.72	2.32	2.18				
Acetylene	2.41	2.37	2.39	2.38	3.31	1.90	2.74				
Ethane	8.16	8.18	8.40	8.13	13.08	7.12	7.59				
Propylene	1.88	1.97	1.91	1.92	2.48	1.30	2.46				
Propane	5.68	5.73	5.76	5.69	7.28	5.42	5.57				
Propyne	ND	ND	ND	ND	ND	ND	ND				
Isobutane	2.49	2.54	2.52	2.47	2.87	1.82	2.35				
Isobutene/1-Butene	1.33	1.62	1.37	1.65	1.74	1.26	1.90				
1,3-Butadiene	0.33	0.31	0.33	0.25	U	0.26	U	0.21	U	0.31	
n-Butane	4.31	4.33	4.31	4.31	3.87	4.71	3.55				
trans-2-Butene	0.36	0.37	0.37	0.37	0.33	0.27	0.35				
cis-2-Butene	0.52	0.50	0.50	0.48	0.50	0.54	0.44				
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	0.14	U			
Isopentane	8.35	8.24	8.34	8.42	7.00	6.18	8.19				
1-Pentene	0.56	0.62	0.61	0.61	0.61	0.44	0.53				
2-Methyl-1-butene	0.40	0.36	0.40	0.42	0.40	0.30	0.50				
n-Pentane	2.76	2.74	2.73	2.70	2.46	2.40	2.68				
Isoprene	0.64	0.67	0.62	0.62	0.63	0.48	8.60				
trans-2-Pentene	0.72	0.73	0.73	0.73	0.69	0.50	0.73				
cis-2-Pentene	0.55	0.57	0.58	0.55	0.46	0.38	0.55				
2-Methyl-2-butene	0.48	0.47	0.43	0.48	0.40	0.26	0.74				
2,2-Dimethylbutane	0.86	0.82	0.87	0.84	0.77	0.67	0.97				
Cyclopentene	ND	ND	ND	ND	ND	ND	ND				
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND				
Cyclopentane	0.60	0.58	0.52	0.49	0.53	0.49	0.58				
2,3-Dimethylbutane	1.50	1.52	1.46	1.48	1.35	0.96	1.50				
2-Methylpentane	3.17	2.86	2.93	3.10	2.99	1.79	5.57				
3-Methylpentane	2.64	2.37	2.34	2.35	2.34	1.50	2.48				
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND				
1-Hexene	0.58	0.55	0.56	0.59	0.90	0.65	0.67				
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND				
n-Hexane	2.31	2.24	2.44	2.29	2.18	1.31	2.33				
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND				
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND				
Methylcyclopentane	1.36	1.36	1.39	1.38	1.24	0.77	1.39				
2,4-Dimethylpentane	1.14	1.13	1.13	1.17	1.17	0.75	1.28				
Benzene	2.04	2.06	2.08	2.10	1.87	1.62	2.06				
Cyclohexane	0.66	0.65	0.70	0.66	0.57	0.59	0.61				
2-Methylhexane	2.06	2.00	2.00	2.00	1.85	0.98	1.74				
2,3-Dimethylpentane	1.71	1.73	1.74	1.75	2.20	1.27	2.06				
3-Methylhexane	1.82	1.87	1.79	1.88	1.96	1.92	2.06				
1-Heptene	ND	ND	ND	ND	ND	ND	ND				
2,2,4-Trimethylpentane	4.82	4.73	4.63	4.72	4.71	2.78	5.39				
n-Heptane	1.26	1.15	1.14	1.18	1.16	0.69	1.10				
Methylcyclohexane	0.88	0.79	0.88	0.71	0.86	1.27	1.13				
2,2,3-Trimethylpentane	0.62	0.73	0.53	0.79	0.68	0.38	0.80				
2,3,4-Trimethylpentane	1.83	1.79	1.79	1.83	1.67	1.02	1.97				
Toluene	7.99	7.93	8.03	7.93	8.10	6.36	8.56				
2-Methylheptane	0.64	0.58	0.62	0.64	0.46	0.33	0.58				
3-Methylheptane	0.65	0.67	0.74	0.68	0.66	0.30	0.55				
1-Octene	ND	ND	ND	0.15	U	0.32	0.28	0.26			
n-Octane	0.75	0.70	0.77	0.74	0.69	0.48	0.81				
Ethylbenzene	1.36	1.34	1.32	1.33	1.64	1.24	1.87				
m-Xylene/p-Xylene	4.27	4.18	4.23	4.14	5.81	4.12	5.77				
Styrene	ND	ND	ND	ND	3.70	1.34	2.73				
o-Xylene	1.70	1.65	1.69	1.57	2.21	1.65	2.13				
1-Nonene	0.18	U	ND	0.20	U	0.22	U	0.31	U		
n-Nonane	0.48	0.49	0.47	0.48	0.64	0.56	0.71				
Isopropylbenzene	0.34	0.31	ND	0.34	0.39	0.40	0.40				
a-Pinene	0.13	U	ND	ND	0.36	ND	0.48				
n-Propylbenzene	0.33	0.33	0.35	0.38	0.36	0.35	0.52				
m-Ethyltoluene	0.86	0.79	0.75	0.85	0.90	0.57	1.32				
p-Ethyltoluene	0.57	0.54	0.51	0.54	0.53	0.44	0.80				
1,3,5-Trimethylbenzene	0.61	0.56	0.60	0.58	0.62	0.35	0.83				
o-Ethyltoluene	ND	ND	ND	ND	0.43	ND	ND				
b-Pinene	ND	ND	ND	ND	ND	ND	ND				
1,2,4-Trimethylbenzene	1.26	1.25	1.19	1.31	1.57	1.06	2.40				
1-Decene	ND	ND	ND	ND	ND	ND	ND				
n-Decane	0.81	0.62	0.84	0.70	1.04	1.09	1.20				
1,2,3-Trimethylbenzene	0.25	0.21	0.30	0.25	0.32	0.20	0.48				
m-Diethylbenzene	0.22	U	0.14	U	0.18	U	ND	ND			
p-Diethylbenzene	ND	0.14	0.18	0.13	U	0.21	0.14	ND			
1-Undecene	ND	ND	ND	ND	ND	ND	ND				
n-Undecane	0.56	0.46	0.83	0.58	1.11	1.18	0.75				
1-Dodecene	ND	ND	ND	ND	0.15	U	0.28	U	1.08		
n-Dodecane	0.88	0.37	U	0.35	U	0.57	U	1.11	0.61	U	
1-Tridecene	ND	ND	ND	ND	ND	ND	ND				
n-Tridecane	0.24	U	ND	0.14	U	0.28	U	0.30	U	0.37	U
TNMOC (speciated)	102.76	100.34	101.55	101.40	118.34	83.55	123.28				
TNMOC (w/ unknowns)	133.49	129.99	146.85	148.54	216.59	130.15	234.76				

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Sample No.:	SLMO 27994	SLMO 28130	SLMO 28279	SLMO 28342 D1	SLMO 28342 R1	SLMO 28343 D2	SLMO 28343 R2
Sampling Date:	6/7/2002	6/13/2002	6/19/2002	6/25/2002	6/25/2002	6/25/2002	6/25/2002
Analysis Date:	7/3/2002	7/12/2002	7/12/2002	7/21/2002	8/12/2002	7/21/2002	8/13/2002
Filename:	VOID	L2GB017	N2GL007	N2GT011	L2HL013	N2GT012	L2HL014
Ethylene		2.71	3.62	5.01	6.23	5.02	6.14
Acetylene		1.97	2.74	3.64	3.77	3.64	3.58
Ethane		5.56	5.26	6.25	7.57	6.30	7.41
Propylene		2.01	1.62	2.27	2.97	2.26	2.96
Propane		3.87	4.24	6.26	7.26	6.39	7.04
Propyne		ND	ND	ND	ND	ND	ND
Isobutane		1.61	1.64	2.70	3.10	2.76	3.14
Isobutene/1-Butene		1.69	1.94	1.84	2.22	1.92	2.27
1,3-Butadiene		0.23	U 0.44	0.36	0.36	0.33	0.37
n-Butane		3.42	5.73	7.52	7.84	7.71	8.23
trans-2-Butene		0.37	0.41	0.44	0.86	0.37	0.81
cis-2-Butene		0.46	0.59	0.65	0.93	0.61	0.97
3-Methyl-1-butene		0.13	U 0.17	U 0.22	ND	0.22	U ND
Isopentane		5.67	9.18	12.50	12.22	12.16	12.66
1-Pentene		0.81	0.62	0.69	0.99	0.69	1.10
2-Methyl-1-butene		0.45	0.58	0.65	0.71	0.71	0.79
n-Pentane		1.80	3.01	4.14	4.20	4.12	4.55
Isoprene		3.90	1.89	2.08	2.12	2.11	2.31
trans-2-Pentene		0.64	0.74	1.54	1.07	1.45	1.13
cis-2-Pentene		0.52	0.53	0.53	0.87	0.54	0.99
2-Methyl-2-butene		0.40	0.43	0.66	0.70	0.63	0.74
2,2-Dimethylbutane		0.74	0.85	0.86	1.63	0.86	1.60
Cyclopentene		0.17	U ND	ND	ND	ND	ND
4-Methyl-1-pentene		ND	ND	ND	ND	ND	ND
Cyclopentane		0.48	0.82	1.09	0.88	0.66	1.08
2,3-Dimethylbutane		1.16	1.59	2.07	3.37	1.92	3.53
2-Methylpentane		2.22	3.04	4.14	5.62	4.07	5.77
3-Methylpentane		1.82	1.93	2.60	3.26	2.63	3.36
2-Methyl-1-pentene		ND	ND	ND	ND	ND	ND
1-Hexene		0.95	0.82	0.63	1.10	0.87	1.20
2-Ethyl-1-butene		ND	ND	ND	ND	ND	ND
n-Hexane		1.69	1.85	3.03	3.26	3.03	3.84
trans-2-Hexene		ND	ND	ND	ND	ND	ND
cis-2-Hexene		ND	ND	ND	ND	ND	ND
Methylcyclopentane		1.01	1.16	1.78	1.88	1.74	2.11
2,4-Dimethylpentane		0.93	0.97	1.41	1.82	1.42	1.87
Benzene		1.57	1.94	2.64	2.58	2.64	2.83
Cyclohexane		0.52	0.93	1.03	1.41	0.88	1.53
2-Methylhexane		1.31	2.17	2.50	2.51	2.34	2.57
2,3-Dimethylpentane		1.31	1.53	2.18	2.55	2.31	2.65
3-Methylhexane		2.22	1.54	2.17	2.34	2.29	2.38
1-Heptene		ND	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane		3.79	3.96	5.50	5.83	5.68	6.17
n-Heptane		0.83	1.42	1.54	1.49	1.81	1.61
Methylcyclohexane		0.63	0.72	0.88	1.33	0.81	1.32
2,2,3-Trimethylpentane		0.55	0.63	0.90	0.88	0.89	0.87
2,3,4-Trimethylpentane		1.34	1.43	2.09	2.21	2.17	2.40
Toluene		6.08	7.77	10.95	8.93	11.02	9.79
2-Methylheptane		0.47	0.42	0.55	0.78	0.57	0.77
3-Methylheptane		0.44	0.74	0.80	0.86	0.65	0.78
1-Octene		0.49	ND	ND	ND	ND	0.25
n-Octane		0.55	0.76	0.87	0.87	0.81	0.99
Ethylbenzene		1.40	1.90	2.01	1.47	2.07	1.87
m-Xylene/p-Xylene		5.02	6.78	6.75	4.15	6.94	5.09
Styrene		0.92	0.34	0.43	1.38	0.47	1.52
o-Xylene		1.85	2.25	1.40	1.85	2.81	2.20
1-Nonene		0.39	ND	ND	ND	0.22	U 0.23
n-Nonane		0.42	ND	0.99	0.68	1.03	0.84
Isopropylbenzene		0.38	ND	0.44	0.57	0.46	0.61
à-Pinene		0.33	ND	1.74	ND	1.45	ND
n-Propylbenzene		0.45	ND	0.50	0.49	0.49	0.59
m-Ethyltoluene		0.70	ND	1.34	0.97	1.31	1.02
p-Ethyltoluene		0.51	ND	0.99	0.68	0.94	0.85
1,3,5-Trimethylbenzene		0.53	ND	0.89	0.66	0.86	0.74
o-Ethyltoluene		0.48	ND	ND	1.11	ND	0.96
b-Pinene		ND	ND	ND	1.42	ND	1.87
1,2,4-Trimethylbenzene		1.45	ND	2.12	1.79	2.25	2.17
1-Decene		ND	ND	ND	ND	ND	ND
n-Decane		0.52	ND	2.57	2.89	1.86	2.81
1,2,3-Trimethylbenzene		0.23	ND	0.65	1.40	0.68	0.71
m-Diethylbenzene		ND	ND	0.52	ND	0.49	ND
p-Diethylbenzene		0.17	ND	ND	0.36	ND	0.47
1-Undecene		ND	ND	ND	ND	ND	ND
n-Undecane		1.39	ND	6.54	5.74	6.94	8.29
1-Dodecene		0.23	U ND	ND	0.52	U ND	0.47
n-Dodecane		1.00	ND	0.69	U 1.35	0.70	U 1.34
1-Tridecene		ND	ND	ND	0.44	U ND	0.41
n-Tridecane		0.36	U ND	ND	ND	ND	ND
TNMOC (speciated)		90.18	95.61	142.71	153.25	143.99	161.49
TNMOC (w/ unknowns)		135.79	234.92	200.52	218.11	202.59	227.41

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Sample No.:	SLMO 28546	SLMO 28663	SLMO 28791	SLMO 28926	SLMO 29048	SLMO 29081	SLMO 29532
Sampling Date:	7/1/2002	7/7/2002	7/13/2002	7/19/2002	7/25/2002	7/31/2002	8/6/2002
Analysis Date:	8/1/2002	8/1/2002	8/6/2002	8/8/2002	8/14/2002	8/16/2002	
Filename:	L2HA011	L2HA014	L2HE016	L2HG012	L2HM016	L2HO012	VOID
Ethylene	5.00	3.84	4.08	6.21	5.41	6.74	
Acetylene	3.93	2.17	2.22	3.40	3.40	2.19	
Ethane	7.59	7.49	9.04	9.44	8.33	5.92	
Propylene	2.53	2.04	2.13	3.10	2.84	4.42	
Propane	5.33	6.72	5.40	7.14	8.27	5.73	
Propyne	ND	ND	ND	ND	ND	ND	
Isobutane	2.56	2.31	2.45	2.58	2.46	2.39	
Isobutene/1-Butene	1.98	1.53	2.01	2.48	2.45	5.80	
1,3-Butadiene	0.34	ND	ND	0.43	0.41	0.26	
n-Butane	4.63	6.34	3.31	4.66	5.72	7.32	
trans-2-Butene	0.64	0.55	0.47	0.71	0.69	0.83	
cis-2-Butene	0.80	0.67	0.65	0.86	0.89	0.98	
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	
Isopentane	11.48	11.80	24.42	10.02	10.49	48.08	
1-Pentene	0.79	0.61	0.59	0.69	0.84	1.16	
2-Methyl-1-butene	0.71	0.48	0.61	0.54	0.65	1.01	
n-Pentane	3.22	4.00	2.44	3.48	7.30	4.36	
Isoprene	21.09	2.05	1.56	10.17	8.26	5.04	
trans-2-Pentene	1.02	0.77	0.67	1.08	1.06	1.21	
cis-2-Pentene	0.86	0.73	0.68	0.95	0.91	0.90	
2-Methyl-2-butene	0.78	0.29	0.47	0.74	0.69	0.84	
2,2-Dimethylbutane	1.34	1.15	1.10	1.50	1.55	1.36	
Cyclopentene	ND	ND	ND	ND	ND	ND	
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	
Cyclopentane	0.81	0.83	0.71	0.96	0.95	0.87	
2,3-Dimethylbutane	2.67	2.28	1.81	3.27	2.77	2.73	
2-Methylpentane	4.80	3.95	3.11	5.87	6.06	5.98	
3-Methylpentane	2.83	2.44	1.85	3.53	3.34	2.94	
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	
1-Hexene	1.03	0.94	1.04	1.20	1.23	1.22	
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	
n-Hexane	2.94	3.47	1.84	3.44	4.49	2.34	
trans-2-Hexene	ND	ND	ND	ND	ND	ND	
cis-2-Hexene	ND	ND	ND	ND	ND	ND	
Methylcyclopentane	1.73	1.58	1.45	2.18	2.01	2.23	
2,4-Dimethylpentane	1.64	1.28	1.17	1.81	1.63	1.31	
Benzene	2.23	2.10	3.03	2.77	2.60	2.17	
Cyclohexane	1.16	1.10	1.01	1.32	1.49	1.32	
2-Methylhexane	2.62	1.87	2.26	2.09	2.49	1.98	
2,3-Dimethylpentane	2.27	1.80	1.58	2.56	2.35	2.09	
3-Methylhexane	2.34	1.48	1.37	2.57	2.21	1.93	
1-Heptene	ND	ND	ND	ND	0.31	0.41	
2,2,4-Trimethylpentane	5.37	3.51	3.54	6.35	5.17	3.84	
n-Heptane	1.48	0.97	0.94	1.74	1.52	1.17	
Methylcyclohexane	1.18	0.88	0.89	1.34	1.21	1.03	
2,2,3-Trimethylpentane	0.70	0.40	0.48	0.96	0.68	0.64	
2,3,4-Trimethylpentane	2.05	1.36	1.29	2.55	2.08	1.80	
Toluene	14.03	5.37	5.73	10.94	7.76	7.86	
2-Methylheptane	1.04	0.57	0.49	0.87	0.76	0.60	
3-Methylheptane	1.04	0.63	0.63	0.92	0.84	0.67	
1-Octene	ND	ND	ND	ND	0.32	0.31	
n-Octane	1.80	0.62	0.67	0.98	0.86	0.94	
Ethylbenzene	1.84	1.38	1.66	2.25	1.86	1.74	
m-Xylene/p-Xylene	5.83	3.73	4.46	6.28	5.53	4.45	
Styrene	1.84	1.54	1.86	1.30	1.77	3.39	
o-Xylene	2.48	1.61	1.92	2.62	2.24	1.95	
1-Nonene	ND	ND	ND	ND	0.28	ND	
n-Nonane	0.76	0.49	0.59	0.78	0.71	0.68	
Isopropylbenzene	0.62	0.61	0.70	0.74	0.71	0.71	
à-Pinene	ND	ND	0.96	ND	0.81	4.18	
n-Propylbenzene	0.51	0.42	0.45	0.59	0.65	0.61	
m-Ethyltoluene	1.03	0.64	0.57	1.27	0.97	0.79	
p-Ethyltoluene	0.77	0.43	0.44	0.91	0.80	0.54	
1,3,5-Trimethylbenzene	0.63	0.42	0.56	0.88	0.68	0.45	
o-Ethyltoluene	2.88	ND	0.69	ND	0.91	0.74	
b-Pinene	ND	ND	1.72	1.82	2.37	ND	
1,2,4-Trimethylbenzene	1.90	1.28	1.45	2.30	1.92	1.36	
1-Decene	ND	ND	ND	ND	ND	ND	
n-Decane	1.54	1.01	1.26	1.83	1.56	1.07	
1,2,3-Trimethylbenzene	0.50	0.67	0.52	0.66	0.81	0.67	
m-Diethylbenzene	ND	ND	ND	ND	ND	ND	
p-Diethylbenzene	0.37	ND	0.23	0.45	ND	0.35	
1-Undecene	ND	ND	ND	ND	ND	ND	
n-Undecane	7.76	1.19	0.78	5.41	8.93	2.65	
1-Dodecene	ND	0.51	0.24	0.58	0.54	0.26	U
n-Dodecane	1.08	1.44	0.53	1.30	1.48	0.72	U
1-Tridecene	ND	ND	ND	ND	ND	ND	
n-Tridecane	ND	ND	ND	ND	ND	ND	
TNMOC (speciated)	166.65	112.30	122.75	162.35	163.28	182.24	
TNMOC (w/ unknowns)	257.37	195.94	201.06	323.91	243.84	323.63	

