APPENDIX B

TABLES 1 THROUGH 12:
SEASONAL TRENDS TABLES
SEASONAL STATISTICS TABLES

TABLE 1 (Page 1 of 8)
SEASONAL TRENDS IN DETECTED VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
26 September to 31 December, 2006

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15.

VOC Detected in One or More Valid Samples *	**Valid Sample Dates ****														
	Tues 9/26	Mon 10/2	Tues 10/10	Wed 10/18	Fri 10/20	Thurs 10/26	Wed 11/1	Tues 11/7	Mon 11/13	**Sun 11/19**	**Sat 11/25**	Thurs 12/7	Wed 12/13	Tues 12/19	**Sun 12/31**
Acetylene	0.26	0.17 0.16	0.33	1.44	0.35	0.34	0.29	0.60 0.61	0.56	0.76	0.32	1.00	0.26	0.27	0.22
Propylene	1.41	2.16 2.22	0.95	0.83	0.35	0.16	0.31	0.60 0.69	0.93	0.78	0.17	0.78	0.60	0.52	0.57
Dichlorodifluoromethane (Freon 12)	2.23	2.63 2.58	2.48	2.53	3.02	2.68	2.38	2.73 2.68	2.58	2.28	2.82	2.58	2.18	2.08	2.08
Chloromethane	0.99	**1.30** **1.24**	1.03	**1.10**	**1.49**	**1.37**	1.01	**1.22** **1.22**	1.01	0.91	**1.45**	**1.10**	0.85	0.77	0.79
Dichlorotetrafluoroethane (Freon 114)	0.07	0.14 0.07	0.14	0.14	0.14	0.14	0.07	0.14 0.14	0.14	0.14	0.14	0.14	0.14	0.07	0.07U
Vinyl Chloride	ND	ND ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	0.03U
1,3-Butadiene	0.02	ND ND	**0.04**	**0.04**	**0.04**	ND	0.02	ND ND	**0.04**	**0.04**	ND	**0.04**	0.02	0.02	ND
Bromomethane	0.04	0.04 0.04	0.08	0.08	0.04	0.08	0.04	0.04 0.04	0.08	0.04	0.08	0.04	0.04	0.04	0.04U

* VOCs shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark in one or more samples.

** Sample dates on weekends and holidays are shown in **Bold Face**. Sample concentrations are in micrograms per cubic meter. Sample dates with two concentrations indicate duplicate samples. Sample concentrations shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark. ND = VOC not detected in this sample.

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Chloroethane	0.08	0.11 0.11	0.05	0.05	0.08	0.05	0.03	0.05 0.05	0.05	0.05	0.08	ND	0.03	0.03	0.03U
Acetonitrile	0.32	0.45 0.45	0.27	0.22	0.10U	ND	0.12U	0.15U 0.15U	0.17	0.14U	0.12U	ND	0.19	0.22	0.10
Acrolein	**4.27**	**4.30** **3.77**	**3.42**	**1.54**	0.23U	0.18U	**0.80**	**1.52** **1.24**	**3.93**	**3.10**	**0.39**	**1.93**	**1.29**	**2.39**	**1.98**
Trichlorofluoromethane (Freon 11)	1.29	1.52 1.46	1.41	1.46	1.69	1.46	1.29	1.52 1.46	1.52	1.35	1.69	1.52	1.29	1.24	1.18
Acrylonitrile	ND	ND ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND
Dichloromethane (Methylene Chloride)	0.14	0.14 0.14	0.24	0.21	0.17	0.21	0.17	0.21 0.24	0.21	0.21	0.24	0.17	0.14	0.17	0.14
Carbon Disulfide	0.06	0.09 0.09	0.06	0.09	0.06	ND	0.06	ND ND	0.06	0.09	0.13	ND	ND	0.03	0.19

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Trichlorotrifluoroethane	0.69	0.77 0.77	0.69	0.77	0.85	0.77	0.61	0.77 0.69	0.69	0.69	0.92	0.77	0.69	0.69	0.69
Trans-1,2-Dichloroethylene	ND	ND ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-Butyl Ether	ND	ND ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone	10.20	10.80 11.20	8.90	3.28	0.65	0.53	1.83	3.43 3.49	14.20	8.48	1.27	4.79	4.40	4.82	4.46
Chloroprene	ND	ND ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	ND	ND ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ND	ND ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND

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** Sample dates on weekends and holidays are shown in **Bold Face**. Sample concentrations are in micrograms per cubic meter. Sample dates with two concentrations indicate duplicate samples. Sample concentrations shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark. ND = VOC not detected in sample.