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Sample No.:	SLMO 29534	SLMO 29302	SLMO 29537	SLMO 29571	SLMO 29712	SLMO 29803 D1	SLMO 29803 R1			
Sampling Date:	8/12/2002	8/18/2002	8/24/2002	8/30/2002	9/5/2002	9/11/2002	9/11/2002			
Analysis Date:		9/12/2002	9/18/2002	9/23/2002	9/25/2002	10/11/2002	10/15/2002			
Filename:	VOID	L2IK016	L2IQ017	L2IW006	L2IX018	L2JJ015	L2JO007			
Ethylene		5.40	4.24	4.34		5.21	3.19	3.10		
Acetylene		2.93	2.51	5.03		3.05	2.50	2.45		
Ethane		8.35	7.50	8.94		7.53	5.66	5.51		
Propylene		2.51	2.14	2.30		2.69	1.93	1.75		
Propane		5.80	6.25	6.30		8.99	4.39	3.71		
Propyne		ND	ND	ND		ND	ND	ND		
Isobutane		2.51	2.45	2.69		2.77	2.20	2.13		
Isobutene/1-Butene		2.12	1.75	1.89		2.14	1.42	1.36		
1,3-Butadiene		0.35	0.26	0.26	U	0.29	ND	ND		
n-Butane		4.04	4.14	4.11		5.18	3.17	3.02		
trans-2-Butene		0.55	0.72	0.48		0.56	0.50	0.40		
cis-2-Butene		0.70	0.66	0.53		0.68	0.59	0.53		
3-Methyl-1-butene		ND	ND	ND		ND	ND	ND		
Isopentane		8.02	8.55	8.06		10.01	5.74	5.65		
1-Pentene		0.54	0.60	0.81		ND	ND	0.53		
2-Methyl-1-butene		0.41	ND	0.36		0.50	0.24	U	0.22	U
n-Pentane		3.74	4.20	3.23		4.08	1.91	1.83		
Isoprene		3.56	2.35	1.26		1.35	0.79	0.79		
trans-2-Pentene		0.82	0.77	0.72		0.77	0.48	0.47		
cis-2-Pentene		0.68	0.64	0.65		0.65	0.47	0.53		
2-Methyl-2-butene		0.59	0.76	0.44		0.49	0.22	U	0.24	
2,2-Dimethylbutane		1.19	1.19	1.08		1.26	0.74	0.75		
Cyclopentene		ND	ND	ND		ND	0.31	0.34		
4-Methyl-1-pentene		ND	ND	ND		ND	ND	ND		
Cyclopentane		0.70	0.68	0.64		0.71	0.54	0.65		
2,3-Dimethylbutane		1.89	1.67	1.59		1.72	1.15	1.10		
2-Methylpentane		4.36	4.10	2.83		3.76	1.64	1.59		
3-Methylpentane		2.53	2.41	2.40		2.79	0.76	1.12		
2-Methyl-1-pentene		ND	ND	ND		ND	ND	ND		
1-Hexene		0.73	0.79	0.94		0.93	0.62	0.67		
2-Ethyl-1-butene		ND	ND	ND		ND	ND	ND		
n-Hexane		2.36	2.04	2.22		2.64	1.36	1.23		
trans-2-Hexene		ND	ND	ND		ND	ND	ND		
cis-2-Hexene		ND	ND	ND		ND	ND	ND		
Methylcyclopentane		1.38	1.39	1.43		1.70	0.90	1.07		
2,4-Dimethylpentane		1.41	1.35	1.23		1.32	0.92	0.99		
Benzene		1.92	1.79	2.78		2.34	1.67	1.64		
Cyclohexane		0.94	0.85	0.83		0.92	0.98	0.36		
2-Methylhexane		2.36	1.74	1.13		1.96	0.57	0.59		
2,3-Dimethylpentane		2.37	1.93	1.44		1.82	1.07	0.92		
3-Methylhexane		2.03	1.61	2.16		3.74	1.30	0.90		
1-Heptene		ND	ND	0.35		0.48	ND	0.26		
2,2,4-Trimethylpentane		4.47	4.35	3.64		4.04	2.38	2.27		
n-Heptane		1.09	1.09	1.20		1.59	0.79	0.76		
Methylcyclohexane		1.02	1.04	1.14		1.43	0.75	0.56		
2,2,3-Trimethylpentane		0.61	0.75	0.45		0.54	ND	ND		
2,3,4-Trimethylpentane		2.05	1.69	1.33		1.54	0.94	1.05		
Toluene		15.26	7.87	7.98		7.52	4.57	4.24		
2-Methylheptane		0.54	0.59	0.51		0.67	0.40	0.68		
3-Methylheptane		0.65	0.70	0.65		0.76	0.40	0.38		
1-Octene		ND	ND	0.47		0.36	0.40	0.40		
n-Octane		0.80	0.72	0.82		0.96	0.81	0.70		
Ethylbenzene		5.78	1.95	1.99		1.72	0.99	0.93		
m-Xylene/p-Xylene		23.88	5.91	6.12		5.17	3.45	2.89		
Styrene		0.19	0.84	1.42		2.03	1.78	ND		
o-Xylene		9.35	2.56	2.57		2.25	1.48	1.27		
1-Nonene		ND	ND	0.39		0.37	0.30	U	0.30	U
n-Nonane		0.78	0.66	0.80		1.17	0.74	0.57		
Isopropylbenzene		0.70	0.61	0.64		0.62	0.51	0.45		
a-Pinene		0.91	0.45	0.88		0.64	ND	ND		
n-Propylbenzene		0.56	0.47	0.35		0.59	0.31	0.45		
m-Ethyltoluene		1.19	0.92	0.96		1.15	0.84	0.65		
p-Ethyltoluene		0.69	0.83	0.77		0.87	0.59	0.41		
1,3,5-Trimethylbenzene		0.61	0.74	0.84		1.14	0.60	0.60		
o-Ethyltoluene		ND	1.01	0.83		ND	ND	ND		
b-Pinene		ND	2.03	2.50		ND	1.45	ND		
1,2,4-Trimethylbenzene		2.04	1.82	2.17		2.24	1.37	1.15		
1-Decene		ND	ND	ND		ND	ND	ND		
n-Decane		6.27	1.73	1.49		2.14	1.95	0.72		
1,2,3-Trimethylbenzene		0.82	0.52	0.45		0.55	0.30	0.31		
m-Diethylbenzene		9.59	ND	ND		ND	ND	ND		
p-Diethylbenzene		0.51	ND	ND		ND	ND	ND		
1-Undecene		ND	ND	0.23	U	ND	ND	ND		
n-Undecane		3.20	1.32	0.99		1.37	0.66	0.95		
1-Dodecene		0.36	U	0.40	U	0.32	U	ND		
n-Dodecane		0.55	U	0.65	U	0.55	U	0.83		
1-Tridecene		0.41	U	0.24	U	ND	ND	ND		
n-Tridecane		ND	ND	ND		ND	ND	ND		
TNMOC (speciated)		174.65	118.47	121.04		129.27	79.31	71.91		
TNMOC (w/ unknowns)		260.52	193.44	188.92		212.83	132.50	121.93		

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Sample No.:	SLMO 29805 D2	SLMO 29805 R2	SLMO 29974	SLMO 29984	SLMO 30098	SLMO 30090	SLMO 31068
Sampling Date:	9/11/2002	9/11/2002	9/17/2002	9/23/2002	9/29/2002	10/5/2002	12/4/2002
Analysis Date:	10/11/2002	10/15/2002		10/16/2002	10/18/2002	10/23/2002	1/2/2003
Filename:	L2JJ016	L2JC008	VOID	L2JP015	L2JR008	L2JV018	L3AB015
Ethylene	3.00	2.86		12.36	7.34	4.89	6.61
Acetylene	2.40	2.30		7.39	2.42	2.71	5.49
Ethane	5.45	5.40		20.28	9.62	8.50	11.89
Propylene	1.78	1.66		5.60	3.96	2.25	2.35
Propane	4.40	4.16		10.80	23.85	6.04	7.51
Propyne	ND	ND		ND	ND	ND	ND
Isobutane	2.21	2.00		7.55	13.73	3.55	3.55
Isobutene/1-Butene	1.36	1.27		3.84	5.28	2.05	1.61
1,3-Butadiene	ND	ND		0.87	0.38	0.28	0.26
n-Butane	3.37	3.32		11.92	7.39	10.04	8.14
trans-2-Butene	0.44	0.37		0.89	0.57	0.64	0.24
cis-2-Butene	0.59	0.54		1.14	0.85	0.71	0.57
3-Methyl-1-butene	ND	ND		0.42	0.31	ND	ND
Isopentane	5.40	5.21		22.53	43.18	10.86	6.89
1-Pentene	ND	0.61		1.33	1.30	ND	0.32
2-Methyl-1-butene	0.26	0.22	U	1.19	0.68	0.56	0.40
n-Pentane	1.87	1.75		6.88	7.23	3.34	3.33
Isoprene	0.82	0.83		2.30	1.91	1.05	0.54
trans-2-Pentene	0.53	0.40		1.94	1.02	0.90	0.46
cis-2-Pentene	0.54	0.51		1.23	0.88	0.62	0.19
2-Methyl-2-butene	0.24	U	0.27	1.67	0.63	0.67	0.38
2,2-Dimethylbutane	0.79	0.81		2.06	1.28	0.96	0.34
Cyclopentene	ND	ND		ND	ND	ND	ND
4-Methyl-1-pentene	ND	ND		ND	ND	ND	ND
Cyclopentane	0.56	0.56		1.20	1.42	0.92	0.50
2,3-Dimethylbutane	1.22	1.10		4.18	2.17	1.57	0.53
2-Methylpentane	1.80	1.61		9.88	3.01	3.08	1.91
3-Methylpentane	1.42	1.30		8.14	4.35	3.73	3.03
2-Methyl-1-pentene	ND	ND		0.29	0.63	ND	0.23
1-Hexene	0.51	0.39		0.81	1.38	0.70	0.38
2-Ethyl-1-butene	ND	ND		ND	ND	ND	ND
n-Hexane	1.53	1.32		6.00	2.56	0.51	1.73
trans-2-Hexene	ND	ND		0.25	U	ND	ND
cis-2-Hexene	ND	ND		0.24	U	ND	ND
Methylcyclopentane	1.06	1.02		4.07	1.54	1.51	0.99
2,4-Dimethylpentane	0.92	0.91		3.35	1.24	1.10	0.31
Benzene	1.67	1.42		4.44	2.80	1.87	2.74
Cyclohexane	1.31	1.24		2.08	1.85	0.87	0.46
2-Methylhexane	0.65	0.71		5.52	1.19	1.38	1.99
2,3-Dimethylpentane	1.27	1.20		4.63	1.64	0.56	1.86
3-Methylhexane	0.48	0.53		ND	ND	2.47	6.94
1-Heptene	ND	ND		ND	ND	ND	0.40
2,2,4-Trimethylpentane	2.37	2.24		14.13	3.96	3.20	1.24
n-Heptane	0.79	0.62		3.41	2.28	1.06	0.84
Methylcyclohexane	0.74	0.77		1.81	1.21	ND	0.66
2,2,3-Trimethylpentane	0.20	U	ND	2.31	ND	0.47	ND
2,3,4-Trimethylpentane	0.95	0.97		5.09	1.65	1.42	0.55
Toluene	4.67	4.81		19.76	21.34	6.82	5.28
2-Methylheptane	0.54	0.60		1.68	1.39	0.81	0.55
3-Methylheptane	0.40	0.45		2.14	1.55	0.51	0.23
1-Octene	ND	ND		ND	0.35	ND	ND
n-Octane	0.74	0.78		1.61	3.32	0.70	0.51
Ethylbenzene	1.15	1.08		3.33	7.60	1.22	1.03
m-Xylene/p-Xylene	3.14	2.75		11.21	29.43	4.29	5.51
Styrene	0.67	ND		0.56	7.30	0.67	ND
o-Xylene	1.36	1.22		4.66	11.32	1.84	2.66
1-Nonene	ND	0.19	U	0.38	ND	ND	0.57
n-Nonane	0.61	0.56		1.93	2.55	0.63	0.54
Isopropylbenzene	0.61	0.81		0.76	3.15	0.53	0.22
α-Pinene	ND	0.42		0.73	13.69	0.35	3.32
n-Propylbenzene	0.41	0.31		0.99	2.33	0.39	0.70
m-Ethyltoluene	0.83	0.77		2.72	2.92	0.83	0.81
p-Ethyltoluene	0.56	0.45		1.59	1.86	0.62	0.74
1,3,5-Trimethylbenzene	0.64	0.60		2.28	1.53	0.69	ND
o-Ethyltoluene	0.50	0.37		1.20	ND	0.40	ND
β-Pinene	0.77	ND		0.56	1.89	0.53	ND
1,2,4-Trimethylbenzene	1.13	1.13		4.65	4.45	1.67	0.92
1-Decene	ND	ND		ND	ND	ND	ND
n-Decane	1.00	0.65		4.82	6.76	1.25	0.56
1,2,3-Trimethylbenzene	0.39	0.33		1.07	2.70	1.31	0.35
m-Diethylbenzene	ND	ND		ND	ND	ND	ND
p-Diethylbenzene	ND	ND		0.68	ND	ND	0.47
1-Undecene	ND	ND		0.38	ND	ND	0.23
n-Undecane	0.76	0.82		3.41	9.72	0.68	1.95
1-Dodecene	0.26	U	ND	ND	15.51	ND	0.40
n-Dodecane	0.48	U	0.39	U	1.88	10.40	0.50
1-Tridecene	ND	ND		ND	ND	ND	ND
n-Tridecane	ND	ND		ND	9.44	ND	ND
TNMOC (speciated)	76.51	71.88		280.95	341.13	114.23	116.97
TNMOC (w/ unknowns)	120.03	112.67		359.38	803.92	186.15	349.06

St. Louis, Missouri Site 1 (SLMO) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbC)

Sample No.:	SLMO 31067	SLMO 31260	SLMO 31400	SLMO 31402			
Sampling Date:	12/10/2002	12/16/2002	12/22/2002	12/28/2002			
Analysis Date:	1/10/2003	1/11/2003	1/13/2003	1/14/2003			
Filename:	N3AJ005	N3AJ016	L3AM008	L3AM017			
Ethylene	12.93	5.48	5.14	7.40			
Acetylene	14.24	7.86	3.78	5.96			
Ethane	30.65	20.43	14.07	26.59			
Propylene	4.81	2.19	2.03	2.40			
Propane	24.79	19.53	7.88	18.21			
Propyne	ND	ND	ND	ND			
Isobutane	8.21	6.17	3.15	5.16			
Isobutene/1-Butene	3.75	1.77	1.65	1.48			
1,3-Butadiene	0.89	0.34	0.31	0.37			
n-Butane	28.14	19.00	7.40	13.04			
trans-2-Butene	1.10	0.52	0.25	0.28			
cis-2-Butene	0.86	0.44	0.22	0.30			
3-Methyl-1-butene	0.32	0.15	U	0.24			
Isopentane	16.95	9.83	5.50	8.60			
1-Pentene	0.77	0.32	0.28	0.32			
2-Methyl-1-butene	1.04	0.46	0.38	0.53			
n-Pentane	7.25	5.04	2.53	4.30			
Isoprene	0.48	0.23	0.49	0.46			
trans-2-Pentene	1.36	0.66	0.44	0.60			
cis-2-Pentene	0.73	0.26	0.20	U	0.28		
2-Methyl-2-butene	1.64	0.63	0.40	0.62			
2,2-Dimethylbutane	0.83	0.76	0.28	0.40			
Cyclopentene	0.26	0.22	U	ND	0.29		
4-Methyl-1-pentene	ND	ND	ND	ND			
Cyclopentane	0.78	0.42	0.41	0.61			
2,3-Dimethylbutane	1.73	0.81	0.51	0.86			
2-Methylpentane	5.70	3.91	1.75	3.01			
3-Methylpentane	3.91	2.12	3.59	2.32			
2-Methyl-1-pentene	0.34	ND	ND	ND			
1-Hexene	0.38	0.14	U	0.20	U	ND	
2-Ethyl-1-butene	ND	ND	ND	ND			
n-Hexane	5.69	2.77	1.38	2.34			
trans-2-Hexene	0.57	0.31	ND	ND			
cis-2-Hexene	0.20	U	0.19	U	ND	ND	
Methylcyclopentane	2.66	1.46	0.89	1.46			
2,4-Dimethylpentane	1.00	0.55	0.27	0.54			
Benzene	5.81	3.37	2.31	3.30			
Cyclohexane	0.94	0.51	0.38	0.86			
2-Methylhexane	3.55	1.98	1.28	3.03			
2,3-Dimethylpentane	2.92	2.46	0.95	0.93			
3-Methylhexane	4.20	2.23	1.32	1.55			
1-Heptene	ND	0.20	U	0.21	U	0.25	
2,2,4-Trimethylpentane	3.86	1.64	1.24	2.00			
n-Heptane	2.69	1.33	0.72	1.16			
Methylcyclohexane	2.72	1.20	0.24	0.93			
2,2,3-Trimethylpentane	1.08	0.33	ND	0.29			
2,3,4-Trimethylpentane	1.25	0.59	0.57	0.88			
Toluene	16.31	7.56	4.14	6.77			
2-Methylheptane	1.17	0.65	0.89	0.67			
3-Methylheptane	0.95	0.36	0.25	0.44			
1-Octene	0.16	U	ND	ND			
n-Octane	0.97	0.52	0.30	0.65			
Ethylbenzene	2.38	1.03	0.77	0.98			
m-Xylene/p-Xylene	13.88	8.99	3.64	6.07			
Styrene	2.01	1.77	0.21	0.60			
o-Xylene	5.56	4.08	1.93	3.13			
1-Nonene	0.83	1.26	ND	ND			
n-Nonane	1.10	0.54	0.52	0.54			
Isopropylbenzene	0.22	U	0.15	U	ND	ND	
α-Pinene	ND	ND	ND	ND			
n-Propylbenzene	0.80	0.44	0.28	U	0.37		
m-Ethyltoluene	2.50	1.24	0.67	1.04			
p-Ethyltoluene	1.28	0.61	0.27	U	0.65		
1,3,5-Trimethylbenzene	1.46	0.50	0.23	0.35			
o-Ethyltoluene	0.86	0.38	0.27	U	0.27	U	
β-Pinene	ND	ND	ND	0.40			
1,2,4-Trimethylbenzene	3.69	2.11	0.71	1.45			
1-Decene	ND	ND	ND	ND			
n-Decane	1.52	1.09	0.36	1.11			
1,2,3-Trimethylbenzene	1.16	0.68	ND	0.35			
m-Diethylbenzene	0.33	0.44	ND	0.42			
p-Diethylbenzene	1.06	1.12	ND	0.79			
1-Undecene	0.24	U	1.25	ND	0.59		
n-Undecane	2.21	9.77	1.16	15.64			
1-Dodecene	ND	ND	ND	0.52	U		
n-Dodecane	0.38	U	0.54	U	0.26	U	1.23
1-Tridecene	ND	ND	ND	ND			
n-Tridecane	ND	ND	ND	ND			
TNMOC (speciated)	276.95	177.86	91.41	169.15			
TNMOC (w/ unknowns)	440.66	337.07	190.26	340.09			

St. Louis, Missouri (SLMO) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbV)

Sample No.:	SLMO 24976	SLMO 25105	SLMO 25196	SLMO 25337	SLMO 25477 D1	SLMO 25477 R1	SLMO 25478 D2	
Sampling Date:	1/2/2002	1/8/2002	1/14/2002	1/20/2002	1/26/2002	1/26/2002	1/26/2002	
Analysis Date:	1/25/2002	1/25/2002	1/26/2002	1/29/2002	2/6/2002	2/8/2002	2/6/2002	
Filename:	L2AX 016	L2AY007	L2AY017	L2A#014	L2BE021	L2BH008	L2BE022	
Ethylene	3.60	3.70	2.11	3.19	2.70	2.51	2.71	
Acetylene	2.84	2.89	1.79	2.48	2.45	2.20	2.37	
Ethane	7.14	8.90	6.16	7.38	7.31	7.05	6.95	
Propylene	0.64	0.78	0.41	0.66	0.59	0.50	0.53	
Propane	3.04	4.04	2.41	2.76	5.59	2.53	2.43	
Propyne	ND	ND	ND	ND	ND	ND	ND	
Isobutane	0.74	0.97	0.65	0.69	0.87	0.79	0.80	
Isobutene/1-Butene	0.49	0.64	0.41	0.45	0.39	0.45	0.54	
1,3-Butadiene	0.08	0.11	0.06	U 0.11	0.09	0.06	U 0.09	
n-Butane	1.63	2.69	1.55	1.78	2.29	2.07	2.14	
trans-2-Butene	0.08	0.11	0.08	0.08	0.10	0.09	0.10	
cis-2-Butene	0.11	0.14	0.12	0.13	0.15	0.11	0.13	
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND	
Isopentane	1.05	1.66	0.90	1.14	1.44	1.37	1.42	
1-Pentene	0.08	0.08	0.06	0.08	0.08	0.08	0.09	
2-Methyl-1-butene	0.05	0.08	0.04	U 0.06	0.07	0.06	0.08	
n-Pentane	0.50	0.82	0.49	0.55	0.99	0.93	0.71	
Isoprene	0.08	0.13	0.07	0.06	0.09	0.10	0.09	
trans-2-Pentene	0.10	0.14	0.08	0.10	0.12	0.11	0.12	
cis-2-Pentene	0.09	0.11	0.08	0.08	0.09	0.08	0.09	
2-Methyl-2-butene	0.13	0.15	0.13	0.16	0.11	0.12	0.12	
2,2-Dimethylbutane	0.11	0.15	0.10	0.13	0.13	0.16	0.14	
Cyclopentene	ND	ND	ND	ND	ND	ND	ND	
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND	
Cyclopentane	0.10	0.14	0.09	0.09	0.12	0.13	0.14	
2,3-Dimethylbutane	0.14	0.19	0.13	0.14	0.15	0.15	0.16	
2-Methylpentane	0.34	0.53	0.28	0.43	0.37	0.36	0.39	
3-Methylpentane	0.26	0.38	0.21	0.26	0.28	0.27	0.30	
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND	
1-Hexene	0.11	0.10	0.09	0.11	0.09	0.09	0.10	
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND	
n-Hexane	0.30	0.43	0.25	0.28	0.30	0.28	0.32	
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND	
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND	
Methylcyclopentane	0.18	0.25	0.15	0.16	0.17	0.17	0.19	
2,4-Dimethylpentane	0.09	0.11	0.07	0.09	0.09	0.08	0.09	
Benzene	0.43	0.50	0.32	0.42	0.37	0.36	0.39	
Cyclohexane	0.12	0.19	0.11	0.11	0.15	0.16	0.15	
2-Methylhexane	0.22	0.27	0.18	0.23	0.24	0.21	0.24	
2,3-Dimethylpentane	0.18	0.17	0.12	0.15	0.16	0.15	0.17	
3-Methylhexane	0.21	0.22	0.14	0.55	0.15	0.17	0.19	
1-Heptene	ND	ND	ND	0.05	ND	ND	ND	
2,2,4-Trimethylpentane	0.17	0.22	0.11	0.15	0.15	0.15	0.16	
n-Heptane	0.12	0.18	0.10	0.11	0.12	0.12	0.13	
Methylcyclohexane	0.11	0.20	0.09	0.13	0.13	0.15	0.10	
2,2,3-Trimethylpentane	0.02	U 0.03	ND	ND	ND	ND	0.02	U
2,3,4-Trimethylpentane	0.06	0.09	0.05	0.06	0.06	0.06	0.07	
Toluene	0.91	1.40	0.67	0.83	0.86	0.85	0.93	
2-Methylheptane	0.05	0.06	0.04	0.04	0.05	0.05	0.06	
3-Methylheptane	0.04	0.07	0.04	0.05	0.04	0.05	0.06	
1-Octene	ND	ND	ND	0.03	ND	ND	ND	
n-Octane	0.06	0.08	0.05	0.06	0.06	0.06	0.06	
Ethylbenzene	0.32	0.29	0.24	0.29	0.17	0.18	0.19	
m-Xylene/p-Xylene	1.18	1.07	0.91	1.00	0.68	0.71	0.70	
Styrene	0.03	0.05	0.05	0.92	0.02	0.04	0.03	
o-Xylene	0.38	0.37	0.31	0.36	0.23	0.24	0.25	
1-Nonene	ND	ND	ND	0.02	U ND	ND	ND	
n-Nonane	0.06	0.06	0.05	0.06	0.05	0.05	0.14	
Isopropylbenzene	0.06	0.09	0.07	0.07	0.04	0.05	0.05	
α-Pinene	ND	ND	ND	ND	0.09	0.08	0.02	U
n-Propylbenzene	0.05	0.05	0.03	U 0.03	U 0.04	0.04	0.05	
m-Ethyltoluene	0.09	0.12	0.07	0.09	0.09	0.09	0.12	
p-Ethyltoluene	0.07	0.08	0.06	0.06	0.06	0.06	0.09	
1,3,5-Trimethylbenzene	0.06	0.08	0.06	0.06	0.06	0.06	0.10	
o-Ethyltoluene	ND	ND	ND	ND	ND	ND	ND	
β-Pinene	0.03	U ND	ND	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	0.15	0.18	0.13	0.15	0.13	0.14	0.19	
1-Decene	ND	ND	ND	ND	ND	ND	ND	
n-Decane	0.06	0.24	0.12	0.14	0.13	0.15	0.29	
1,2,3-Trimethylbenzene	0.03	0.05	0.03	0.04	0.03	0.03	0.05	
m-Diethylbenzene	ND	0.07	ND	ND	ND	ND	ND	
p-Diethylbenzene	ND	0.07	ND	ND	ND	0.04	ND	
1-Undecene	ND	0.13	0.02	U 0.04	0.09	0.09	0.13	
n-Undecane	0.06	0.96	0.19	0.42	0.89	0.88	1.21	
1-Dodecene	ND	ND	ND	ND	ND	ND	ND	
n-Dodecane	0.03	U 0.08	0.10	0.14	0.22	0.22	0.26	
1-Tridecene	ND	ND	ND	ND	ND	ND	ND	
n-Tridecane	ND	ND	0.01	U 0.04	U 0.04	U 0.03	U 0.04	U
TNMOC (speciated) in ppbv	29.46	38.14	23.42	30.52	32.79	28.60	29.97	
TNMOC (w/ unknowns) in ppbC	138.10	350.48	127.88	225.65	170.56	158.05	188.53	

St. Louis, Missouri (SLMO) 2002 Speciated Hydrocarbon Final Data Report (Reported in ppbV)

Sample No.:	SLMO 25478 R2	SLMO 25619	SLMO 25672	SLMO 25823	SLMO 25982	SLMO 26101 D1	SLMO 26101 D1
Sampling Date:	1/26/2002	2/1/2002	2/7/2002	2/13/2002	2/19/2002	2/25/2002	2/25/2002
Analysis Date:	2/8/2002	2/28/2002	2/28/2002	3/1/2002	3/5/2002	3/6/2002	3/6/2002
Filename:	L2BH009	L2B-014	L2B1009	L2B1015	L2CE013	L2CE017	L2CF004
Ethylene	2.80	2.56	4.70	3.11	2.11	2.14	2.02
Acetylene	2.43	2.12	3.44	2.73	1.81	1.79	1.78
Ethane	7.01	6.02	9.79	7.99	4.96	5.56	5.48
Propylene	0.53	0.58	1.13	0.69	0.56	0.51	0.52
Propane	2.15	2.82	4.60	3.24	2.21	2.73	2.77
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.81	0.65	1.09	0.83	0.58	0.58	0.56
Isobutene/1-Butene	0.51	0.49	0.89	0.57	0.48	0.50	0.45
1,3-Butadiene	0.08	0.11	0.19	0.09	0.08	0.07	0.08
n-Butane	2.15	1.80	3.29	2.65	2.01	1.54	1.52
trans-2-Butene	0.11	0.11	0.20	0.13	0.12	0.10	0.09
cis-2-Butene	0.13	0.13	0.19	0.16	0.13	0.12	0.12
3-Methyl-1-butene	ND	ND	0.03	ND	ND	ND	ND
Isopentane	1.43	1.11	NR	1.40	1.17	0.94	0.90
1-Pentene	0.09	0.10	0.13	0.12	0.14	0.08	0.07
2-Methyl-1-butene	0.08	0.08	0.18	0.10	0.08	0.06	0.07
n-Pentane	0.69	0.53	0.77	0.61	0.52	0.58	0.58
Isoprene	0.09	0.14	0.13	0.15	0.07	0.08	0.11
trans-2-Pentene	0.12	0.11	0.17	0.14	0.13	0.11	0.10
cis-2-Pentene	0.09	0.09	0.13	0.11	0.10	0.08	0.09
2-Methyl-2-butene	0.15	0.14	0.20	0.19	0.16	0.13	0.14
2,2-Dimethylbutane	0.15	0.15	0.19	0.15	0.15	0.15	0.14
Cyclopentene	ND	ND	ND	ND	0.05	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.14	0.09	0.14	0.12	0.11	0.11	0.10
2,3-Dimethylbutane	0.17	0.15	0.18	0.16	0.16	0.13	0.14
2-Methylpentane	0.43	0.41	0.79	0.47	0.47	0.33	0.32
3-Methylpentane	0.32	0.27	0.41	0.31	0.29	0.23	0.22
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.09	0.11	0.12	0.12	0.11	0.12	0.11
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.33	0.33	0.47	0.39	0.34	0.27	0.26
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.20	0.18	0.35	0.19	0.18	0.15	0.15
2,4-Dimethylpentane	0.09	0.09	0.12	0.10	0.09	0.09	0.08
Benzene	0.39	0.48	0.69	0.48	0.43	0.37	0.37
Cyclohexane	0.16	0.13	0.15	0.14	0.14	0.19	0.18
2-Methylhexane	0.23	0.18	0.36	0.23	0.21	0.18	0.19
2,3-Dimethylpentane	0.16	0.15	0.19	0.17	0.14	0.14	0.14
3-Methylhexane	0.19	0.17	0.25	0.19	0.16	0.14	0.14
1-Heptene	ND	ND	0.07	ND	ND	ND	ND
2,2,4-Trimethylpentane	0.16	0.17	0.25	0.22	0.18	0.14	0.16
n-Heptane	0.12	0.12	0.18	0.13	0.15	0.11	0.10
Methylcyclohexane	0.11	0.11	0.15	0.14	0.12	0.12	0.13
2,2,3-Trimethylpentane	ND	0.02	U	ND	ND	ND	ND
2,3,4-Trimethylpentane	0.06	0.07	0.11	0.08	0.07	0.06	0.06
Toluene	0.93	0.94	1.39	0.95	0.91	0.91	0.92
2-Methylheptane	0.04	0.06	0.06	0.06	0.05	0.05	0.04
3-Methylheptane	0.06	0.06	0.09	0.06	0.06	0.05	0.05
1-Octene	ND	ND	ND	ND	ND	0.02	U
n-Octane	0.08	0.07	0.11	0.07	0.08	0.06	0.06
Ethylbenzene	0.27	0.27	0.37	0.29	0.29	0.18	0.16
m-Xylene/p-Xylene	0.80	1.05	1.19	1.05	0.98	0.54	0.55
Styrene	0.07	0.04	0.07	0.04	0.11	0.07	0.08
o-Xylene	0.27	0.35	0.42	0.36	0.35	0.20	0.19
1-Nonene	ND	ND	ND	ND	0.02	U	ND
n-Nonane	0.10	0.05	0.09	0.06	0.06	0.04	0.05
Isopropylbenzene	0.07	0.07	0.07	0.06	0.08	0.05	0.04
α-Pinene	ND	ND	0.02	U	ND	0.05	0.05
n-Propylbenzene	0.05	0.03	U	0.04	0.04	0.03	U
m-Ethyltoluene	0.11	0.08	0.13	0.09	0.08	0.09	0.10
p-Ethyltoluene	0.07	0.05	0.08	0.06	0.05	0.04	U
1,3,5-Trimethylbenzene	0.08	0.08	0.09	0.06	0.05	0.04	0.04
o-Ethyltoluene	ND	ND	0.07	ND	ND	ND	ND
β-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.17	0.15	0.23	0.15	0.14	0.11	0.11
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.21	0.47	0.13	0.09	0.09	0.09	0.08
1,2,3-Trimethylbenzene	0.05	0.03	0.09	0.05	0.04	0.07	0.03
m-Diethylbenzene	ND	ND	ND	ND	ND	ND	ND
p-Diethylbenzene	0.05	ND	ND	ND	0.02	ND	0.02
1-Undecene	0.13	ND	ND	ND	ND	0.02	U
n-Undecane	1.19	2.16	0.09	0.06	0.16	0.23	0.25
1-Dodecene	ND	ND	0.01	U	0.02	U	ND
n-Dodecane	0.26	1.94	0.08	0.09	0.12	0.18	0.12
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	0.04	U	0.23	0.02	U	0.03	U
TNMOC (speciated) in ppbv	30.06	31.24	41.44	32.51	24.87	23.92	23.51
TNMOC (w/ unknowns) in ppbC	190.26	217.94	285.40	181.49	182.59	140.66	139.68

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Sample No.:	SLMO 26103 D2	SLMO 26103 R2	SLMO 26236	SLMO 26340	SLMO 26390	SLMO 26455	SLMO 26549
Sampling Date:	2/25/2002	2/25/2002	3/3/2002	3/9/2002	3/15/2002	3/21/2002	3/27/2002
Analysis Date:	3/6/2002	3/6/2002	3/13/2002	3/26/2002	3/28/2002	4/3/2002	4/5/2002
Filename:	L2CE018	L2CF005	L2CM006	L2CY022	L2C-010	L2DB022	L2DE008
Ethylene	2.09	2.09	1.61	1.16	1.94	2.22	3.63
Acetylene	1.83	1.81	1.47	1.07	1.83	2.01	2.98
Ethane	5.50	5.53	4.45	3.56	5.20	6.35	8.64
Propylene	0.54	0.54	0.38	0.36	0.56	0.53	0.84
Propane	2.90	2.88	2.11	1.58	2.88	2.75	3.92
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	0.61	0.58	0.44	0.35	0.73	0.60	0.77
Isobutene/1-Butene	0.42	0.37	0.32	0.33	0.45	0.38	0.60
1,3-Butadiene	0.09	0.06 U	0.05 U	ND	0.07	0.07	0.11
n-Butane	1.58	1.56	0.97	0.90	1.60	1.39	2.10
trans-2-Butene	0.09	0.09	0.08	0.07	0.09	0.10	0.14
cis-2-Butene	0.11	0.11	0.10	0.09	0.12	0.10	0.17
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	1.01	0.98	0.49	0.52	0.93	0.81	1.84
1-Pentene	0.09	0.09	0.07	0.10	0.10	0.07	0.11
2-Methyl-1-butene	0.07	0.06	ND	0.04 U	0.07	0.06	0.11
n-Pentane	0.70	0.69	0.29	0.28	0.42	0.36	0.69
Isoprene	0.09	0.09	0.07	0.06	0.08	0.08	0.10
trans-2-Pentene	0.11	0.11	0.06	0.07	0.10	0.09	0.16
cis-2-Pentene	0.09	0.10	0.07	0.08	0.09	0.09	0.12
2-Methyl-2-butene	0.12	0.12	ND	0.10	0.11	0.18	0.19
2,2-Dimethylbutane	0.12	0.13	0.10	0.10	0.14	0.12	0.17
Cyclopentene	ND	ND	ND	ND	ND	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.12	0.08	0.09	0.08	0.10	0.10	0.11
2,3-Dimethylbutane	0.15	0.13	0.10	0.11	0.17	0.14	0.20
2-Methylpentane	0.35	0.30	0.26	0.21	0.46	0.40	0.54
3-Methylpentane	0.24	0.23	0.16	0.15	0.31	0.24	0.39
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.13	0.12	0.09	0.11	0.11	0.09	0.11
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.25	0.27	0.19	0.19	0.24	0.22	0.38
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.15	0.16	0.13	0.09	0.15	0.14	0.25
2,4-Dimethylpentane	0.09	0.09	0.07	0.07	0.09	0.09	0.12
Benzene	0.38	0.38	0.32	0.26	0.39	0.36	0.48
Cyclohexane	0.23	0.23	0.10	0.08	0.11	0.10	0.17
2-Methylhexane	0.19	0.20	0.23	0.16	0.21	0.25	0.27
2,3-Dimethylpentane	0.14	0.14	0.12	0.13	0.17	0.16	0.19
3-Methylhexane	0.15	0.16	0.07	0.10	0.15	0.13	0.22
1-Heptene	ND	ND	0.03 U	0.02 U	0.04	ND	0.03 U
2,2,4-Trimethylpentane	0.17	0.18	0.10	0.10	0.17	0.17	0.27
n-Heptane	0.11	0.11	0.09	0.08	0.12	0.10	0.16
Methylcyclohexane	0.13	0.13	0.08	0.08	0.12	0.14	0.13
2,2,3-Trimethylpentane	ND	ND	ND	ND	ND	ND	0.04
2,3,4-Trimethylpentane	0.07	0.07	0.07	0.05	0.07	0.08	0.11
Toluene	1.25	1.27	0.55	0.47	0.76	0.76	1.12
2-Methylheptane	0.04	0.05	0.03 U	0.03 U	0.04	0.04	0.05
3-Methylheptane	0.04	0.05	0.04	0.03	0.05	0.05	0.06
1-Octene	0.02 U	0.02 U	0.03 U	0.03	0.03	ND	ND
n-Octane	0.07	0.07	0.06	0.05	0.06	0.06	0.08
Ethylbenzene	0.17	0.18	0.21	0.18	0.25	0.22	0.22
m-Xylene/p-Xylene	0.55	0.55	0.83	0.63	0.87	0.78	0.73
Styrene	0.06	0.03	0.22	0.11	0.09	0.04	0.09
o-Xylene	0.19	0.19	0.29	0.22	0.30	0.28	0.28
1-Nonene	ND	ND	ND	0.02 U	0.03 U	ND	ND
n-Nonane	0.05	0.05	0.04	0.03	0.05	0.05	0.05
Isopropylbenzene	0.05	0.05	0.06	0.05	0.06	0.06	0.05
α-Pinene	ND	ND	ND	ND	0.02 U	0.02 U	0.02 U
n-Propylbenzene	0.03 U	0.04	0.03 U	0.02 U	0.03	0.03 U	0.04
m-Ethyltoluene	0.07	0.07	0.04	0.04	0.07	0.08	0.09
p-Ethyltoluene	0.04	0.05	0.03 U	0.03 U	0.04	0.05	0.06
1,3,5-Trimethylbenzene	0.05	0.05	0.05	0.03	0.04	0.06	0.06
o-Ethyltoluene	ND	ND	ND	ND	ND	ND	ND
β-Pinene	ND	ND	0.09	ND	0.05	ND	0.04
1,2,4-Trimethylbenzene	0.12	0.12	0.11	0.09	0.13	0.13	0.16
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.12	0.13	0.07	0.07	0.10	0.26	0.17
1,2,3-Trimethylbenzene	0.04	0.03	0.03	0.03	0.03	0.03	0.04
m-Diethylbenzene	ND	ND	ND	ND	ND	ND	ND
p-Diethylbenzene	ND	ND	ND	ND	ND	ND	0.04
1-Undecene	0.02 U	0.01 U	ND	ND	ND	0.03 U	0.11
n-Undecane	0.35	0.33	0.09	0.09	0.24	0.34	1.48
1-Dodecene	0.02 U	ND	ND	ND	ND	ND	ND
n-Dodecane	0.22	0.16	0.11	0.11	0.24	0.08	0.40
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	0.06 U	0.03 U	0.03 U	0.03 U	0.18	0.02 U	0.16
TNMOC (speciated) in ppbv	24.85	24.49	18.48	15.29	24.45	24.69	37.15
TNMOC (w/ unknowns) in ppbC	139.60	138.10	173.03	112.31	157.44	170.38	227.16

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Sample No.:	SLMO 26685		SLMO 26804		SLMO 26989		SLMO 27089		SLMO 27310		SLMO 27415		SLMO 27489	
Sampling Date:	4/2/2002		4/8/2002		4/14/2002		4/20/2002		4/26/2002		5/2/2002		5/8/2002	
Analysis Date:	4/11/2002		4/26/2002		4/27/2002		5/2/2002		5/7/2002		5/14/2002		5/20/2002	
Filename:	L2DK006		L2DZ006		L2DZ016		L2EA024		L2EF017		L2EM025		L2ET005	
Ethylene	0.68		1.93		2.01		1.50		1.80		2.77		2.35	
Acetylene	1.31		1.46		1.28		0.95		1.47		2.53		1.43	
Ethane	4.64		4.14		5.49		4.35		4.15		3.68		3.49	
Propylene	0.50		0.53		0.58		0.53		0.61		1.18		0.75	
Propane	2.04		1.88		2.49		2.02		2.24		1.45		1.84	
Propyne	ND		ND		ND		ND		ND		ND		ND	
Isobutane	0.47		0.46		0.63		0.74		0.45		0.45		0.51	
Isobutene/1-Butene	0.38		0.41		0.42		0.32		0.43		0.44		0.53	
1,3-Butadiene	0.06	U	0.06	U	0.08		ND		0.06	U	0.06	U	0.10	
n-Butane	1.06		1.42		1.71		1.22		1.11		0.67		1.16	
trans-2-Butene	0.07		0.09		0.10		0.08		0.09		0.08		0.14	
cis-2-Butene	0.10		0.11		0.13		0.10		0.12		0.10		0.15	
3-Methyl-1-butene	ND		ND		ND		ND		ND		ND		ND	
Isopentane	0.87		1.17		1.45		1.13		1.39		0.78		1.58	
1-Pentene	0.10		0.10		0.11		0.09		0.11		0.12		0.10	
2-Methyl-1-butene	0.04	U	0.08		0.08		0.07		0.08		0.06		0.09	
n-Pentane	0.35		0.46		0.56		0.47		0.51		0.31		0.56	
Isoprene	0.08		0.07		0.07		0.06		0.07		0.06		0.19	
trans-2-Pentene	0.08		0.11		0.13		0.10		0.12		0.08		0.16	
cis-2-Pentene	0.09		0.09		0.10		0.08		0.09		0.08		0.12	
2-Methyl-2-butene	0.09		0.09		0.12		0.06		0.09		0.06		0.18	
2,2-Dimethylbutane	0.09		0.14		0.14		0.10		0.11		0.11		0.18	
Cyclopentene	ND		ND		ND		0.03	U	ND		ND		ND	
4-Methyl-1-pentene	ND		ND		ND		ND		ND		ND		ND	
Cyclopentane	0.08		0.08		0.11		0.07		0.09		0.08		0.12	
2,3-Dimethylbutane	0.14		0.15		0.17		0.15		0.19		0.16		0.25	
2-Methylpentane	0.27		0.34		0.49		0.35		0.38		0.33		0.65	
3-Methylpentane	0.24		0.25		0.30		0.33		0.30		0.25		0.40	
2-Methyl-1-pentene	ND		ND		ND		ND		ND		ND		ND	
1-Hexene	0.11		0.11		0.10		0.10		0.09		0.12		0.15	
2-Ethyl-1-butene	ND		ND		ND		ND		ND		ND		ND	
n-Hexane	0.25		0.26		0.38		0.34		0.49		0.23		0.43	
trans-2-Hexene	ND		ND		ND		ND		ND		ND		ND	
cis-2-Hexene	ND		ND		ND		ND		ND		ND		ND	
Methylcyclopentane	0.14		0.16		0.20		0.17		0.21		0.14		0.23	
2,4-Dimethylpentane	0.08		0.11		0.12		0.11		0.13		0.14		0.18	
Benzene	0.30		0.37		0.36		0.29		0.36		0.29		0.36	
Cyclohexane	0.09		0.11		0.11		0.11		0.11		0.09		0.13	
2-Methylhexane	0.20		0.19		0.23		0.19		0.21		0.21		0.31	
2,3-Dimethylpentane	0.17		0.17		0.18		0.17		0.20		0.25		0.22	
3-Methylhexane	0.13		0.21		0.19		0.17		0.22		ND		0.35	
1-Heptene	0.04		ND		ND		0.03	U	ND		ND		ND	
2,2,4-Trimethylpentane	0.18		0.29		0.34		0.27		0.40		0.40		0.59	
n-Heptane	0.11		0.13		0.13		0.13		0.15		0.13		0.22	
Methylcyclohexane	0.09		0.10		0.10		0.11		0.10		0.08		0.18	
2,2,3-Trimethylpentane	ND		0.03		0.04		0.04		0.06		0.05		ND	
2,3,4-Trimethylpentane	0.07		0.11		0.13		0.11		0.16		0.14		0.22	
Toluene	0.69		1.05		1.00		0.81		1.01		0.84		1.48	
2-Methylheptane	0.04		0.06		0.06		0.06		0.06		0.05		0.12	
3-Methylheptane	0.04		0.06		0.06		0.06		0.07		0.05		0.12	
1-Octene	0.04		0.03	U	0.02	U	0.03	U	0.02	U	0.03		ND	
n-Octane	0.06		0.08		0.09		0.09		0.08		0.07		0.21	
Ethylbenzene	0.19		0.24		0.24		0.20		0.22		0.21		0.26	
m-Xylene/p-Xylene	0.70		0.85		0.81		0.70		0.74		0.64		0.72	
Styrene	0.12		0.15		0.12		0.15		ND		0.39		0.13	
o-Xylene	0.24		0.31		0.30		0.27		0.27		0.23		0.27	
1-Nonene	0.03	U	0.03	U	ND		ND		ND		0.02	U	ND	
n-Nonane	0.05		0.06		0.07		0.06		0.06		0.05		0.09	
Isopropylbenzene	0.05		0.07		0.06		0.06		0.06		0.05		0.06	
à-Pinene	ND		ND		ND		ND		ND		ND		ND	
n-Propylbenzene	0.03	U	0.05		0.05		0.03		0.04		0.04		0.04	
m-Ethyltoluene	0.07		0.09		0.10		0.07		0.10		0.06		0.09	
p-Ethyltoluene	0.05		0.06		0.07		0.06		0.07		0.06		0.07	
1,3,5-Trimethylbenzene	0.04		0.05		0.07		0.05		0.06		0.06		0.06	
o-Ethyltoluene	ND		ND		ND		ND		ND		ND		ND	
b-Pinene	ND		ND		ND		ND		ND		ND		0.05	
1,2,4-Trimethylbenzene	0.12		0.15		0.16		0.13		0.18		0.11		0.14	
1-Decene	ND		ND		ND		ND		ND		ND		ND	
n-Decane	0.11		0.09		0.15		0.09		0.06		0.08		0.11	
1,2,3-Trimethylbenzene	ND		0.03		0.04		0.03		0.04		0.04		0.09	
m-Diethylbenzene	ND		ND		ND		ND		0.10		ND		ND	
p-Diethylbenzene	ND		ND		0.02		ND		0.02		ND		ND	
1-Undecene	0.03	U	ND		0.04		ND		ND		ND		0.05	
n-Undecane	0.37		0.10		0.46		0.13		0.06		0.07		0.58	
1-Dodecene	0.02	U	0.05	U	0.07		ND		0.01	U	0.02	U	ND	
n-Dodecane	0.10		0.06	U	0.13		0.13		0.07		0.06	U	0.12	
1-Tridecene	ND		ND		ND		0.01	U	ND		ND		ND	
n-Tridecane	0.03	U	0.03	U	0.09		0.05	U	0.02	U	0.01	U	0.03	U
TNMOC (speciated) in ppbv	19.01		21.68		25.59		20.49		22.36		21.39		25.48	
TNMOC (w/ unknowns) in ppbC	132.5372063		147.2723822		189.1680681		134.2678482		112.2492199		185.71		258.87	