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VOC Detected in One or More Valid Samples *	Valid Sample Dates **														
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Chloroform	**0.10**	0.05 0.05	**0.10**	**0.10**	**0.10**	**0.10**	0.05	**0.10** 0.05	**0.10**	**0.10**	**0.10**	ND	0.05	0.05	0.10U
Ethyl tert-Butyl Ether	ND	ND ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND ND	ND	ND	ND	ND	ND	ND ND	ND	ND	**0.12**	ND	ND	ND	ND
1,1,1-Trichloroethane	0.11	0.11 0.11	0.11	0.11	0.11	0.11	0.11	0.11 0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.05U
Benzene	**0.42**	**0.32** **0.32**	**0.64**	**0.64**	**0.64**	**0.67**	**0.32**	**0.58** **0.54**	**0.64**	**0.90**	**0.80**	**0.67**	**0.42**	**0.48**	**0.35**
Carbon Tetrachloride	**0.82**	**1.01** **1.01**	**0.63**	**0.69**	**0.82**	**0.88**	**0.76**	**1.01** **0.88**	**0.76**	**0.63**	**0.88**	**0.76**	**0.50**	**0.57**	**0.50**
tert-Amyl Methyl Ether	ND	ND ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	0.05U	ND ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND

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Ethyl Acrylate	ND	ND ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	ND	**0.11** ND	**0.05**	**0.11**	ND	ND	**0.11**	ND ND	ND	**0.11**	ND	ND	ND	ND	**0.54**
Methyl Methacrylate	ND	ND ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND
Methyl Isobutyl Ketone	1.81	1.60 1.81	1.52	0.66	0.12	ND	0.37	0.78 0.62	1.52	0.74	0.16	0.58	0.33	0.45	0.49
trans-1,3-Dichloropropene	ND	ND ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND

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Toluene	0.49	0.23 0.19	1.10	0.83	0.49	0.42	0.34	0.53 0.57	0.83	1.25	0.57	0.57	0.49	0.64	0.30
Dibromochloromethane	ND	ND ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ND	ND ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND
n-Octane	0.23	0.14 0.09	0.28	0.14	0.14	0.09	0.09	0.09 0.09	0.23	0.19	0.14	ND	0.14	0.05	0.09
Tetrachloroethylene	0.07U	ND ND	0.07U	ND	ND	ND	ND	ND ND	ND	0.14	ND	ND	0.07U	0.07U	0.07U
Chlorobenzene	ND	ND ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.09	0.04 0.04	0.22	0.17	0.13	0.09	0.09	0.09 0.09	0.17	0.26	0.09	0.13	0.09	0.04	0.04U
m,p-Xylene	0.26	0.09 0.13	0.57	0.44	0.22	0.13	0.22	0.22 0.17	0.39	0.61	0.17	0.26	0.17	0.09	0.09U

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Bromoform	ND	ND ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ND	0.04 0.04	0.17	0.13	0.09	0.09	0.04	0.09 0.09	0.21	0.17	0.09	0.09	ND	ND	0.26
1,1,2,2-Tetrachloroethane	ND	ND ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.13	0.09 0.04	0.26	0.22	0.13	0.09	0.09	0.13 0.09	0.17	0.31	0.09	0.13	0.09	0.04	0.04U
1,3,5-Trimethylbenzene	0.05	0.05 ND	0.10	0.05	0.05	0.05	0.05	0.05 0.05	0.10	0.10	0.05	0.05	ND	ND	ND
1,2,4-Trimethylbenzene	0.10	0.10 0.15	0.30	0.20	0.10	0.10	0.10	0.10 0.10	0.20	0.30	0.10	0.15	0.05	ND	0.05U
m-Dichlorobenzene	ND	ND ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND
Chloromethylbenzene	ND	ND ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND