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Sample No.:	SLMO 27565 D1	SLMO 27565 R1	SLMO 27567 D2	SLMO 27567 R2	SLMO 27735	SLMO 27899	SLMO 27902			
Sampling Date:	5/14/2002	5/14/2002	5/14/2002	5/14/2002	5/20/2002	5/26/2002	6/1/2002			
Analysis Date:	5/22/2002	5/23/2002	5/22/2002	5/23/2002	5/31/2002	6/12/2002	6/12/2002			
Filename:	L2EU023	L2EV014	L2EU024	L2EV015	L2E%006	L2FK020	L2FK021			
Ethylene	1.95	1.95	2.05	1.94	2.86	1.16	1.09			
Acetylene	1.20	1.18	1.20	1.19	1.66	0.95	1.37			
Ethane	4.08	4.09	4.20	4.07	6.54	3.56	3.79			
Propylene	0.63	0.66	0.64	0.64	0.83	0.43	0.82			
Propane	1.89	1.91	1.92	1.90	2.43	1.81	1.86			
Propyne	ND	ND	ND	ND	ND	ND	ND			
Isobutane	0.62	0.64	0.63	0.62	0.72	0.45	0.59			
Isobutene/1-Butene	0.33	0.41	0.34	0.41	0.44	0.31	0.48			
1,3-Butadiene	0.08	0.08	0.08	0.06	U	0.05	U	0.08		
n-Butane	1.08	1.08	1.08	1.08	0.97	1.18	0.89			
trans-2-Butene	0.09	0.09	0.09	0.09	0.08	0.07	0.09			
cis-2-Butene	0.13	0.12	0.12	0.12	0.12	0.13	0.11			
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	0.03	U		
Isopentane	1.67	1.65	1.67	1.68	1.40	1.24	1.64			
1-Pentene	0.11	0.12	0.12	0.12	0.12	0.09	0.11			
2-Methyl-1-butene	0.08	0.07	0.08	0.08	0.08	0.06	0.10			
n-Pentane	0.55	0.55	0.55	0.54	0.49	0.48	0.54			
Isoprene	0.13	0.13	0.12	0.12	0.13	0.10	1.72			
trans-2-Pentene	0.14	0.15	0.15	0.15	0.14	0.10	0.15			
cis-2-Pentene	0.11	0.11	0.12	0.11	0.09	0.08	0.11			
2-Methyl-2-butene	0.10	0.09	0.09	0.10	0.08	0.05	0.15			
2,2-Dimethylbutane	0.14	0.14	0.15	0.14	0.13	0.11	0.16			
Cyclopentene	ND	ND	ND	ND	ND	ND	ND			
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND			
Cyclopentane	0.12	0.12	0.10	0.10	0.11	0.10	0.12			
2,3-Dimethylbutane	0.25	0.25	0.24	0.25	0.22	0.16	0.25			
2-Methylpentane	0.53	0.48	0.49	0.52	0.50	0.30	0.93			
3-Methylpentane	0.44	0.39	0.39	0.39	0.39	0.25	0.41			
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND			
1-Hexene	0.10	0.09	0.09	0.10	0.15	0.11	0.11			
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND			
n-Hexane	0.38	0.37	0.41	0.38	0.36	0.22	0.39			
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND			
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND			
Methylcyclopentane	0.23	0.23	0.23	0.23	0.21	0.13	0.23			
2,4-Dimethylpentane	0.16	0.16	0.16	0.17	0.17	0.11	0.18			
Benzene	0.34	0.34	0.35	0.35	0.31	0.27	0.34			
Cyclohexane	0.11	0.11	0.12	0.11	0.10	0.10	0.10			
2-Methylhexane	0.29	0.29	0.29	0.29	0.26	0.14	0.25			
2,3-Dimethylpentane	0.24	0.25	0.25	0.25	0.31	0.18	0.29			
3-Methylhexane	0.26	0.27	0.26	0.27	0.28	0.27	0.29			
1-Heptene	ND	ND	ND	ND	ND	ND	ND			
2,2,4-Trimethylpentane	0.60	0.59	0.58	0.59	0.59	0.35	0.67			
n-Heptane	0.18	0.16	0.16	0.17	0.17	0.10	0.16			
Methylcyclohexane	0.13	0.11	0.13	0.10	0.12	0.18	0.16			
2,2,3-Trimethylpentane	0.08	0.09	0.07	0.10	0.09	0.05	0.10			
2,3,4-Trimethylpentane	0.23	0.22	0.22	0.23	0.21	0.13	0.25			
Toluene	1.14	1.13	1.15	1.13	1.16	0.91	1.22			
2-Methylheptane	0.08	0.07	0.08	0.08	0.06	0.04	0.07			
3-Methylheptane	0.08	0.08	0.09	0.08	0.08	0.04	0.07			
1-Octene	ND	ND	ND	0.02	U	0.04	0.03			
n-Octane	0.09	0.09	0.10	0.09	0.09	0.06	0.10			
Ethylbenzene	0.17	0.17	0.17	0.17	0.20	0.15	0.23			
m-Xylene/p-Xylene	0.53	0.52	0.53	0.52	0.73	0.52	0.72			
Styrene	ND	ND	ND	ND	0.46	0.17	0.34			
o-Xylene	0.21	0.21	0.21	0.20	0.28	0.21	0.27			
1-Nonene	0.02	U	ND	0.02	U	0.02	U	0.03	U	
n-Nonane	0.05	0.05	0.05	0.05	0.07	0.06	0.08			
Isopropylbenzene	0.04	0.03	ND	0.04	0.04	0.04	0.04			
a-Pinene	0.01	U	ND	ND	0.04	ND	0.05			
n-Propylbenzene	0.04	0.04	0.04	0.04	0.04	0.04	0.06			
m-Ethyltoluene	0.10	0.09	0.08	0.09	0.10	0.06	0.15			
p-Ethyltoluene	0.06	0.06	0.06	0.06	0.06	0.05	0.09			
1,3,5-Trimethylbenzene	0.07	0.06	0.07	0.06	0.07	0.04	0.09			
o-Ethyltoluene	ND	ND	ND	ND	0.05	ND	ND			
b-Pinene	ND	ND	ND	ND	ND	ND	ND			
1,2,4-Trimethylbenzene	0.14	0.14	0.13	0.15	0.17	0.12	0.27			
1-Decene	ND	ND	ND	ND	ND	ND	ND			
n-Decane	0.08	0.06	0.08	0.07	0.10	0.11	0.12			
1,2,3-Trimethylbenzene	0.03	0.02	0.03	0.03	0.04	0.02	0.05			
m-Diethylbenzene	0.02	U	0.01	U	0.02	U	ND	ND		
p-Diethylbenzene	ND	0.01	0.02	0.01	U	0.02	0.01	ND		
1-Undecene	ND	ND	ND	ND	ND	ND	ND			
n-Undecane	0.05	0.04	0.08	0.05	0.10	0.11	0.07			
1-Dodecene	ND	ND	ND	ND	0.01	U	0.02	U	0.09	
n-Dodecane	0.07	0.03	U	0.03	U	0.05	U	0.09	0.05	U
1-Tridecene	ND	ND	ND	ND	ND	ND	ND			
n-Tridecane	0.02	U	ND	0.01	U	ND	0.02	U	0.03	U
TNMOC (speciated) in ppbv	22.91	22.67	22.94	22.76	27.99	18.50	25.41			
TNMOC (w/ unknowns) in ppbC	133.49	129.99	146.85	148.54	216.59	130.15	234.76			

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Sample No.:	SLMO 27994	SLMO 28130	SLMO 28279	SLMO 28342 D1	SLMO 28342 R1	SLMO 28343 D2	SLMO 28343 R2
Sampling Date:	6/7/2002	6/13/2002	6/19/2002	6/25/2002	6/25/2002	6/25/2002	6/25/2002
Analysis Date:	7/3/2002	7/12/2002	7/12/2002	7/21/2002	8/12/2002	7/21/2002	8/13/2002
Filename:	VOID	L2GB017	N2GL007	N2GT011	L2HL013	N2GT012	L2HL014
Ethylene		1.35	1.81	2.50	3.12	2.51	3.07
Acetylene		0.98	1.37	1.82	1.88	1.82	1.79
Ethane		2.78	2.63	3.13	3.78	3.15	3.70
Propylene		0.67	0.54	0.76	0.99	0.75	0.99
Propane		1.29	1.41	2.09	2.42	2.13	2.35
Propyne		ND	ND	ND	ND	ND	ND
Isobutane		0.40	0.41	0.68	0.77	0.69	0.78
Isobutene/1-Butene		0.42	0.49	0.46	0.55	0.48	0.57
1,3-Butadiene		0.06	U 0.11	0.09	0.09	0.08	0.09
n-Butane		0.85	1.43	1.88	1.96	1.93	2.06
trans-2-Butene		0.09	0.10	0.11	0.21	0.09	0.20
cis-2-Butene		0.12	0.15	0.16	0.23	0.15	0.24
3-Methyl-1-butene		0.03	U 0.03	U 0.04	ND	U 0.04	ND
Isopentane		1.13	1.84	2.50	2.44	2.43	2.53
1-Pentene		0.16	0.12	0.14	0.20	0.14	0.22
2-Methyl-1-butene		0.09	0.12	0.13	0.14	0.14	0.16
n-Pentane		0.36	0.60	0.83	0.84	0.82	0.91
Isoprene		0.78	0.38	0.42	0.42	0.42	0.46
trans-2-Pentene		0.13	0.15	0.31	0.21	0.29	0.23
cis-2-Pentene		0.10	0.11	0.11	0.17	0.11	0.20
2-Methyl-2-butene		0.08	0.09	0.13	0.14	0.13	0.15
2,2-Dimethylbutane		0.12	0.14	0.14	0.27	0.14	0.27
Cyclopentene		0.03	U ND	ND	ND	ND	ND
4-Methyl-1-pentene		ND	ND	ND	ND	ND	ND
Cyclopentane		0.10	0.16	0.22	0.18	0.13	0.22
2,3-Dimethylbutane		0.19	0.27	0.35	0.56	0.32	0.59
2-Methylpentane		0.37	0.51	0.69	0.94	0.68	0.96
3-Methylpentane		0.30	0.32	0.43	0.54	0.44	0.56
2-Methyl-1-pentene		ND	ND	ND	ND	ND	ND
1-Hexene		0.16	0.14	0.11	0.18	0.15	0.20
2-Ethyl-1-butene		ND	ND	ND	ND	ND	ND
n-Hexane		0.28	0.31	0.51	0.54	0.51	0.64
trans-2-Hexene		ND	ND	ND	ND	ND	ND
cis-2-Hexene		ND	ND	ND	ND	ND	ND
Methylcyclopentane		0.17	0.19	0.30	0.31	0.29	0.35
2,4-Dimethylpentane		0.13	0.14	0.20	0.26	0.20	0.27
Benzene		0.26	0.32	0.44	0.43	0.44	0.47
Cyclohexane		0.09	0.15	0.17	0.24	0.15	0.26
2-Methylhexane		0.19	0.31	0.36	0.36	0.33	0.37
2,3-Dimethylpentane		0.19	0.22	0.31	0.36	0.33	0.38
3-Methylhexane		0.32	0.22	0.31	0.33	0.33	0.34
1-Heptene		ND	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane		0.47	0.50	0.69	0.73	0.71	0.77
n-Heptane		0.12	0.20	0.22	0.21	0.26	0.23
Methylcyclohexane		0.09	0.10	0.13	0.19	0.12	0.19
2,2,3-Trimethylpentane		0.07	0.08	0.11	0.11	0.11	0.11
2,3,4-Trimethylpentane		0.17	0.18	0.26	0.28	0.27	0.30
Toluene		0.87	1.11	1.56	1.28	1.57	1.40
2-Methylheptane		0.06	0.05	0.07	0.10	0.07	0.10
3-Methylheptane		0.05	0.09	0.10	0.11	0.08	0.10
1-Octene		0.06	ND	ND	ND	ND	0.03
n-Octane		0.07	0.09	0.11	0.11	0.10	0.12
Ethylbenzene		0.17	0.24	0.25	0.18	0.26	0.23
m-Xylene/p-Xylene		0.63	0.85	0.84	0.52	0.87	0.64
Styrene		0.12	0.04	0.05	0.17	0.06	0.19
o-Xylene		0.23	0.28	0.17	0.23	0.35	0.28
1-Nonene		0.04	ND	ND	ND	0.02	U 0.03
n-Nonane		0.05	ND	0.11	0.08	0.11	0.09
Isopropylbenzene		0.04	ND	0.05	0.06	0.05	0.07
à-Pinene		0.03	ND	0.17	ND	0.15	ND
n-Propylbenzene		0.05	ND	0.06	0.05	0.05	0.07
m-Ethyltoluene		0.08	ND	0.15	0.11	0.15	0.11
p-Ethyltoluene		0.06	ND	0.11	0.08	0.10	0.09
1,3,5-Trimethylbenzene		0.06	ND	0.10	0.07	0.10	0.08
o-Ethyltoluene		0.05	ND	ND	0.12	ND	0.11
b-Pinene		ND	ND	ND	0.14	ND	0.19
1,2,4-Trimethylbenzene		0.16	ND	0.24	0.20	0.25	0.24
1-Decene		ND	ND	ND	ND	ND	ND
n-Decane		0.05	ND	0.26	0.29	0.19	0.28
1,2,3-Trimethylbenzene		0.03	ND	0.07	0.16	0.08	0.08
m-Diethylbenzene		ND	ND	0.05	ND	0.05	ND
p-Diethylbenzene		0.02	ND	ND	0.04	ND	0.05
1-Undecene		ND	ND	ND	ND	ND	ND
n-Undecane		0.13	ND	0.59	0.52	0.63	0.57
1-Dodecene		0.02	U ND	ND	0.04	U ND	0.04
n-Dodecane		0.08	ND	0.06	U 0.11	0.06	U 0.11
1-Tridecene		ND	ND	ND	0.03	U ND	0.03
n-Tridecane		0.03	U ND	ND	ND	ND	ND
TNMOC (speciated) in ppbv		18.94	21.10	29.39	32.42	29.57	33.48
TNMOC (w/ unknowns) in ppbC		135.79	234.92	200.52	218.11	202.59	227.41

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Sample No.:	SLMO 28546	SLMO 28663	SLMO 28791	SLMO 28926	SLMO 29048	SLMO 29081	SLMO 29532
Sampling Date:	7/1/2002	7/7/2002	7/13/2002	7/19/2002	7/25/2002	7/31/2002	8/6/2002
Analysis Date:	8/1/2002	8/1/2002	8/6/2002	8/8/2002	8/14/2002	8/16/2002	
Filename:	L2HA011	L2HA014	L2HE016	L2HG012	L2HM016	L2HO012	VOID
Ethylene	2.50	1.92	2.04	3.10	2.70	3.37	
Acetylene	1.97	1.09	1.11	1.70	1.70	1.09	
Ethane	3.79	3.74	4.52	4.72	4.16	2.96	
Propylene	0.84	0.68	0.71	1.03	0.95	1.47	
Propane	1.78	2.24	1.80	2.38	2.76	1.91	
Propyne	ND	ND	ND	ND	ND	ND	
Isobutane	0.64	0.58	0.61	0.65	0.62	0.60	
Isobutene/1-Butene	0.49	0.38	0.50	0.62	0.61	1.45	
1,3-Butadiene	0.09	ND	ND	0.11	0.10	0.07	
n-Butane	1.16	1.59	0.83	1.17	1.43	1.83	
trans-2-Butene	0.16	0.14	0.12	0.18	0.17	0.21	
cis-2-Butene	0.20	0.17	0.16	0.22	0.22	0.24	
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	
Isopentane	2.30	2.36	4.88	2.00	2.10	9.62	
1-Pentene	0.16	0.12	0.12	0.14	0.17	0.23	
2-Methyl-1-butene	0.14	0.10	0.12	0.11	0.13	0.20	
n-Pentane	0.64	0.80	0.49	0.70	1.46	0.87	
Isoprene	4.22	0.41	0.31	2.03	1.65	1.01	
trans-2-Pentene	0.20	0.15	0.13	0.22	0.21	0.24	
cis-2-Pentene	0.17	0.15	0.14	0.19	0.18	0.18	
2-Methyl-2-butene	0.16	0.06	0.09	0.15	0.14	0.17	
2,2-Dimethylbutane	0.22	0.19	0.18	0.25	0.26	0.23	
Cyclopentene	ND	ND	ND	ND	ND	ND	
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	
Cyclopentane	0.16	0.17	0.14	0.19	0.19	0.17	
2,3-Dimethylbutane	0.44	0.38	0.30	0.54	0.46	0.46	
2-Methylpentane	0.80	0.66	0.52	0.98	1.01	1.00	
3-Methylpentane	0.47	0.41	0.31	0.59	0.56	0.49	
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	
1-Hexene	0.17	0.16	0.17	0.20	0.21	0.20	
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	
n-Hexane	0.49	0.58	0.31	0.57	0.75	0.39	
trans-2-Hexene	ND	ND	ND	ND	ND	ND	
cis-2-Hexene	ND	ND	ND	ND	ND	ND	
Methylcyclopentane	0.29	0.26	0.24	0.36	0.34	0.37	
2,4-Dimethylpentane	0.23	0.18	0.17	0.26	0.23	0.19	
Benzene	0.37	0.35	0.51	0.46	0.43	0.36	
Cyclohexane	0.19	0.18	0.17	0.22	0.25	0.22	
2-Methylhexane	0.37	0.27	0.32	0.30	0.36	0.28	
2,3-Dimethylpentane	0.32	0.26	0.23	0.37	0.34	0.30	
3-Methylhexane	0.33	0.21	0.20	0.37	0.32	0.28	
1-Heptene	ND	ND	ND	ND	0.04	0.06	
2,2,4-Trimethylpentane	0.67	0.44	0.44	0.79	0.65	0.48	
n-Heptane	0.21	0.14	0.13	0.25	0.22	0.17	
Methylcyclohexane	0.17	0.13	0.13	0.19	0.17	0.15	
2,2,3-Trimethylpentane	0.09	0.05	0.06	0.12	0.09	0.08	
2,3,4-Trimethylpentane	0.26	0.17	0.16	0.32	0.26	0.23	
Toluene	2.00	0.77	0.82	1.56	1.11	1.12	
2-Methylheptane	0.13	0.07	0.06	0.11	0.09	0.07	
3-Methylheptane	0.13	0.08	0.08	0.11	0.11	0.08	
1-Octene	ND	ND	ND	ND	0.04	0.04	
n-Octane	0.23	0.08	0.08	0.12	0.11	0.12	
Ethylbenzene	0.23	0.17	0.21	0.28	0.23	0.22	
m-Xylene/p-Xylene	0.73	0.47	0.56	0.79	0.69	0.56	
Styrene	0.23	0.19	0.23	0.16	0.22	0.42	
o-Xylene	0.31	0.20	0.24	0.33	0.28	0.24	
1-Nonene	ND	ND	ND	ND	0.03	ND	
n-Nonane	0.08	0.05	0.07	0.09	0.08	0.08	
Isopropylbenzene	0.07	0.07	0.08	0.08	0.08	0.08	
à-Pinene	ND	ND	0.10	ND	0.08	0.42	
n-Propylbenzene	0.06	0.05	0.05	0.07	0.07	0.07	
m-Ethyltoluene	0.11	0.07	0.06	0.14	0.11	0.09	
p-Ethyltoluene	0.09	0.05	0.05	0.10	0.09	0.06	
1,3,5-Trimethylbenzene	0.07	0.05	0.06	0.10	0.08	0.05	
o-Ethyltoluene	0.32	ND	0.08	ND	0.10	0.08	
b-Pinene	ND	ND	0.17	0.18	0.24	ND	
1,2,4-Trimethylbenzene	0.21	0.14	0.16	0.26	0.21	0.15	
1-Decene	ND	ND	ND	ND	ND	ND	
n-Decane	0.15	0.10	0.13	0.18	0.16	0.11	
1,2,3-Trimethylbenzene	0.06	0.07	0.06	0.07	0.09	0.07	
m-Diethylbenzene	ND	ND	ND	ND	ND	ND	
p-Diethylbenzene	0.04	ND	0.02	0.04	ND	0.04	
1-Undecene	ND	ND	ND	ND	ND	ND	
n-Undecane	0.71	0.11	0.07	0.49	0.81	0.24	
1-Dodecene	ND	0.04	0.02	0.05	0.05	0.02	U
n-Dodecane	0.09	0.12	0.04	0.11	0.12	0.06	U
1-Tridecene	ND	ND	ND	ND	ND	ND	
n-Tridecane	ND	ND	ND	ND	ND	ND	
TNMOC (speciated) in ppbv	33.92	24.79	26.86	34.16	33.85	38.30	
TNMOC (w/ unknowns) in ppbC	257.37	195.94	201.06	323.91	243.84	323.63	

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Sample No.:	SLMO 29534	SLMO 29302	SLMO 29537	SLMO 29571	SLMO 29712	SLMO 29803 D1	SLMO 29803 R1		
Sampling Date:	8/12/2002	8/18/2002	8/24/2002	8/30/2002	9/5/2002	9/11/2002	9/11/2002		
Analysis Date:		9/12/2002	9/18/2002	9/23/2002	9/25/2002	10/11/2002	10/15/2002		
Filename:	VOID	L2IK016	L2IQ017	L2IW006	L2IX018	L2JJ015	L2JO007		
Ethylene		2.70	2.12	2.17	2.61	1.60	1.55		
Acetylene		1.46	1.25	2.51	1.53	1.25	1.22		
Ethane		4.17	3.75	4.47	3.77	2.83	2.75		
Propylene		0.84	0.71	0.77	0.90	0.64	0.58		
Propane		1.93	2.08	2.10	3.00	1.46	1.24		
Propyne		ND	ND	ND	ND	ND	ND		
Isobutane		0.63	0.61	0.67	0.69	0.55	0.53		
Isobutene/1-Butene		0.53	0.44	0.47	0.53	0.36	0.34		
1,3-Butadiene		0.09	0.07	0.06	U	ND	ND		
n-Butane		1.01	1.04	1.03	1.29	0.79	0.75		
trans-2-Butene		0.14	0.18	0.12	0.14	0.12	0.10		
cis-2-Butene		0.18	0.16	0.13	0.17	0.15	0.13		
3-Methyl-1-butene		ND	ND	ND	ND	ND	ND		
Isopentane		1.60	1.71	1.61	2.00	1.15	1.13		
1-Pentene		0.11	0.12	0.16	ND	ND	0.11		
2-Methyl-1-butene		0.08	ND	0.07	0.10	0.05	U	0.04	U
n-Pentane		0.75	0.84	0.65	0.82	0.38	0.37		
Isoprene		0.71	0.47	0.25	0.27	0.16	0.16		
trans-2-Pentene		0.16	0.15	0.14	0.15	0.10	0.09		
cis-2-Pentene		0.14	0.13	0.13	0.13	0.09	0.11		
2-Methyl-2-butene		0.12	0.15	0.09	0.10	0.04	U	0.05	
2,2-Dimethylbutane		0.20	0.20	0.18	0.21	0.12	0.13		
Cyclopentene		ND	ND	ND	ND	0.06	0.07		
4-Methyl-1-pentene		ND	ND	ND	ND	ND	ND		
Cyclopentane		0.14	0.14	0.13	0.14	0.11	0.13		
2,3-Dimethylbutane		0.31	0.28	0.26	0.29	0.19	0.18		
2-Methylpentane		0.73	0.68	0.47	0.63	0.27	0.26		
3-Methylpentane		0.42	0.40	0.40	0.46	0.13	0.19		
2-Methyl-1-pentene		ND	ND	ND	ND	ND	ND		
1-Hexene		0.12	0.13	0.16	0.15	0.10	0.11		
2-Ethyl-1-butene		ND	ND	ND	ND	ND	ND		
n-Hexane		0.39	0.34	0.37	0.44	0.23	0.20		
trans-2-Hexene		ND	ND	ND	ND	ND	ND		
cis-2-Hexene		ND	ND	ND	ND	ND	ND		
Methylcyclopentane		0.23	0.23	0.24	0.28	0.15	0.18		
2,4-Dimethylpentane		0.20	0.19	0.18	0.19	0.13	0.14		
Benzene		0.32	0.30	0.46	0.39	0.28	0.27		
Cyclohexane		0.16	0.14	0.14	0.15	0.16	0.06		
2-Methylhexane		0.34	0.25	0.16	0.28	0.08	0.08		
2,3-Dimethylpentane		0.34	0.28	0.21	0.26	0.15	0.13		
3-Methylhexane		0.29	0.23	0.31	0.53	0.19	0.13		
1-Heptene		ND	ND	0.05	0.07	ND	0.04		
2,2,4-Trimethylpentane		0.56	0.54	0.45	0.51	0.30	0.28		
n-Heptane		0.16	0.16	0.17	0.23	0.11	0.11		
Methylcyclohexane		0.15	0.15	0.16	0.20	0.11	0.08		
2,2,3-Trimethylpentane		0.08	0.09	0.06	0.07	ND	ND		
2,3,4-Trimethylpentane		0.26	0.21	0.17	0.19	0.12	0.13		
Toluene		2.18	1.12	1.14	1.07	0.65	0.61		
2-Methylheptane		0.07	0.07	0.06	0.08	0.05	0.09		
3-Methylheptane		0.08	0.09	0.08	0.10	0.05	0.05		
1-Octene		ND	ND	0.06	0.04	0.05	0.05		
n-Octane		0.10	0.09	0.10	0.12	0.10	0.09		
Ethylbenzene		0.72	0.24	0.25	0.21	0.12	0.12		
m-Xylene/p-Xylene		2.98	0.74	0.77	0.65	0.43	0.36		
Styrene		0.02	0.11	0.18	0.25	0.22	ND		
o-Xylene		1.17	0.32	0.32	0.28	0.18	0.16		
1-Nonene		ND	ND	0.04	0.04	0.03	U	0.03	U
n-Nonane		0.09	0.07	0.09	0.13	0.08	0.06		
Isopropylbenzene		0.08	0.07	0.07	0.07	0.06	0.05		
α-Pinene		0.09	0.05	0.09	0.06	ND	ND		
n-Propylbenzene		0.06	0.05	0.04	0.07	0.03	0.05		
m-Ethyltoluene		0.13	0.10	0.11	0.13	0.09	0.07		
p-Ethyltoluene		0.08	0.09	0.09	0.10	0.07	0.05		
1,3,5-Trimethylbenzene		0.07	0.08	0.09	0.13	0.07	0.07		
o-Ethyltoluene		ND	0.11	0.09	ND	ND	ND		
β-Pinene		ND	0.20	0.25	ND	0.14	ND		
1,2,4-Trimethylbenzene		0.23	0.20	0.24	0.25	0.15	0.13		
1-Decene		ND	ND	ND	ND	ND	ND		
n-Decane		0.63	0.17	0.15	0.21	0.20	0.07		
1,2,3-Trimethylbenzene		0.09	0.06	0.05	0.06	0.03	0.03		
m-Diethylbenzene		0.96	ND	ND	ND	ND	ND		
p-Diethylbenzene		0.05	ND	ND	ND	ND	ND		
1-Undecene		ND	ND	0.02	U	ND	ND		
n-Undecane		0.29	0.12	0.09	0.12	0.06	0.09		
1-Dodecene		0.03	U	0.03	U	0.03	U	ND	ND
n-Dodecane		0.05	U	0.05	U	0.05	U	0.07	
1-Tridecene		0.03	U	0.02	U	ND	ND		
n-Tridecane		ND	ND	ND	ND	ND	ND		
TNMOC (speciated) in ppbv		33.01	25.20	26.89	28.19	17.65	16.45		
TNMOC (w/ unknowns) in ppbC		260.52	193.44	188.92	212.83	132.50	121.93		

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Sample No.:	SLMO 29805 D2	SLMO 29805 R2	SLMO 29974	SLMO 29984	SLMO 30098	SLMO 30090	SLMO 31068
Sampling Date:	9/11/2002	9/11/2002	9/17/2002	9/23/2002	9/29/2002	10/5/2002	12/4/2002
Analysis Date:	10/11/2002	10/15/2002		10/16/2002	10/18/2002	10/23/2002	1/2/2003
Filename:	L2JJ016	L2JC008	VOID	L2JP015	L2JR008	L2JV018	L3AB015
Ethylene	1.50	1.43		6.18	3.67	2.45	3.30
Acetylene	1.20	1.15		3.70	1.21	1.35	2.75
Ethane	2.72	2.70		10.14	4.81	4.25	5.94
Propylene	0.59	0.55		1.87	1.32	0.75	0.78
Propane	1.47	1.39		3.60	7.95	2.01	2.50
Propyne	ND	ND		ND	ND	ND	ND
Isobutane	0.55	0.50		1.89	3.43	0.89	0.89
Isobutene/1-Butene	0.34	0.32		0.96	1.32	0.51	0.40
1,3-Butadiene	ND	ND		0.22	0.10	0.07	0.07
n-Butane	0.84	0.83		2.98	1.85	2.51	2.03
trans-2-Butene	0.11	0.09		0.22	0.14	0.16	0.06
cis-2-Butene	0.15	0.13		0.28	0.21	0.18	0.14
3-Methyl-1-butene	ND	ND		0.08	0.06	ND	ND
Isopentane	1.08	1.04		4.51	8.64	2.17	1.38
1-Pentene	ND	0.12		0.27	0.26	ND	0.06
2-Methyl-1-butene	0.05	0.04	U	0.24	0.14	0.11	0.08
n-Pentane	0.37	0.35		1.38	1.45	0.67	0.67
Isoprene	0.16	0.17		0.46	0.38	0.21	0.11
trans-2-Pentene	0.11	0.08		0.39	0.20	0.18	0.09
cis-2-Pentene	0.11	0.10		0.25	0.18	0.12	0.04
2-Methyl-2-butene	0.05	U	0.05	0.33	0.13	0.13	0.08
2,2-Dimethylbutane	0.13	0.13		0.34	0.21	0.16	0.06
Cyclopentene	ND	ND		ND	ND	ND	0.07
4-Methyl-1-pentene	ND	ND		ND	ND	ND	ND
Cyclopentane	0.11	0.11		0.24	0.28	0.18	0.10
2,3-Dimethylbutane	0.20	0.18		0.70	0.36	0.26	0.09
2-Methylpentane	0.30	0.27		1.65	0.50	0.51	0.32
3-Methylpentane	0.24	0.22		1.36	0.73	0.62	0.50
2-Methyl-1-pentene	ND	ND		0.05	0.10	ND	0.04
1-Hexene	0.09	0.07		0.13	0.23	0.12	0.06
2-Ethyl-1-butene	ND	ND		ND	ND	ND	ND
n-Hexane	0.25	0.22		1.00	0.43	0.08	0.29
trans-2-Hexene	ND	ND		0.04	U	ND	ND
cis-2-Hexene	ND	ND		0.04	U	ND	ND
Methylcyclopentane	0.18	0.17		0.68	0.26	0.25	0.17
2,4-Dimethylpentane	0.13	0.13		0.48	0.18	0.16	0.04
Benzene	0.28	0.24		0.74	0.47	0.31	0.46
Cyclohexane	0.22	0.21		0.35	0.31	0.14	0.08
2-Methylhexane	0.09	0.10		0.79	0.17	0.20	0.28
2,3-Dimethylpentane	0.18	0.17		0.66	0.23	0.08	0.27
3-Methylhexane	0.07	0.08		ND	ND	0.35	0.99
1-Heptene	ND	ND		ND	ND	ND	0.06
2,2,4-Trimethylpentane	0.30	0.28		1.77	0.49	0.40	0.16
n-Heptane	0.11	0.09		0.49	0.33	0.15	0.12
Methylcyclohexane	0.11	0.11		0.26	0.17	ND	0.09
2,2,3-Trimethylpentane	0.02	U	ND	0.29	ND	0.06	ND
2,3,4-Trimethylpentane	0.12	0.12		0.64	0.21	0.18	0.07
Toluene	0.67	0.69		2.82	3.05	0.97	0.75
2-Methylheptane	0.07	0.08		0.21	0.17	0.10	0.07
3-Methylheptane	0.05	0.06		0.27	0.19	0.06	0.03
1-Octene	ND	ND		ND	0.04	ND	ND
n-Octane	0.09	0.10		0.20	0.41	0.09	0.06
Ethylbenzene	0.14	0.14		0.42	0.95	0.15	0.13
m-Xylene/p-Xylene	0.39	0.34		1.40	3.68	0.54	0.69
Styrene	0.08	ND		0.07	0.91	0.08	ND
o-Xylene	0.17	0.15		0.58	1.42	0.23	0.33
1-Nonene	ND	0.02	U	0.04	ND	ND	0.06
n-Nonane	0.07	0.06		0.21	0.28	0.07	0.06
Isopropylbenzene	0.07	0.09		0.08	0.35	0.06	0.02
α-Pinene	ND	0.04		0.07	1.37	0.03	0.33
n-Propylbenzene	0.05	0.03		0.11	0.26	0.04	0.08
m-Ethyltoluene	0.09	0.09		0.30	0.32	0.09	0.09
p-Ethyltoluene	0.06	0.05		0.18	0.21	0.07	0.08
1,3,5-Trimethylbenzene	0.07	0.07		0.25	0.17	0.08	ND
o-Ethyltoluene	0.06	0.04		0.13	ND	0.04	ND
β-Pinene	0.08	ND		0.06	0.19	0.05	ND
1,2,4-Trimethylbenzene	0.13	0.13		0.52	0.49	0.19	0.10
1-Decene	ND	ND		ND	ND	ND	ND
n-Decane	0.10	0.06		0.48	0.68	0.13	0.06
1,2,3-Trimethylbenzene	0.04	0.04		0.12	0.30	0.15	0.04
m-Diethylbenzene	ND	ND		ND	ND	ND	ND
p-Diethylbenzene	ND	ND		0.07	ND	ND	0.05
1-Undecene	ND	ND		0.03	ND	ND	0.02
n-Undecane	0.07	0.07		0.31	0.88	0.06	0.18
1-Dodecene	0.02	U	ND	ND	1.29	ND	0.03
n-Dodecane	0.04	U	0.03	U	0.16	0.87	0.04
1-Tridecene	ND	ND		ND	ND	ND	ND
n-Tridecane	ND	ND		ND	0.73	ND	ND
TNMOC (speciated) in ppbv	17.14	16.32		61.70	62.31	26.28	29.00
TNMOC (w/ unknowns) in ppbC	120.03	112.67		359.38	803.92	186.15	349.0623173

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Sample No.:	SLMO 31067	SLMO 31260	SLMO 31400	SLMO 31402		
Sampling Date:	12/10/2002	12/16/2002	12/22/2002	12/28/2002		
Analysis Date:	1/10/2003	1/11/2003	1/13/2003	1/14/2003		
Filename:	N3AJ005	N3AJ016	L3AM008	L3AM017		
Ethylene	6.46	2.74	2.57	3.70		
Acetylene	7.12	3.93	1.89	2.98		
Ethane	15.33	10.22	7.03	13.29		
Propylene	1.60	0.73	0.68	0.80		
Propane	8.26	6.51	2.63	6.07		
Propyne	ND	ND	ND	ND		
Isobutane	2.05	1.54	0.79	1.29		
Isobutene/1-Butene	0.94	0.44	0.41	0.37		
1,3-Butadiene	0.22	0.09	0.08	0.09		
n-Butane	7.04	4.75	1.85	3.26		
trans-2-Butene	0.27	0.13	0.06	0.07		
cis-2-Butene	0.21	0.11	0.05	0.07		
3-Methyl-1-butene	0.06	0.03	U	0.05		
Isopentane	3.39	1.97	1.10	1.72		
1-Pentene	0.15	0.06	0.06	0.06		
2-Methyl-1-butene	0.21	0.09	0.08	0.11		
n-Pentane	1.45	1.01	0.51	0.86		
Isoprene	0.10	0.05	0.10	0.09		
trans-2-Pentene	0.27	0.13	0.09	0.12		
cis-2-Pentene	0.15	0.05	0.04	U	0.06	
2-Methyl-2-butene	0.33	0.13	0.08	0.12		
2,2-Dimethylbutane	0.14	0.13	0.05	0.07		
Cyclopentene	0.05	0.04	U	ND	0.06	
4-Methyl-1-pentene	ND	ND	ND	ND		
Cyclopentane	0.16	0.08	0.08	0.12		
2,3-Dimethylbutane	0.29	0.13	0.08	0.14		
2-Methylpentane	0.95	0.65	0.29	0.50		
3-Methylpentane	0.65	0.35	0.60	0.39		
2-Methyl-1-pentene	0.06	ND	ND	ND		
1-Hexene	0.06	0.02	U	0.03	U	ND
2-Ethyl-1-butene	ND	ND	ND	ND		
n-Hexane	0.95	0.46	0.23	0.39		
trans-2-Hexene	0.09	0.05	ND	ND		
cis-2-Hexene	0.03	U	0.03	U	ND	ND
Methylcyclopentane	0.44	0.24	0.15	0.24		
2,4-Dimethylpentane	0.14	0.08	0.04	0.08		
Benzene	0.97	0.56	0.38	0.55		
Cyclohexane	0.16	0.08	0.06	0.14		
2-Methylhexane	0.51	0.28	0.18	0.43		
2,3-Dimethylpentane	0.42	0.35	0.14	0.13		
3-Methylhexane	0.60	0.32	0.19	0.22		
1-Heptene	ND	0.03	U	0.03	U	0.04
2,2,4-Trimethylpentane	0.48	0.20	0.15	0.25		
n-Heptane	0.38	0.19	0.10	0.17		
Methylcyclohexane	0.39	0.17	0.03	0.13		
2,2,3-Trimethylpentane	0.14	0.04	ND	0.04		
2,3,4-Trimethylpentane	0.16	0.07	0.07	0.11		
Toluene	2.33	1.08	0.59	0.97		
2-Methylheptane	0.15	0.08	0.11	0.08		
3-Methylheptane	0.12	0.04	0.03	0.06		
1-Octene	0.02	U	ND	ND		
n-Octane	0.12	0.07	0.04	0.08		
Ethylbenzene	0.30	0.13	0.10	0.12		
m-Xylene/p-Xylene	1.74	1.12	0.45	0.76		
Styrene	0.25	0.22	0.03	0.07		
o-Xylene	0.69	0.51	0.24	0.39		
1-Nonene	0.09	0.14	ND	ND		
n-Nonane	0.12	0.06	0.06	0.06		
Isopropylbenzene	0.02	U	0.02	U	ND	ND
α-Pinene	ND	ND	ND	ND		
n-Propylbenzene	0.09	0.05	0.03	U	0.04	
m-Ethyltoluene	0.28	0.14	0.07	0.12		
p-Ethyltoluene	0.14	0.07	0.03	U	0.07	
1,3,5-Trimethylbenzene	0.16	0.06	0.03	0.04		
o-Ethyltoluene	0.10	0.04	0.03	U	0.03	U
β-Pinene	ND	ND	ND	0.04		
1,2,4-Trimethylbenzene	0.41	0.23	0.08	0.16		
1-Decene	ND	ND	ND	ND		
n-Decane	0.15	0.11	0.04	0.11		
1,2,3-Trimethylbenzene	0.13	0.08	ND	0.04		
m-Diethylbenzene	0.03	0.04	ND	0.04		
p-Diethylbenzene	0.11	0.11	ND	0.08		
1-Undecene	0.02	U	0.11	ND	0.05	
n-Undecane	0.20	0.89	0.11	1.42		
1-Dodecene	ND	ND	ND	0.04	U	
n-Dodecane	0.03	U	0.05	U	0.10	
1-Tridecene	ND	ND	ND	ND		
n-Tridecane	ND	ND	ND	ND		
TNMOC (speciated) in ppbv	71.63	44.74	25.06	44.37		
TNMOC (w/ unknowns) in ppbC	440.6634198	337.0735062	190.2635241	340.0876771		

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(Reported in ug/m³)