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TABLE 1 (Page 8 of 8)
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p-Dichlorobenzene	ND	ND ND	0.06	ND	ND	ND	ND	ND ND	ND	0.06	ND	ND	ND	ND	ND
o-Dichlorobenzene	ND	ND ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND
Hexachloro-1,3-Butadiene	ND	ND ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND

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TABLE 2 (Page 1 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
Autumn Season – 26 September through 31 December, 2006

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15
Method Detection Limits (MDLs) and VOC concentrations (mean, range, standard deviation, and coefficient of variation) are in $\mu g/m^3$
VOC concentrations that were undetected (flagged ND or U) were set equal to ½ their MDL, then included in calculation of statistics
Total number (n) of valid samples during season = 17
* = statistics not calculated

VOC (boldface indicates VOC exceeded an EPA benchmark, ODEQ MAAC, or ATSDR MRL in one or more samples)	MDL reported by ERG in Sep – Dec and on [12/31]	Number of samples in which VOC was detected	Arithmetic mean concentration of VOC	Concentration range of VOC (minimum to maximum)	Standard deviation (S or σ_{n-1})	Coefficient of variation (CV) Boldface if > 1	Number of times VOC concentration exceeded EPA benchmark	Number of times VOC concentration exceeded ODEQ MAAC	Number of times VOC concentration exceeded ATSDR MRL
Acetylene	0.024 [0.018]	17	0.467	0.16 – 1.44	0.338	0.725	0	0	0
Propylene	0.015 [0.064]	17	0.825	0.16 – 2.22	0.599	0.726	0	0	0
Dichlorodifluoromethane (Freon 12)	0.026 [0.084]	17	2.502	2.08 – 3.02	0.264	0.106	0	0	0
Chloromethane	0.028 [0.060]	17	1.109	0.77 – 1.49	0.220	0.198	9	0	0
Dichlorotetrafluoroethane (Freon 114)	0.023 [0.140]	16	0.119	0.07U – 0.14	0.033	0.276	0	0	0
Vinyl Chloride	0.020 [0.089]	0	*	ND – 0.03U	*	*	0	0	0
1,3-Butadiene	0.013 [0.082]	10	0.024	ND – 0.04	0.015	0.636	6	0	0
Bromomethane	0.040 [0.101]	16	0.053	0.04U – 0.08	0.019	0.350	0	0	0

TABLE 2 (Page 2 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
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VOC (boldface indicates VOC exceeded an EPA benchmark, ODEQ MAAC, or ATSDR MRL in one or more samples)	MDL reported by ERG in Sep – Dec and on [12/31]	Number of samples in which VOC was detected	Arithmetic mean concentration of VOC	Concentration range of VOC (minimum to maximum)	Standard deviation (S or σ_{n-1})	Coefficient of variation (CV) Boldface if > 1	Number of times VOC concentration exceeded EPA benchmark	Number of times VOC concentration exceeded ODEQ MAAC	Number of times VOC concentration exceeded ATSDR MRL
Chloroethane	0.021 [0.061]	15	0.055	ND – 0.11	0.028	0.509	0	0	0
Acetonitrile	0.166 [0.081]	9	0.180	ND – 0.45	0.127	0.706	0	0	0
Acrolein	0.246 [0.103]	15	2.124	0.18U – 4.30	1.437	0.676	15	7	15
Trichlorofluoromethane (Freon 11)	0.038 [0.118]	17	1.432	1.18 – 1.69	0.145	0.101	0	0	0
Acrylonitrile	0.124 [0.122]	0	*	ND	*	*	0	0	0
1,1-Dichloroethene	0.057 [0.111]	0	*	ND	*	*	0	0	0
Dichloromethane (Methylene Chloride)	0.059 [0.063]	17	0.185	0.14 – 0.24	0.038	0.206	0	0	0
Carbon Disulfide	0.028 [0.075]	12	0.064	ND – 0.19	0.048	0.748	0	0	0