Sample No.:	SLMO 24976	SLMO 25105	SLMO 25196	SLMO 25337	SLMO 25477 D1	SLMO 25477 R1	SLMO 25478 D2	
Sampling Date:	1/2/2002	1/8/2002	1/14/2002	1/20/2002	1/26/2002	1/26/2002	1/26/2002	
Analysis Date:	1/25/2002	1/25/2002	1/26/2002	1/29/2002	2/6/2002	2/8/2002	2/6/2002	
Filename:	L2AX 016	L2AY007	L2AY017	L2A#014	L2BE021	L2BH008	L2BE022	
Ethylene	4.16	4.28	2.44	3.69	3.13	2.90	3.14	
Acetylene	3.06	3.10	1.92	2.66	2.63	2.36	2.55	
Ethane	8.85	11.04	7.64	9.16	9.07	8.75	8.62	
Propylene	1.12	1.36	0.72	1.14	1.02	0.87	0.92	
Propane	5.52	7.34	4.38	5.03	10.17	4.61	4.43	
Propyne	ND	ND	ND	ND	ND	ND	ND	
Isobutane	1.76	2.33	1.56	1.66	2.10	1.90	1.92	
Isobutene/1-Butene	1.13	1.47	0.95	1.03	0.90	1.05	1.24	
1,3-Butadiene	0.18	0.25	0.13	U 0.23	0.20	0.13	U 0.20	
n-Butane	3.91	6.45	3.72	4.28	5.49	4.97	5.14	
trans-2-Butene	0.19	0.26	0.18	0.18	0.24	0.21	0.24	
cis-2-Butene	0.26	0.33	0.27	0.30	0.34	0.25	0.30	
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND	
Isopentane	3.12	4.93	2.69	3.38	4.29	4.07	4.23	
1-Pentene	0.23	0.25	0.18	0.25	0.22	0.23	0.26	
2-Methyl-1-butene	0.15	0.23	0.13	U 0.19	0.19	0.17	0.24	
n-Pentane	1.48	2.44	1.45	1.63	2.96	2.78	2.12	
Isoprene	0.21	0.37	0.19	0.18	0.25	0.28	0.26	
trans-2-Pentene	0.30	0.42	0.24	0.30	0.34	0.32	0.35	
cis-2-Pentene	0.28	0.32	0.24	0.24	0.26	0.25	0.27	
2-Methyl-2-butene	0.38	0.45	0.38	0.46	0.33	0.34	0.34	
2,2-Dimethylbutane	0.39	0.54	0.36	0.46	0.48	0.55	0.51	
Cyclopentene	ND	ND	ND	ND	ND	ND	ND	
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND	
Cyclopentane	0.28	0.39	0.27	0.27	0.35	0.39	0.40	
2,3-Dimethylbutane	0.50	0.67	0.46	0.48	0.52	0.54	0.57	
2-Methylpentane	1.20	1.89	0.98	1.52	1.30	1.26	1.39	
3-Methylpentane	0.93	1.36	0.74	0.93	0.98	0.95	1.05	
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND	
1-Hexene	0.37	0.37	0.34	0.39	0.33	0.30	0.34	
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND	
n-Hexane	1.07	1.53	0.87	0.98	1.06	1.01	1.13	
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND	
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND	
Methylcyclopentane	0.64	0.88	0.54	0.56	0.59	0.58	0.65	
2,4-Dimethylpentane	0.31	0.38	0.27	0.31	0.31	0.29	0.31	
Benzene	1.39	1.61	1.04	1.35	1.19	1.16	1.26	
Cyclohexane	0.42	0.65	0.38	0.38	0.53	0.54	0.51	
2-Methylhexane	0.93	1.13	0.76	0.93	0.97	0.88	1.01	
2,3-Dimethylpentane	0.72	0.71	0.49	0.60	0.67	0.61	0.69	
3-Methylhexane	0.88	0.89	0.57	2.27	0.61	0.69	0.77	
1-Heptene	ND	ND	ND	0.19	ND	ND	ND	
2,2,4-Trimethylpentane	0.81	1.03	0.50	0.72	0.73	0.69	0.77	
n-Heptane	0.49	0.73	0.40	0.46	0.51	0.51	0.53	
Methylcyclohexane	0.45	0.81	0.38	0.53	0.51	0.59	0.42	
2,2,3-Trimethylpentane	0.09	U 0.15	ND	ND	ND	ND	0.10	U
2,3,4-Trimethylpentane	0.30	0.44	0.22	0.28	0.30	0.26	0.31	
Toluene	3.46	5.33	2.56	3.17	3.27	3.25	3.52	
2-Methylheptane	0.22	0.27	0.18	0.19	0.25	0.24	0.27	
3-Methylheptane	0.21	0.31	0.17	0.22	0.20	0.23	0.28	
1-Octene	ND	ND	ND	0.15	ND	ND	ND	
n-Octane	0.30	0.40	0.24	0.31	0.27	0.29	0.29	
Ethylbenzene	1.55	1.40	1.14	1.40	0.81	0.87	0.89	
m-Xylene/p-Xylene	5.17	4.67	3.98	4.39	2.98	3.09	3.06	
Styrene	0.13	0.19	0.23	3.93	0.09	0.17	0.12	
o-Xylene	1.67	1.63	1.35	1.56	1.00	1.07	1.09	
1-Nonene	ND	ND	ND	0.12	U ND	ND	ND	
n-Nonane	0.30	0.33	0.25	0.30	0.27	0.29	0.73	
Isopropylbenzene	0.32	0.46	0.35	0.35	0.20	0.23	0.25	
α-Pinene	ND	ND	ND	ND	0.48	0.46	0.09	U
n-Propylbenzene	0.24	0.25	0.15	U 0.15	U 0.18	0.18	0.23	
m-Ethyltoluene	0.47	0.60	0.37	0.45	0.44	0.44	0.60	
p-Ethyltoluene	0.33	0.38	0.29	0.30	0.29	0.29	0.44	
1,3,5-Trimethylbenzene	0.29	0.39	0.29	0.29	0.29	0.28	0.48	
o-Ethyltoluene	ND	ND	ND	ND	ND	ND	ND	
β-Pinene	0.17	U ND	ND	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	0.75	0.92	0.65	0.76	0.66	0.69	0.94	
1-Decene	ND	ND	ND	ND	ND	ND	ND	
n-Decane	0.35	1.41	0.68	0.84	0.74	0.90	1.73	
1,2,3-Trimethylbenzene	0.17	0.24	0.17	0.19	0.13	0.17	0.26	
m-Diethylbenzene	ND	0.37	ND	ND	ND	ND	ND	
p-Diethylbenzene	ND	0.38	ND	ND	ND	0.22	ND	
1-Undecene	ND	0.82	0.11	U 0.24	0.59	0.55	0.82	
n-Undecane	0.37	6.20	1.22	2.74	5.71	5.64	7.83	
1-Dodecene	ND	ND	ND	ND	ND	ND	ND	
n-Dodecane	0.21	U 0.56	0.68	0.98	1.56	1.55	1.83	
1-Tridecene	ND	ND	ND	ND	ND	ND	ND	
n-Tridecane	ND	ND	0.09	U 0.28	U 0.27	U 0.25	U 0.31	U
TNMOC (speciated) in ug/m ³	65.12	91.28	54.11	72.89	76.74	69.60	75.56	
TNMOC (w/ unknowns) in ppbC	138.10	350.48	127.88	225.65	170.56	158.05	188.53	

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(Reported in ug/m³)

Sample No.:	SLMO 25478 R2	SLMO 25619	SLMO 25672	SLMO 25823	SLMO 25982	SLMO 26101 D1	SLMO 26101 D1
Sampling Date:	1/26/2002	2/1/2002	2/7/2002	2/13/2002	2/19/2002	2/25/2002	2/25/2002
Analysis Date:	2/8/2002	2/28/2002	2/28/2002	3/1/2002	3/5/2002	3/6/2002	3/6/2002
Filename:	L2BH009	L2B-014	L2B1009	L2B1015	L2CE013	L2CE017	L2CF004
Ethylene	3.24	2.96	5.43	3.60	2.44	2.48	2.34
Acetylene	2.61	2.27	3.70	2.93	1.94	1.93	1.91
Ethane	8.70	7.47	12.14	9.92	6.16	6.90	6.80
Propylene	0.92	1.00	1.97	1.19	0.97	0.89	0.90
Propane	3.91	5.13	8.37	5.89	4.02	4.96	5.04
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	1.95	1.56	2.62	1.98	1.39	1.38	1.34
Isobutene/1-Butene	1.19	1.13	2.06	1.33	1.11	1.16	1.04
1,3-Butadiene	0.17	0.24	0.42	0.20	0.17	0.15	0.17
n-Butane	5.16	4.32	7.89	6.36	4.82	3.70	3.65
trans-2-Butene	0.25	0.25	0.46	0.30	0.28	0.22	0.20
cis-2-Butene	0.30	0.30	0.43	0.36	0.30	0.28	0.29
3-Methyl-1-butene	ND	ND	0.10	ND	ND	ND	ND
Isopentane	4.26	3.32	NR	4.17	3.49	2.80	2.67
1-Pentene	0.26	0.30	0.38	0.36	0.40	0.22	0.20
2-Methyl-1-butene	0.23	0.24	0.51	0.29	0.24	0.18	0.19
n-Pentane	2.05	1.59	2.30	1.83	1.55	1.73	1.73
Isoprene	0.26	0.39	0.36	0.42	0.21	0.23	0.32
trans-2-Pentene	0.35	0.33	0.51	0.42	0.40	0.31	0.30
cis-2-Pentene	0.28	0.27	0.39	0.33	0.30	0.25	0.28
2-Methyl-2-butene	0.43	0.40	0.57	0.56	0.47	0.38	0.39
2,2-Dimethylbutane	0.55	0.53	0.68	0.53	0.52	0.53	0.50
Cyclopentene	ND	ND	ND	ND	0.15	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.39	0.26	0.40	0.34	0.32	0.32	0.28
2,3-Dimethylbutane	0.60	0.53	0.64	0.56	0.58	0.47	0.48
2-Methylpentane	1.52	1.45	2.83	1.67	1.67	1.17	1.14
3-Methylpentane	1.12	0.96	1.45	1.10	1.04	0.82	0.78
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.30	0.38	0.44	0.41	0.39	0.41	0.39
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	1.18	1.18	1.67	1.38	1.19	0.94	0.93
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.68	0.61	1.21	0.67	0.62	0.53	0.52
2,4-Dimethylpentane	0.33	0.33	0.44	0.34	0.31	0.31	0.30
Benzene	1.26	1.54	2.23	1.54	1.37	1.21	1.18
Cyclohexane	0.54	0.44	0.51	0.47	0.47	0.66	0.63
2-Methylhexane	0.96	0.75	1.51	0.96	0.87	0.75	0.78
2,3-Dimethylpentane	0.65	0.60	0.77	0.71	0.57	0.57	0.57
3-Methylhexane	0.77	0.69	1.03	0.77	0.67	0.59	0.59
1-Heptene	ND	ND	0.28	ND	ND	ND	ND
2,2,4-Trimethylpentane	0.77	0.81	1.20	1.02	0.85	0.64	0.75
n-Heptane	0.52	0.51	0.75	0.54	0.60	0.45	0.42
Methylcyclohexane	0.47	0.46	0.63	0.56	0.49	0.49	0.51
2,2,3-Trimethylpentane	ND	0.09	0.22	ND	ND	ND	ND
2,3,4-Trimethylpentane	0.30	0.33	0.50	0.36	0.34	0.29	0.31
Toluene	3.55	3.58	5.29	3.60	3.47	3.48	3.50
2-Methylheptane	0.21	0.29	0.30	0.26	0.23	0.21	0.19
3-Methylheptane	0.29	0.27	0.41	0.26	0.28	0.22	0.22
1-Octene	ND	ND	ND	ND	ND	0.10	ND
n-Octane	0.36	0.33	0.50	0.34	0.38	0.27	0.30
Ethylbenzene	1.29	1.29	1.78	1.39	1.37	0.85	0.76
m-Xylene/p-Xylene	3.49	4.62	5.21	4.59	4.31	2.35	2.39
Styrene	0.31	0.18	0.30	0.19	0.47	0.31	0.35
o-Xylene	1.19	1.54	1.84	1.56	1.52	0.86	0.85
1-Nonene	ND	ND	ND	ND	0.11	ND	ND
n-Nonane	0.52	0.28	0.50	0.32	0.33	0.23	0.25
Isopropylbenzene	0.33	0.32	0.37	0.32	0.38	0.24	0.22
α-Pinene	ND	ND	0.08	ND	ND	0.25	0.26
n-Propylbenzene	0.26	0.16	0.28	0.18	0.21	0.15	0.13
m-Ethyltoluene	0.56	0.39	0.67	0.44	0.37	0.43	0.47
p-Ethyltoluene	0.37	0.26	0.41	0.30	0.25	0.18	0.20
1,3,5-Trimethylbenzene	0.39	0.38	0.47	0.32	0.27	0.19	0.21
o-Ethyltoluene	ND	ND	0.32	ND	ND	ND	ND
β-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.86	0.73	1.14	0.74	0.69	0.53	0.56
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	1.22	2.74	0.75	0.51	0.53	0.53	0.47
1,2,3-Trimethylbenzene	0.23	0.15	0.47	0.22	0.19	0.33	0.13
m-Diethylbenzene	ND	ND	ND	ND	ND	ND	ND
p-Diethylbenzene	0.28	ND	ND	ND	0.13	ND	0.09
1-Undecene	0.86	ND	ND	ND	ND	0.12	0.09
n-Undecane	7.70	13.95	0.58	0.40	1.00	1.49	1.60
1-Dodecene	ND	ND	0.10	0.13	0.33	0.23	ND
n-Dodecane	1.82	13.66	0.55	0.66	0.88	1.28	0.88
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	0.29	1.77	0.16	0.24	0.60	0.51	0.41
TNMOC (speciated) in ug/m ³	75.78	92.78	92.44	73.34	61.96	56.64	55.38
TNMOC (w/ unknowns) in ppbC	190.26	217.94	285.40	181.49	182.59	140.66	139.68

U Under detection limit.

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(Reported in ug/m³)

Sample No.:	SLMO 26103 D2	SLMO 26103 R2	SLMO 26236	SLMO 26340	SLMO 26390	SLMO 26455	SLMO 26549	
Sampling Date:	2/25/2002	2/25/2002	3/3/2002	3/9/2002	3/15/2002	3/21/2002	3/27/2002	
Analysis Date:	3/6/2002	3/6/2002	3/13/2002	3/26/2002	3/28/2002	4/3/2002	4/5/2002	
Filename:	L2CE018	L2CF005	L2CM006	L2CY022	L2C-010	L2DB022	L2DE008	
Ethylene	2.42	2.41	1.87	1.34	2.24	2.57	4.20	
Acetylene	1.96	1.95	1.58	1.14	1.97	2.16	3.20	
Ethane	6.82	6.86	5.52	4.42	6.45	7.88	10.71	
Propylene	0.94	0.94	0.67	0.62	0.97	0.92	1.47	
Propane	5.27	5.24	3.85	2.87	5.24	4.99	7.13	
Propyne	ND	ND	ND	ND	ND	ND	ND	
Isobutane	1.46	1.39	1.06	0.85	1.74	1.45	1.84	
Isobutene/1-Butene	0.97	0.86	0.75	0.77	1.05	0.87	1.38	
1,3-Butadiene	0.21	0.14	U	ND	0.16	0.15	0.24	
n-Butane	3.80	3.74	2.32	2.16	3.83	3.32	5.03	
trans-2-Butene	0.20	0.21	0.18	0.17	0.21	0.22	0.32	
cis-2-Butene	0.26	0.26	0.23	0.21	0.27	0.24	0.40	
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND	
Isopentane	3.00	2.91	1.47	1.56	2.78	2.40	5.47	
1-Pentene	0.25	0.26	0.20	0.28	0.28	0.21	0.33	
2-Methyl-1-butene	0.19	0.17	ND	0.13	U	0.16	0.32	
n-Pentane	2.08	2.05	0.88	0.83	1.25	1.07	2.05	
Isoprene	0.25	0.25	0.19	0.16	0.23	0.22	0.29	
trans-2-Pentene	0.33	0.33	0.19	0.21	0.31	0.27	0.47	
cis-2-Pentene	0.27	0.29	0.21	0.23	0.28	0.26	0.37	
2-Methyl-2-butene	0.35	0.36	ND	0.30	0.31	0.52	0.54	
2,2-Dimethylbutane	0.43	0.45	0.35	0.36	0.51	0.44	0.60	
Cyclopentene	ND	ND	ND	ND	ND	ND	ND	
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND	
Cyclopentane	0.34	0.23	0.25	0.23	0.29	0.29	0.33	
2,3-Dimethylbutane	0.53	0.45	0.37	0.38	0.60	0.49	0.73	
2-Methylpentane	1.24	1.06	0.92	0.76	1.65	1.42	1.90	
3-Methylpentane	0.85	0.81	0.56	0.54	1.09	0.85	1.39	
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND	
1-Hexene	0.47	0.42	0.33	0.41	0.40	0.33	0.40	
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND	
n-Hexane	0.90	0.98	0.67	0.66	0.87	0.77	1.37	
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND	
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND	
Methylcyclopentane	0.53	0.54	0.45	0.33	0.54	0.48	0.86	
2,4-Dimethylpentane	0.33	0.33	0.24	0.26	0.31	0.33	0.44	
Benzene	1.21	1.23	1.03	0.82	1.24	1.16	1.56	
Cyclohexane	0.81	0.80	0.34	0.29	0.38	0.35	0.60	
2-Methylhexane	0.79	0.83	0.94	0.67	0.86	1.02	1.14	
2,3-Dimethylpentane	0.60	0.59	0.48	0.54	0.70	0.65	0.77	
3-Methylhexane	0.63	0.66	0.30	0.41	0.61	0.54	0.90	
1-Heptene	ND	ND	0.11	U	0.09	U	0.13	U
2,2,4-Trimethylpentane	0.79	0.86	0.45	0.49	0.82	0.79	1.28	
n-Heptane	0.45	0.45	0.38	0.31	0.48	0.43	0.64	
Methylcyclohexane	0.52	0.51	0.31	0.32	0.49	0.56	0.53	
2,2,3-Trimethylpentane	ND	ND	ND	ND	ND	ND	0.20	
2,3,4-Trimethylpentane	0.33	0.35	0.31	0.23	0.35	0.37	0.53	
Toluene	4.75	4.82	2.09	1.78	2.90	2.89	4.25	
2-Methylheptane	0.18	0.22	0.14	U	0.13	U	0.18	0.24
3-Methylheptane	0.21	0.22	0.17	0.15	0.21	0.21	0.28	
1-Octene	0.11	U	0.11	U	0.15	0.14	ND	
n-Octane	0.33	0.32	0.28	0.23	0.30	0.30	0.37	
Ethylbenzene	0.83	0.84	1.02	0.85	1.18	1.07	1.07	
m-Xylene/p-Xylene	2.40	2.41	3.64	2.76	3.79	3.43	3.19	
Styrene	0.27	0.12	0.96	0.46	0.37	0.18	0.40	
o-Xylene	0.85	0.84	1.29	0.96	1.30	1.21	1.23	
1-Nonene	ND	ND	ND	0.12	U	0.13	U	ND
n-Nonane	0.26	0.29	0.23	0.18	0.25	0.24	0.27	
Isopropylbenzene	0.27	0.23	0.29	0.26	0.30	0.29	0.25	
α-Pinene	ND	ND	ND	ND	0.14	U	0.09	U
n-Propylbenzene	0.13	U	0.18	0.15	U	0.17	0.15	U
m-Ethyltoluene	0.34	0.37	0.22	0.20	0.34	0.38	0.44	
p-Ethyltoluene	0.22	0.24	0.15	U	0.15	0.21	0.24	0.28
1,3,5-Trimethylbenzene	0.25	0.26	0.24	0.14	0.22	0.28	0.30	
o-Ethyltoluene	ND	ND	ND	ND	ND	ND	ND	
β-Pinene	ND	ND	0.52	ND	0.29	ND	0.23	
1,2,4-Trimethylbenzene	0.57	0.57	0.53	0.47	0.64	0.65	0.77	
1-Decene	ND	ND	ND	ND	ND	ND	ND	
n-Decane	0.70	0.77	0.44	0.39	0.56	1.51	1.01	
1,2,3-Trimethylbenzene	0.21	0.13	0.13	0.13	0.15	0.14	0.20	
m-Diethylbenzene	ND	ND	ND	ND	ND	ND	ND	
p-Diethylbenzene	ND	ND	ND	ND	ND	ND	0.20	
1-Undecene	0.12	U	0.09	U	ND	0.16	U	0.69
n-Undecane	2.27	2.14	0.56	0.55	1.53	2.17	9.57	
1-Dodecene	0.15	U	ND	ND	ND	ND	ND	
n-Dodecane	1.54	1.13	0.79	0.78	1.71	0.56	2.79	
1-Tridecene	ND	ND	ND	ND	ND	ND	ND	
n-Tridecane	0.42	U	0.25	U	0.25	U	1.19	
TNMOC (speciated) in ug/m ³	60.16	58.71	44.27	37.54	60.51	57.67	91.55	
TNMOC (w/ unknowns) in ppbC	139.60	138.10	173.03	112.31	157.44	170.38	227.16	

U Under detection limit.

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(Reported in ug/m³)

Sample No.:	SLMO 26685	SLMO 26804	SLMO 26989	SLMO 27089	SLMO 27310	SLMO 27415	SLMO 27489
Sampling Date:	4/2/2002	4/8/2002	4/14/2002	4/20/2002	4/26/2002	5/2/2002	5/8/2002
Analysis Date:	4/11/2002	4/26/2002	4/27/2002	5/2/2002	5/7/2002	5/14/2002	5/20/2002
Filename:	L2DK006	L2DZ006	L2DZ016	L2EA024	L2EF017	L2EM025	L2ET005
Ethylene	0.79	2.24	2.33	1.73	2.08	3.20	2.72
Acetylene	1.41	1.57	1.38	1.02	1.58	2.72	1.53
Ethane	5.75	5.13	6.81	5.40	5.15	4.57	4.32
Propylene	0.87	0.91	1.00	0.93	1.05	2.04	1.30
Propane	3.72	3.42	4.52	3.67	4.08	2.63	3.34
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	1.13	1.11	1.51	1.78	1.08	1.07	1.23
Isobutene/1-Butene	0.88	0.94	0.96	0.73	0.99	1.02	1.22
1,3-Butadiene	0.13 U	0.14 U	0.18	ND	0.14 U	0.14 U	0.22
n-Butane	2.55	3.41	4.10	2.93	2.66	1.60	2.78
trans-2-Butene	0.17	0.21	0.22	0.19	0.20	0.18	0.33
cis-2-Butene	0.23	0.26	0.30	0.23	0.27	0.23	0.35
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	ND
Isopentane	2.59	3.47	4.32	3.36	4.15	2.32	4.72
1-Pentene	0.28	0.29	0.32	0.26	0.32	0.34	0.29
2-Methyl-1-butene	0.12 U	0.23	0.23	0.19	0.23	0.17	0.27
n-Pentane	1.05	1.37	1.68	1.39	1.52	0.91	1.67
Isoprene	0.22	0.19	0.19	0.16	0.19	0.16	0.54
trans-2-Pentene	0.25	0.31	0.39	0.30	0.35	0.24	0.47
cis-2-Pentene	0.25	0.26	0.30	0.24	0.27	0.25	0.37
2-Methyl-2-butene	0.26	0.25	0.34	0.17	0.25	0.18	0.51
2,2-Dimethylbutane	0.33	0.49	0.48	0.36	0.40	0.39	0.63
Cyclopentene	ND	ND	ND	0.09 U	ND	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.23	0.25	0.32	0.22	0.26	0.24	0.34
2,3-Dimethylbutane	0.48	0.54	0.62	0.54	0.67	0.56	0.89
2-Methylpentane	0.95	1.22	1.73	1.23	1.37	1.16	2.32
3-Methylpentane	0.87	0.90	1.07	1.16	1.06	0.90	1.42
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.37	0.37	0.35	0.35	0.32	0.43	0.53
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	0.88	0.91	1.34	1.20	1.75	0.81	1.52
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.48	0.55	0.68	0.58	0.74	0.49	0.79
2,4-Dimethylpentane	0.29	0.37	0.43	0.38	0.46	0.51	0.63
Benzene	0.96	1.18	1.15	0.95	1.16	0.95	1.15
Cyclohexane	0.31	0.39	0.39	0.38	0.39	0.31	0.47
2-Methylhexane	0.84	0.78	0.97	0.80	0.88	0.85	1.28
2,3-Dimethylpentane	0.72	0.70	0.76	0.69	0.82	1.04	0.93
3-Methylhexane	0.53	0.85	0.79	0.69	0.90	ND	1.46
1-Heptene	0.15	ND	ND	0.14 U	ND	ND	ND
2,2,4-Trimethylpentane	0.84	1.39	1.61	1.30	1.89	1.87	2.78
n-Heptane	0.45	0.54	0.55	0.53	0.62	0.53	0.90
Methylcyclohexane	0.36	0.40	0.41	0.45	0.41	0.34	0.74
2,2,3-Trimethylpentane	ND	0.15	0.18	0.17	0.27	0.26	ND
2,3,4-Trimethylpentane	0.34	0.53	0.59	0.52	0.76	0.65	1.04
Toluene	2.62	3.98	3.79	3.09	3.84	3.21	5.64
2-Methylheptane	0.18	0.27	0.30	0.28	0.28	0.23	0.56
3-Methylheptane	0.20	0.27	0.26	0.29	0.32	0.25	0.57
1-Octene	0.20	0.12 U	0.10 U	0.13 U	0.08 U	0.16	ND
n-Octane	0.29	0.37	0.41	0.42	0.37	0.34	1.00
Ethylbenzene	0.90	1.13	1.14	0.98	1.08	0.99	1.24
m-Xylene/p-Xylene	3.07	3.74	3.56	3.05	3.23	2.79	3.16
Styrene	0.51	0.65	0.52	0.66	ND	1.68	0.57
o-Xylene	1.06	1.35	1.31	1.16	1.17	1.01	1.20
1-Nonene	0.15 U	0.13 U	ND	ND	ND	0.10 U	ND
n-Nonane	0.28	0.33	0.36	0.30	0.30	0.27	0.47
Isopropylbenzene	0.26	0.33	0.28	0.32	0.30	0.26	0.28
α-Pinene	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	0.15 U	0.24	0.22	0.17	0.20	0.19	0.20
m-Ethyltoluene	0.33	0.45	0.47	0.35	0.48	0.30	0.42
p-Ethyltoluene	0.22	0.32	0.33	0.27	0.33	0.28	0.32
1,3,5-Trimethylbenzene	0.21	0.25	0.33	0.25	0.30	0.27	0.32
o-Ethyltoluene	ND	ND	ND	ND	ND	ND	ND
β-Pinene	ND	ND	ND	ND	ND	ND	0.26
1,2,4-Trimethylbenzene	0.61	0.77	0.80	0.63	0.90	0.55	0.70
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.64	0.51	0.87	0.51	0.38	0.47	0.67
1,2,3-Trimethylbenzene	ND	0.16	0.19	0.13	0.19	0.20	0.46
m-Diethylbenzene	ND	ND	ND	ND	0.55	ND	ND
p-Diethylbenzene	ND	ND	0.12	ND	0.10	ND	ND
1-Undecene	0.18 U	ND	0.23	ND	ND	ND	0.30
n-Undecane	2.39	0.66	2.96	0.81	0.36	0.47	3.73
1-Dodecene	0.14 U	0.37 U	0.48	ND	0.08 U	0.12 U	ND
n-Dodecane	0.69	0.40 U	0.95	0.93	0.51	0.41 U	0.81
1-Tridecene	ND	ND	ND	0.10 U	ND	ND	ND
n-Tridecane	0.23 U	0.20 U	0.66	0.39 U	0.18 U	0.11 U	0.19 U
TNMOC (speciated) in ug/m ³	48.55	55.22	66.12	52.60	57.21	50.91	71.08
TNMOC (w/ unknowns) in ppbC	132.54	147.27	189.17	134.27	112.25	185.71	258.87

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(Reported in ug/m³)

Sample No.:	SLMO 27565 D1	SLMO 27565 R1	SLMO 27567 D2	SLMO 27567 R2	SLMO 27735	SLMO 27899	SLMO 27902
Sampling Date:	5/14/2002	5/14/2002	5/14/2002	5/14/2002	5/20/2002	5/26/2002	6/1/2002
Analysis Date:	5/22/2002	5/23/2002	5/22/2002	5/23/2002	5/31/2002	6/12/2002	6/12/2002
Filename:	L2EU023	L2EV014	L2EU024	L2EV015	L2E%006	L2FK020	L2FK021
Ethylene	2.26	2.25	2.37	2.25	3.31	1.34	1.26
Acetylene	1.29	1.27	1.29	1.28	1.78	1.02	1.47
Ethane	5.06	5.07	5.21	5.05	8.11	4.42	4.71
Propylene	1.09	1.14	1.10	1.11	1.43	0.75	1.42
Propane	3.44	3.47	3.49	3.45	4.41	3.28	3.38
Propyne	ND	ND	ND	ND	ND	ND	ND
Isobutane	1.49	1.52	1.51	1.48	1.72	1.09	1.41
Isobutene/1-Butene	0.77	0.94	0.80	0.95	1.01	0.73	1.10
1,3-Butadiene	0.19	0.17	0.19	0.14	U	0.12	U
n-Butane	2.58	2.60	2.59	2.58	2.32	2.82	2.12
trans-2-Butene	0.21	0.22	0.22	0.22	0.19	0.16	0.20
cis-2-Butene	0.30	0.29	0.29	0.28	0.29	0.31	0.25
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	0.08
Isopentane	4.97	4.90	4.96	5.01	4.16	3.68	4.88
1-Pentene	0.32	0.36	0.35	0.35	0.35	0.26	0.31
2-Methyl-1-butene	0.23	0.21	0.23	0.24	0.23	0.17	0.29
n-Pentane	1.64	1.63	1.62	1.60	1.47	1.43	1.59
Isoprene	0.36	0.38	0.35	0.35	0.35	0.27	4.83
trans-2-Pentene	0.43	0.43	0.44	0.43	0.41	0.29	0.44
cis-2-Pentene	0.33	0.34	0.34	0.33	0.27	0.23	0.33
2-Methyl-2-butene	0.28	0.27	0.25	0.28	0.23	0.15	0.43
2,2-Dimethylbutane	0.51	0.48	0.52	0.50	0.46	0.40	0.58
Cyclopentene	ND	ND	ND	ND	ND	ND	ND
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
Cyclopentane	0.35	0.33	0.30	0.28	0.30	0.28	0.33
2,3-Dimethylbutane	0.89	0.90	0.86	0.87	0.80	0.57	0.89
2-Methylpentane	1.88	1.69	1.73	1.84	1.77	1.06	3.30
3-Methylpentane	1.56	1.40	1.38	1.39	1.39	0.89	1.47
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	ND
1-Hexene	0.34	0.32	0.33	0.35	0.53	0.39	0.40
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	ND
n-Hexane	1.37	1.32	1.45	1.36	1.29	0.77	1.38
trans-2-Hexene	ND	ND	ND	ND	ND	ND	ND
cis-2-Hexene	ND	ND	ND	ND	ND	ND	ND
Methylcyclopentane	0.79	0.78	0.80	0.80	0.72	0.45	0.80
2,4-Dimethylpentane	0.58	0.57	0.57	0.59	0.59	0.38	0.65
Benzene	1.09	1.11	1.12	1.13	1.00	0.87	1.11
Cyclohexane	0.38	0.38	0.41	0.38	0.33	0.34	0.35
2-Methylhexane	1.22	1.18	1.18	1.18	1.09	0.58	1.03
2,3-Dimethylpentane	1.01	1.02	1.03	1.03	1.30	0.75	1.22
3-Methylhexane	1.07	1.10	1.05	1.11	1.15	1.13	1.22
1-Heptene	ND	ND	ND	ND	ND	ND	ND
2,2,4-Trimethylpentane	2.84	2.79	2.73	2.78	2.78	1.63	3.18
n-Heptane	0.75	0.68	0.67	0.70	0.69	0.41	0.65
Methylcyclohexane	0.51	0.45	0.51	0.41	0.50	0.74	0.66
2,2,3-Trimethylpentane	0.37	0.43	0.31	0.46	0.40	0.23	0.47
2,3,4-Trimethylpentane	1.08	1.06	1.05	1.08	0.98	0.60	1.16
Toluene	4.34	4.30	4.36	4.31	4.40	3.45	4.65
2-Methylheptane	0.37	0.34	0.36	0.38	0.27	0.19	0.34
3-Methylheptane	0.38	0.39	0.44	0.40	0.39	0.18	0.32
1-Octene	ND	ND	ND	0.09	U	0.18	0.15
n-Octane	0.44	0.41	0.45	0.43	0.40	0.29	0.48
Ethylbenzene	0.82	0.81	0.79	0.80	0.98	0.74	1.12
m-Xylene/p-Xylene	2.34	2.29	2.31	2.27	3.18	2.26	3.16
Styrene	ND	ND	ND	ND	1.99	0.72	1.47
o-Xylene	0.93	0.90	0.92	0.86	1.21	0.91	1.17
1-Nonene	0.11	U	ND	0.12	U	0.12	U
n-Nonane	0.28	0.29	0.28	0.28	0.38	0.33	0.42
Isopropylbenzene	0.19	0.17	ND	0.19	0.22	0.22	0.22
α-Pinene	0.08	U	ND	ND	0.20	ND	0.27
n-Propylbenzene	0.18	0.18	0.19	0.21	0.20	0.19	0.28
m-Ethyltoluene	0.47	0.43	0.41	0.47	0.50	0.31	0.73
p-Ethyltoluene	0.32	0.30	0.28	0.30	0.29	0.24	0.44
1,3,5-Trimethylbenzene	0.33	0.31	0.33	0.32	0.34	0.19	0.46
o-Ethyltoluene	ND	ND	ND	ND	0.24	ND	ND
β-Pinene	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	0.69	0.69	0.65	0.72	0.87	0.59	1.32
1-Decene	ND	ND	ND	ND	ND	ND	ND
n-Decane	0.48	0.36	0.49	0.41	0.61	0.64	0.71
1,2,3-Trimethylbenzene	0.14	0.12	0.17	0.14	0.18	0.11	0.26
m-Diethylbenzene	0.12	U	0.08	U	0.10	U	ND
p-Diethylbenzene	ND	0.08	0.10	0.07	U	0.12	ND
1-Undecene	ND	ND	ND	ND	ND	ND	ND
n-Undecane	0.33	0.27	0.48	0.34	0.65	0.69	0.44
1-Dodecene	ND	ND	ND	ND	0.09	U	0.62
n-Dodecane	0.52	0.22	0.31	U	0.21	U	0.33
1-Tridecene	ND	ND	ND	ND	ND	ND	ND
n-Tridecane	0.14	U	ND	0.08	U	0.16	U
TNMOC (speciated) in ug/m ³	59.81	58.41	59.13	59.02	68.77	48.58	71.27
TNMOC (w/ unknowns) in ppbC	133.49	129.99	146.85	148.54	216.59	130.15	234.76

U Under detection limit.

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(Reported in ug/m³)

Sample No.:	SLMO 27994	SLMO 28130	SLMO 28279	SLMO 28342 D1	SLMO 28342 R1	SLMO 28343 D2	SLMO 28343 R2		
Sampling Date:	6/7/2002	6/13/2002	6/19/2002	6/25/2002	6/25/2002	6/25/2002	6/25/2002		
Analysis Date:		7/3/2002	7/12/2002	7/21/2002	8/12/2002	7/21/2002	8/13/2002		
Filename:	VOID	L2GB017	N2GL007	N2GT011	L2HL013	N2GT012	L2HL014		
Ethylene		1.57	2.10	2.90	3.61	2.90	3.55		
Acetylene		1.06	1.47	1.95	2.02	1.96	1.92		
Ethane		3.45	3.26	3.88	4.69	3.91	4.60		
Propylene		1.16	0.94	1.31	1.72	1.31	1.71		
Propane		2.35	2.57	3.80	4.40	3.88	4.27		
Propyne		ND	ND	ND	ND	ND	ND		
Isobutane		0.96	0.98	1.62	1.86	1.66	1.88		
Isobutene/1-Butene		0.98	1.12	1.07	1.28	1.11	1.31		
1,3-Butadiene		0.13	U	0.24	0.20	0.18	0.21		
n-Butane		2.05	3.43	4.51	4.70	4.62	4.93		
trans-2-Butene		0.21	0.24	0.26	0.50	0.21	0.47		
cis-2-Butene		0.27	0.34	0.38	0.54	0.35	0.56		
3-Methyl-1-butene		0.08	U	0.10	U	0.13	U		
Isopentane		3.38	5.47	7.44	7.28	7.24	7.54		
1-Pentene		0.47	0.36	0.40	0.58	0.40	0.64		
2-Methyl-1-butene		0.26	0.34	0.37	0.41	0.41	0.46		
n-Pentane		1.07	1.79	2.47	2.50	2.45	2.71		
Isoprene		2.19	1.06	1.17	1.19	1.19	1.30		
trans-2-Pentene		0.38	0.44	0.91	0.63	0.87	0.67		
cis-2-Pentene		0.31	0.32	0.32	0.51	0.32	0.59		
2-Methyl-2-butene		0.23	0.25	0.38	0.41	0.37	0.43		
2,2-Dimethylbutane		0.44	0.50	0.51	0.96	0.51	0.95		
Cyclopentene		0.09	U	ND	ND	ND	ND		
4-Methyl-1-pentene		ND	ND	ND	ND	ND	ND		
Cyclopentane		0.28	0.48	0.63	0.51	0.38	0.62		
2,3-Dimethylbutane		0.69	0.94	1.23	2.00	1.14	2.09		
2-Methylpentane		1.32	1.80	2.45	3.33	2.41	3.42		
3-Methylpentane		1.08	1.15	1.54	1.93	1.56	1.99		
2-Methyl-1-pentene		ND	ND	ND	ND	ND	ND		
1-Hexene		0.56	0.48	0.37	0.65	0.52	0.71		
2-Ethyl-1-butene		ND	ND	ND	ND	ND	ND		
n-Hexane		1.00	1.10	1.80	1.93	1.80	2.27		
trans-2-Hexene		ND	ND	ND	ND	ND	ND		
cis-2-Hexene		ND	ND	ND	ND	ND	ND		
Methylcyclopentane		0.58	0.67	1.03	1.09	1.01	1.22		
2,4-Dimethylpentane		0.47	0.49	0.72	0.92	0.72	0.95		
Benzene		0.84	1.04	1.42	1.39	1.42	1.52		
Cyclohexane		0.30	0.54	0.59	0.82	0.51	0.89		
2-Methylhexane		0.77	1.28	1.48	1.48	1.38	1.52		
2,3-Dimethylpentane		0.77	0.90	1.29	1.51	1.36	1.57		
3-Methylhexane		1.31	0.91	1.28	1.38	1.35	1.41		
1-Heptene		ND	ND	ND	ND	ND	ND		
2,2,4-Trimethylpentane		2.23	2.33	3.24	3.43	3.35	3.63		
n-Heptane		0.49	0.84	0.91	0.88	1.07	0.95		
Methylcyclohexane		0.37	0.41	0.51	0.77	0.47	0.76		
2,2,3-Trimethylpentane		0.32	0.37	0.53	0.52	0.53	0.51		
2,3,4-Trimethylpentane		0.79	0.84	1.23	1.30	1.28	1.41		
Toluene		3.30	4.22	5.95	4.85	5.99	5.32		
2-Methylheptane		0.28	0.25	0.32	0.46	0.34	0.45		
3-Methylheptane		0.26	0.43	0.47	0.51	0.38	0.46		
1-Octene		0.28	ND	ND	ND	ND	0.14		
n-Octane		0.32	0.45	0.51	0.51	0.48	0.58		
Ethylbenzene		0.84	1.14	1.20	0.88	1.24	1.12		
m-Xylene/p-Xylene		2.75	3.71	3.70	2.27	3.80	2.79		
Styrene		0.49	0.18	0.23	0.74	0.25	0.81		
o-Xylene		1.01	1.23	0.77	1.01	1.54	1.21		
1-Nonene		0.22	ND	ND	ND	0.12	U	0.14	U
n-Nonane		0.24	ND	0.58	0.40	0.60	0.49		
Isopropylbenzene		0.21	ND	0.24	0.31	0.26	0.34		
a-Pinene		0.19	ND	0.98	ND	0.81	ND		
n-Propylbenzene		0.25	ND	0.27	0.27	0.27	0.32		
m-Ethyltoluene		0.39	ND	0.74	0.53	0.72	0.56		
p-Ethyltoluene		0.28	ND	0.55	0.37	0.52	0.47		
1,3,5-Trimethylbenzene		0.29	ND	0.49	0.36	0.47	0.41		
o-Ethyltoluene		0.26	ND	ND	0.61	ND	0.53		
b-Pinene		ND	ND	ND	0.80	ND	1.05		
1,2,4-Trimethylbenzene		0.80	ND	1.17	0.99	1.24	1.19		
1-Decene		ND	ND	ND	ND	ND	ND		
n-Decane		0.30	ND	1.51	1.70	1.09	1.65		
1,2,3-Trimethylbenzene		0.13	ND	0.36	0.77	0.38	0.39		
m-Diethylbenzene		ND	ND	0.29	ND	0.27	ND		
p-Diethylbenzene		0.10	ND	ND	0.20	ND	0.26		
1-Undecene		ND	ND	ND	ND	ND	ND		
n-Undecane		0.81	ND	3.83	3.36	4.07	3.89		
1-Dodecene		0.13	U	ND	ND	0.30	U	0.27	U
n-Dodecane		0.59	ND	0.40	U	0.79	0.41	U	0.78
1-Tridecene		ND	ND	ND	0.25	U	ND	0.24	U
n-Tridecane		0.21	U	ND	ND	ND	ND	ND	
TNMOC (speciated) in ug/m ³		52.19	55.51	82.76	89.08	83.46	93.80		
TNMOC (w/ unknowns) in ppbC		135.79	234.92	200.52	218.11	202.59	227.41		

U Under detection limit.

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(Reported in ug/m³)

Sample No.:	SLMO 28546	SLMO 28663	SLMO 28791	SLMO 28926	SLMO 29048	SLMO 29081	SLMO 29532
Sampling Date:	7/1/2002	7/7/2002	7/13/2002	7/19/2002	7/25/2002	7/31/2002	8/6/2002
Analysis Date:	8/1/2002	8/1/2002	8/6/2002	8/8/2002	8/14/2002	8/16/2002	
Filename:	L2HA011	L2HA014	L2HE016	L2HG012	L2HM016	L2HO012	VOID
Ethylene	3.10	2.38	2.53	3.85	3.35	4.18	
Acetylene	3.41	1.89	1.93	2.95	2.95	1.90	
Ethane	6.90	6.81	8.22	8.58	7.58	5.38	
Propylene	1.40	1.12	1.17	1.71	1.56	2.44	
Propane	4.26	5.37	4.32	5.71	6.61	4.58	
Propyne	ND	ND	ND	ND	ND	ND	
Isobutane	1.43	1.29	1.37	1.44	1.37	1.33	
Isobutene/1-Butene	1.18	0.92	1.20	1.49	1.47	3.48	
1,3-Butadiene	0.20	ND	ND	0.25	0.24	0.15	
n-Butane	2.68	3.67	1.91	2.70	3.31	4.23	
trans-2-Butene	0.46	0.40	0.34	0.51	0.50	0.60	
cis-2-Butene	0.59	0.50	0.48	0.64	0.66	0.73	
3-Methyl-1-butene	ND	ND	ND	ND	ND	ND	
Isopentane	6.65	6.83	14.13	5.80	6.07	27.82	
1-Pentene	0.47	0.36	0.35	0.41	0.50	0.69	
2-Methyl-1-butene	0.40	0.27	0.34	0.31	0.37	0.56	
n-Pentane	1.91	2.38	1.45	2.07	4.35	2.60	
Isoprene	12.55	1.22	0.93	6.05	4.92	3.00	
trans-2-Pentene	0.59	0.44	0.38	0.62	0.61	0.70	
cis-2-Pentene	0.61	0.52	0.49	0.68	0.65	0.64	
2-Methyl-2-butene	0.44	0.16	0.27	0.42	0.39	0.47	
2,2-Dimethylbutane	0.77	0.66	0.64	0.87	0.90	0.79	
Cyclopentene	ND	ND	ND	ND	ND	ND	
4-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	
Cyclopentane	0.58	0.59	0.51	0.68	0.67	0.62	
2,3-Dimethylbutane	1.58	1.35	1.07	1.93	1.64	1.62	
2-Methylpentane	2.85	2.34	1.84	3.48	3.59	3.54	
3-Methylpentane	1.68	1.45	1.10	2.09	1.98	1.74	
2-Methyl-1-pentene	ND	ND	ND	ND	ND	ND	
1-Hexene	0.61	0.56	0.62	0.71	0.73	0.73	
2-Ethyl-1-butene	ND	ND	ND	ND	ND	ND	
n-Hexane	1.74	2.05	1.09	2.04	2.66	1.39	
trans-2-Hexene	ND	ND	ND	ND	ND	ND	
cis-2-Hexene	ND	ND	ND	ND	ND	ND	
Methylcyclopentane	0.93	0.85	0.78	1.17	1.08	1.20	
2,4-Dimethylpentane	0.81	0.63	0.58	0.90	0.81	0.65	
Benzene	1.53	1.44	2.09	1.91	1.79	1.49	
Cyclohexane	0.80	0.76	0.69	0.91	1.03	0.91	
2-Methylhexane	1.54	1.11	1.33	1.23	1.47	1.17	
2,3-Dimethylpentane	1.31	1.04	0.92	1.48	1.36	1.21	
3-Methylhexane	1.57	1.00	0.92	1.73	1.49	1.30	
1-Heptene	ND	ND	ND	ND	0.18	0.24	
2,2,4-Trimethylpentane	2.72	1.78	1.79	3.21	2.62	1.95	
n-Heptane	0.99	0.65	0.63	1.17	1.02	0.79	
Methylcyclohexane	0.80	0.59	0.60	0.90	0.82	0.69	
2,2,3-Trimethylpentane	0.33	0.19	0.23	0.46	0.32	0.30	
2,3,4-Trimethylpentane	1.21	0.80	0.76	1.50	1.23	1.06	
Toluene	9.44	3.62	3.86	7.36	5.22	5.29	
2-Methylheptane	0.60	0.33	0.28	0.50	0.44	0.35	
3-Methylheptane	0.61	0.37	0.37	0.54	0.50	0.39	
1-Octene	ND	ND	ND	ND	0.19	0.19	
n-Octane	0.99	0.34	0.37	0.54	0.47	0.52	
Ethylbenzene	0.99	0.74	0.89	1.21	1.00	0.94	
m-Xylene/p-Xylene	3.19	2.04	2.44	3.44	3.03	2.43	
Styrene	1.20	1.00	1.21	0.85	1.15	2.21	
o-Xylene	1.64	1.07	1.27	1.73	1.48	1.29	
1-Nonene	ND	ND	ND	ND	0.15	U	ND
n-Nonane	0.47	0.30	0.37	0.48	0.44	0.42	
Isopropylbenzene	0.34	0.33	0.38	0.41	0.39	0.39	
α-Pinene	ND	ND	0.48	ND	0.40	2.07	
n-Propylbenzene	0.28	0.23	0.25	0.32	0.36	0.34	
m-Ethyltoluene	0.57	0.35	0.31	0.70	0.53	0.44	
p-Ethyltoluene	0.42	0.24	0.24	0.50	0.44	0.30	
1,3,5-Trimethylbenzene	0.39	0.26	0.35	0.55	0.43	0.28	
o-Ethyltoluene	1.59	ND	0.38	ND	0.50	0.41	
β-Pinene	ND	ND	1.00	1.05	1.37	ND	
1,2,4-Trimethylbenzene	1.24	0.84	0.94	1.50	1.25	0.89	
1-Decene	ND	ND	ND	ND	ND	ND	
n-Decane	0.85	0.56	0.70	1.01	0.87	0.59	
1,2,3-Trimethylbenzene	0.31	0.41	0.32	0.40	0.50	0.41	
m-Diethylbenzene	ND	ND	ND	ND	ND	ND	
p-Diethylbenzene	0.24	ND	0.15	0.29	ND	0.23	
1-Undecene	ND	ND	ND	ND	ND	ND	
n-Undecane	4.96	0.76	0.50	3.46	5.70	1.69	
1-Dodecene	ND	0.32	U	0.36	U	0.16	U
n-Dodecane	0.68	0.91	0.34	U	0.82	0.46	U
1-Tridecene	ND	ND	ND	ND	ND	ND	
n-Tridecane	ND	ND	ND	ND	ND	ND	
TNMOC (speciated) in ug/m ³	104.58	71.39	77.54	102.60	102.93	111.56	
TNMOC (w/ unknowns) in ppbC	257.37	195.94	201.06	323.91	243.84	323.63	

U Under detection limit.

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(Reported in ug/m³)

Sample No.:	SLMO 29534	SLMO 29302	SLMO 29537	SLMO 29571	SLMO 29712	SLMO 29803 D1	SLMO 29803 R1		
Sampling Date:	8/12/2002	8/18/2002	8/24/2002	8/30/2002	9/5/2002	9/11/2002	9/11/2002		
Analysis Date:		9/12/2002	9/18/2002	9/23/2002	9/25/2002	10/11/2002	10/15/2002		
Filename:	VOID	L2IK016	L2IQ017	L2IW006	L2IX018	L2JJ015	L2JO007		
Ethylene		3.35	2.63	2.69	3.23	1.98	1.92		
Acetylene		2.54	2.17	4.37	2.65	2.17	2.12		
Ethane		7.59	6.82	8.14	6.85	5.15	5.01		
Propylene		1.38	1.18	1.27	1.48	1.06	0.97		
Propane		4.63	4.99	5.03	7.18	3.51	2.97		
Propyne		ND	ND	ND	ND	ND	ND		
Isobutane		1.40	1.36	1.50	1.54	1.22	1.19		
Isobutene/1-Butene		1.27	1.05	1.13	1.28	0.85	0.81		
1,3-Butadiene		0.20	0.15	0.15	U	0.17	ND		
n-Butane		2.34	2.40	2.38	3.00	1.83	1.74		
trans-2-Butene		0.40	0.52	0.35	0.40	0.36	0.29		
cis-2-Butene		0.52	0.49	0.40	0.50	0.44	0.39		
3-Methyl-1-butene		ND	ND	ND	ND	ND	ND		
Isopentane		4.64	4.95	4.66	5.79	3.32	3.27		
1-Pentene		0.32	0.36	0.48	ND	ND	0.31		
2-Methyl-1-butene		0.23	ND	0.20	0.28	0.13	U	0.12	U
n-Pentane		2.23	2.50	1.92	2.43	1.14	1.09		
Isoprene		2.12	1.40	0.75	0.80	0.47	0.47		
trans-2-Pentene		0.47	0.44	0.42	0.44	0.28	0.27		
cis-2-Pentene		0.49	0.45	0.47	0.46	0.33	0.37		
2-Methyl-2-butene		0.33	0.43	0.24	0.28	0.13	U	0.14	
2,2-Dimethylbutane		0.69	0.69	0.63	0.73	0.43	0.44		
Cyclopentene		ND	ND	ND	ND	0.18	0.19		
4-Methyl-1-pentene		ND	ND	ND	ND	ND	ND		
Cyclopentane		0.50	0.49	0.45	0.50	0.38	0.47		
2,3-Dimethylbutane		1.12	0.99	0.94	1.02	0.68	0.65		
2-Methylpentane		2.58	2.43	1.67	2.23	0.97	0.94		
3-Methylpentane		1.50	1.43	1.42	1.65	0.45	0.66		
2-Methyl-1-pentene		ND	ND	ND	ND	ND	ND		
1-Hexene		0.43	0.47	0.56	0.55	0.37	0.40		
2-Ethyl-1-butene		ND	ND	ND	ND	ND	ND		
n-Hexane		1.40	1.21	1.32	1.56	0.80	0.73		
trans-2-Hexene		ND	ND	ND	ND	ND	ND		
cis-2-Hexene		ND	ND	ND	ND	ND	ND		
Methylcyclopentane		0.74	0.75	0.77	0.91	0.48	0.58		
2,4-Dimethylpentane		0.70	0.67	0.61	0.65	0.46	0.49		
Benzene		1.32	1.23	1.91	1.61	1.15	1.13		
Cyclohexane		0.65	0.59	0.57	0.64	0.68	0.25		
2-Methylhexane		1.39	1.03	0.66	1.16	0.34	0.35		
2,3-Dimethylpentane		1.37	1.12	0.84	1.05	0.62	0.53		
3-Methylhexane		1.37	1.08	1.45	2.52	0.88	0.61		
1-Heptene		ND	ND	0.21	0.28	ND	0.15		
2,2,4-Trimethylpentane		2.26	2.20	1.84	2.05	1.20	1.15		
n-Heptane		0.74	0.73	0.81	1.07	0.53	0.51		
Methylcyclohexane		0.68	0.70	0.77	0.96	0.51	0.37		
2,2,3-Trimethylpentane		0.29	0.36	0.21	0.26	ND	ND		
2,3,4-Trimethylpentane		1.21	1.00	0.78	0.91	0.55	0.62		
Toluene		10.27	5.30	5.37	5.06	3.08	2.85		
2-Methylheptane		0.31	0.34	0.30	0.39	0.23	0.39		
3-Methylheptane		0.38	0.41	0.38	0.45	0.24	0.23		
1-Octene		ND	ND	0.28	0.21	0.24	0.24		
n-Octane		0.44	0.40	0.45	0.53	0.44	0.38		
Ethylbenzene		3.10	1.05	1.07	0.92	0.53	0.50		
m-Xylene/p-Xylene		13.07	3.23	3.35	2.83	1.89	1.58		
Styrene		0.13	0.55	0.93	1.32	1.16	ND		
o-Xylene		6.18	1.69	1.70	1.49	0.98	0.84		
1-Nonene		ND	ND	0.22	0.20	0.17	U	0.16	U
n-Nonane		0.49	0.41	0.50	0.73	0.46	0.36		
Isopropylbenzene		0.39	0.33	0.35	0.34	0.28	0.25		
α-Pinene		0.45	0.22	0.43	0.32	ND	ND		
n-Propylbenzene		0.31	0.26	0.19	0.32	0.17	0.25		
m-Ethyltoluene		0.65	0.51	0.53	0.63	0.46	0.36		
p-Ethyltoluene		0.38	0.46	0.42	0.48	0.33	0.23		
1,3,5-Trimethylbenzene		0.38	0.46	0.52	0.71	0.37	0.37		
o-Ethyltoluene		ND	0.56	0.46	ND	ND	ND		
β-Pinene		ND	1.17	1.45	ND	0.84	ND		
1,2,4-Trimethylbenzene		1.33	1.19	1.41	1.46	0.89	0.75		
1-Decene		ND	ND	ND	ND	ND	ND		
n-Decane		3.47	0.96	0.82	1.19	1.08	0.40		
1,2,3-Trimethylbenzene		0.50	0.32	0.28	0.34	0.18	0.19		
m-Diethylbenzene		6.10	ND	ND	ND	ND	ND		
p-Diethylbenzene		0.33	ND	ND	ND	ND	ND		
1-Undecene		ND	ND	0.15	U	ND	ND		
n-Undecane		2.05	0.84	0.63	0.87	0.42	0.60		
1-Dodecene		0.22	U	0.32	U	0.20	U	ND	
n-Dodecane		0.35	U	0.41	U	0.35	U	0.53	
1-Tridecene		0.00	U	0.00	U	ND	ND		
n-Tridecane		ND	ND	ND	ND	ND	ND		
TNMOC (speciated) in ug/m ³		108.70	74.77	77.82	82.43	50.88	46.15		
TNMOC (w/ unknowns) in ppbC		260.52	193.44	188.92	212.83	132.50	121.93		

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(Reported in ug/m³)

Sample No.:	SLMO 29805 D2	SLMO 29805 R2	SLMO 29974	SLMO 29984	SLMO 30098	SLMO 30090	SLMO 31068
Sampling Date:	9/11/2002	9/11/2002	9/17/2002	9/23/2002	9/29/2002	10/5/2002	12/4/2002
Analysis Date:	10/11/2002	10/15/2002		10/16/2002	10/18/2002	10/23/2002	1/2/2003
Filename:	L2JJ016	L2JC008	VOID	L2JP015	L2JR008	L2JV018	L3AB015
Ethylene	1.86	1.77		7.66	4.55	2.83	3.82
Acetylene	2.09	2.00		6.42	2.10	1.45	2.95
Ethane	4.95	4.91		18.45	8.75	5.27	7.37
Propylene	0.98	0.91		3.09	2.18	1.30	1.36
Propane	3.52	3.32		8.63	19.06	3.66	4.55
Propyne	ND	ND		ND	ND	ND	ND
Isobutane	1.23	1.11		4.21	7.66	2.13	2.12
Isobutene/1-Butene	0.82	0.76		2.30	3.16	1.19	0.93
1,3-Butadiene	ND	ND		0.51	0.22	0.16	0.15
n-Butane	1.95	1.92		6.90	4.28	6.02	4.88
trans-2-Butene	0.31	0.27		0.65	0.41	0.37	0.14
cis-2-Butene	0.44	0.40		0.85	0.63	0.41	0.33
3-Methyl-1-butene	ND	ND		0.24	0.18	ND	ND
Isopentane	3.12	3.02		13.04	24.99	6.46	4.10
1-Pentene	ND	0.36		0.79	0.77	ND	0.18
2-Methyl-1-butene	0.15	0.13	U	0.67	0.38	0.33	0.23
n-Pentane	1.11	1.04		4.09	4.30	1.99	1.98
Isoprene	0.49	0.49		1.37	1.14	0.59	0.30
trans-2-Pentene	0.30	0.23		1.12	0.59	0.54	0.28
cis-2-Pentene	0.38	0.36		0.88	0.63	0.37	0.11
2-Methyl-2-butene	0.13	U	0.15	0.94	0.35	0.38	0.22
2,2-Dimethylbutane	0.45	0.47		1.19	0.74	0.57	0.20
Cyclopentene	ND	ND		ND	ND	ND	0.19
4-Methyl-1-pentene	ND	ND		ND	ND	ND	ND
Cyclopentane	0.40	0.40		0.85	1.01	0.53	0.29
2,3-Dimethylbutane	0.72	0.65		2.48	1.28	0.93	0.31
2-Methylpentane	1.07	0.95		5.85	1.78	1.83	1.13
3-Methylpentane	0.84	0.77		4.82	2.58	2.21	1.79
2-Methyl-1-pentene	ND	ND		0.17	0.36	ND	0.14
1-Hexene	0.30	0.23		0.48	0.81	0.41	0.22
2-Ethyl-1-butene	ND	ND		ND	ND	ND	ND
n-Hexane	0.90	0.78		3.56	1.52	0.30	1.02
trans-2-Hexene	ND	ND		0.15	U	ND	ND
cis-2-Hexene	ND	ND		0.14	U	ND	ND
Methylcyclopentane	0.57	0.55		2.18	0.83	0.87	0.57
2,4-Dimethylpentane	0.46	0.45		1.66	0.61	0.56	0.16
Benzene	1.15	0.98		3.06	1.93	1.00	1.47
Cyclohexane	0.90	0.86		1.43	1.27	0.50	0.26
2-Methylhexane	0.38	0.42		3.26	0.70	0.81	1.17
2,3-Dimethylpentane	0.73	0.69		2.68	0.95	0.33	1.10
3-Methylhexane	0.32	0.36		ND	ND	1.46	4.10
1-Heptene	ND	ND		ND	ND	ND	0.23
2,2,4-Trimethylpentane	1.20	1.13		7.15	2.00	1.88	0.73
n-Heptane	0.53	0.41		2.30	1.54	0.63	0.50
Methylcyclohexane	0.50	0.52		1.22	0.81	ND	0.38
2,2,3-Trimethylpentane	0.09	U	ND	1.10	ND	0.27	ND
2,3,4-Trimethylpentane	0.56	0.57		3.00	0.97	0.84	0.32
Toluene	3.15	3.24		13.30	14.36	3.70	2.87
2-Methylheptane	0.31	0.35		0.97	0.81	0.48	0.33
3-Methylheptane	0.24	0.27		1.26	0.91	0.30	0.14
1-Octene	ND	ND		ND	0.21	ND	ND
n-Octane	0.40	0.42		0.88	1.82	0.41	0.30
Ethylbenzene	0.62	0.58		1.79	4.08	0.73	0.62
m-Xylene/p-Xylene	1.72	1.51		6.14	16.11	2.35	3.01
Styrene	0.44	ND		0.36	4.75	0.36	ND
o-Xylene	0.90	0.81		3.08	7.49	1.01	1.46
1-Nonene	ND	0.10	U	0.21	ND	ND	0.33
n-Nonane	0.38	0.35		1.21	1.59	0.37	0.31
Isopropylbenzene	0.33	0.45		0.42	1.73	0.29	0.12
α-Pinene	ND	0.21		0.36	6.79	0.20	1.86
n-Propylbenzene	0.22	0.17		0.55	1.28	0.22	0.39
m-Ethyltoluene	0.46	0.42		1.50	1.61	0.46	0.44
p-Ethyltoluene	0.31	0.25		0.87	1.02	0.34	0.40
1,3,5-Trimethylbenzene	0.40	0.37		1.42	0.95	0.38	ND
o-Ethyltoluene	0.28	0.20		0.66	ND	0.22	ND
β-Pinene	0.44	ND		0.33	1.09	0.30	ND
1,2,4-Trimethylbenzene	0.74	0.74		3.03	2.90	0.92	0.51
1-Decene	ND	ND		ND	ND	ND	ND
n-Decane	0.55	0.36		2.67	3.74	0.74	0.33
1,2,3-Trimethylbenzene	0.24	0.20		0.66	1.66	0.72	0.20
m-Diethylbenzene	ND	ND		ND	ND	ND	ND
p-Diethylbenzene	ND	ND		0.44	ND	ND	0.26
1-Undecene	ND	ND		0.24	ND	ND	0.13
n-Undecane	0.49	0.52		2.18	6.21	0.40	1.14
1-Dodecene	0.17	U	ND	ND	9.72	ND	0.23
n-Dodecane	0.31	U	0.25	U	1.19	6.59	0.29
1-Tridecene	ND	ND		ND	ND	ND	ND
n-Tridecane	ND	ND		ND	0.00	ND	ND
TNMOC (speciated) in ug/m ³	49.03	46.14		177.22	205.49	66.55	68.15
TNMOC (w/ unknowns) in ppbC	120.03	112.67		359.38	803.92	186.15	349.06

U Under detection limit.

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(Reported in ug/m³)

Sample No.:	SLMO 31067	SLMO 31260	SLMO 31400	SLMO 31402			
Sampling Date:	12/10/2002	12/16/2002	12/22/2002	12/28/2002			
Analysis Date:	1/10/2003	1/11/2003	1/13/2003	1/14/2003			
Filename:	N3AJ005	N3AJ016	L3AM008	L3AM017			
Ethylene	7.48	3.17	2.97	4.28			
Acetylene	7.65	4.22	2.03	3.20			
Ethane	19.01	12.67	8.72	16.49			
Propylene	2.78	1.27	1.17	1.39			
Propane	15.03	11.84	4.78	11.05			
Propyne	ND	ND	ND	ND			
Isobutane	4.92	3.70	1.89	3.09			
Isobutene/1-Butene	2.17	1.02	0.96	0.86			
1,3-Butadiene	0.50	0.19	0.17	0.20			
n-Butane	16.87	11.39	4.43	7.82			
trans-2-Butene	0.63	0.30	0.15	0.16			
cis-2-Butene	0.50	0.25	0.13	0.17			
3-Methyl-1-butene	0.18	0.09	U	0.14			
Isopentane	10.09	5.85	3.27	5.12			
1-Pentene	0.44	0.18	0.16	0.19			
2-Methyl-1-butene	0.60	0.27	0.22	0.31			
n-Pentane	4.32	3.00	1.50	2.56			
Isoprene	0.27	0.13	0.27	0.26			
trans-2-Pentene	0.81	0.39	0.26	0.35			
cis-2-Pentene	0.43	0.16	0.12	U	0.16		
2-Methyl-2-butene	0.95	0.36	0.23	0.36			
2,2-Dimethylbutane	0.49	0.45	0.17	0.23			
Cyclopentene	0.15	0.13	U	ND	0.16		
4-Methyl-1-pentene	ND	ND	ND	ND			
Cyclopentane	0.45	0.24	0.24	0.36			
2,3-Dimethylbutane	1.02	0.48	0.30	0.51			
2-Methylpentane	3.38	2.32	1.04	1.78			
3-Methylpentane	2.32	1.26	2.13	1.38			
2-Methyl-1-pentene	0.20	ND	ND	ND			
1-Hexene	0.23	0.08	U	0.12	U	ND	ND
2-Ethyl-1-butene	ND	ND	ND	ND			
n-Hexane	3.37	1.64	0.82	1.39			
trans-2-Hexene	0.34	0.18	ND	ND			
cis-2-Hexene	0.12	U	0.11	U	ND	ND	
Methylcyclopentane	1.54	0.84	0.51	0.85			
2,4-Dimethylpentane	0.51	0.28	0.14	0.27			
Benzene	3.12	1.81	1.24	1.77			
Cyclohexane	0.54	0.29	0.22	0.49			
2-Methylhexane	2.09	1.17	0.75	1.79			
2,3-Dimethylpentane	1.72	1.45	0.56	0.55			
3-Methylhexane	2.48	1.32	0.78	0.91			
1-Heptene	ND	0.12	U	0.12	U	0.15	
2,2,4-Trimethylpentane	2.27	0.96	0.73	1.18			
n-Heptane	1.59	0.79	0.42	0.69			
Methylcyclohexane	1.57	0.69	0.14	0.54			
2,2,3-Trimethylpentane	0.64	0.19	ND	0.17			
2,3,4-Trimethylpentane	0.73	0.35	0.34	0.52			
Toluene	8.86	4.10	2.25	3.68			
2-Methylheptane	0.69	0.38	0.53	0.40			
3-Methylheptane	0.56	0.21	0.15	0.26			
1-Octene	0.09	U	ND	ND			
n-Octane	0.57	0.31	0.18	0.38			
Ethylbenzene	1.43	0.62	0.46	0.59			
m-Xylene/p-Xylene	7.60	4.92	1.99	3.32			
Styrene	1.08	0.95	0.11	0.32			
o-Xylene	3.04	2.23	1.05	1.71			
1-Nonene	0.48	0.73	ND	ND			
n-Nonane	0.65	0.32	0.31	0.32			
Isopropylbenzene	0.12	U	0.08	U	ND	ND	
α-Pinene	ND	ND	ND	ND			
n-Propylbenzene	0.44	0.24	0.15	U	0.20		
m-Ethyltoluene	1.38	0.69	0.37	0.57			
p-Ethyltoluene	0.70	0.34	0.15	U	0.36		
1,3,5-Trimethylbenzene	0.80	0.28	0.13	0.19			
o-Ethyltoluene	0.47	0.21	0.15	U	0.15	U	
β-Pinene	ND	ND	ND	0.22			
1,2,4-Trimethylbenzene	2.03	1.16	0.39	0.80			
1-Decene	ND	ND	ND	ND			
n-Decane	0.89	0.64	0.21	0.65			
1,2,3-Trimethylbenzene	0.64	0.37	ND	0.19			
m-Diethylbenzene	0.18	0.24	ND	0.23			
p-Diethylbenzene	0.59	0.62	ND	0.44			
1-Undecene	0.14	U	0.72	ND	0.34		
n-Undecane	1.29	5.73	0.68	9.17			
1-Dodecene	ND	ND	ND	0.30	U		
n-Dodecane	0.22	U	0.32	U	0.15	U	0.72
1-Tridecene	ND	ND	ND	ND			
n-Tridecane	ND	ND	ND	ND			
TNMOC (speciated) in ug/m ³	161.46	104.02	53.60	99.36			
TNMOC (w/ unknowns) in ppbC	440.66	337.07	190.26	340.09			