TABLE 2 (Page 3 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
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VOC (boldface indicates VOC exceeded an EPA benchmark, ODEQ MAAC, or ATSDR MRL in one or more samples)	MDL reported by ERG in Sep – Dec and on [12/31]	Number of samples in which VOC was detected	Arithmetic mean concentration of VOC	Concentration range of VOC (minimum to maximum)	Standard deviation (S or σ_{n-1})	Coefficient of variation (CV) Boldface if > 1	Number of times VOC concentration exceeded EPA benchmark	Number of times VOC concentration exceeded ODEQ MAAC	Number of times VOC concentration exceeded ATSDR MRL
Trichlorotrifluoroethane	0.089 [0.161]	17	0.736	0.61 – 0.92	0.074	0.100	0	0	0
Trans-1,2-Dichloroethylene	0.071 [0.103]	0	*	ND	*	*	0	0	0
1,1-Dichloroethane	0.026 [0.101]	0	*	ND	*	*	0	0	0
Methyl tert-Butyl Ether	0.007 [0.094]	0	*	ND	*	*	0	0	0
Methyl Ethyl Ketone	0.129 [0.218]	17	5.69	0.53 – 14.20	4.140	0.728	0	0	0
Chloroprene	0.078 [0.127]	0	*	ND	*	*	0	0	0
cis-1,2-Dichloroethylene	0.062 [0.067]	0	*	ND	*	*	0	0	0
Bromochloromethane	0.102 [0.132]	0	*	ND	*	*	0	0	0

TABLE 2 (Page 4 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
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* = statistics not calculated

VOC (boldface indicates VOC exceeded an EPA benchmark, ODEQ MAAC, or ATSDR MRL in one or more samples)	MDL reported by ERG in Sep – Dec and on [12/31]	Number of samples in which VOC was detected	Arithmetic mean concentration of VOC	Concentration range of VOC (minimum to maximum)	Standard deviation (S or σ_{n-1})	Coefficient of variation (CV) Boldface if > 1	Number of times VOC concentration exceeded EPA benchmark	Number of times VOC concentration exceeded ODEQ MAAC	Number of times VOC concentration exceeded ATSDR MRL
Chloroform	0.018 [0.112]	15	0.074	ND – 0.10	0.030	0.401	9	0	0
Ethyl tert-Butyl Ether	0.031 [0.088]	0	*	ND	*	*	0	0	0
1,2-Dichloroethane	0.059 [0.134]	1	0.037	ND – 0.12	0.023	0.628	1	0	0
1,1,1-Trichloroethane	0.018 [0.115]	16	0.107	0.05U – 0.11	0.013	0.119	0	0	0
Benzene	0.017 [0.112]	17	0.55	0.32 – 0.90	0.174	0.316	17	0	0
Carbon Tetrachloride	0.056 [0.107]	17	0.771	0.50 – 1.01	0.167	0.216	17	0	0
tert-Amyl Methyl Ether	0.050 [0.092]	0	*	ND	*	*	0	0	0
1,2-Dichloropropane	0.153 [0.143]	0	*	ND – 0.05U	*	*	0	0	0

TABLE 2 (Page 5 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
Autumn Season – 26 September through 31 December, 2006

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15
Method Detection Limits (MDLs) and VOC concentrations (mean, range, standard deviation, and coefficient of variation) are in $\mu g/m^3$
VOC concentrations that were undetected (flagged ND or U) were set equal to ½ their MDL, then included in calculation of statistics
Total number (n) of valid samples during season = 17
* = statistics not calculated

VOC (boldface indicates VOC exceeded an EPA benchmark, ODEQ MAAC, or ATSDR MRL in one or more samples)	MDL reported by ERG in Sep – Dec and on [12/31]	Number of samples in which VOC was detected	Arithmetic mean concentration of VOC	Concentration range of VOC (minimum to maximum)	Standard deviation (S or σ_{n-1})	Coefficient of variation (CV) Boldface if > 1	Number of times VOC concentration exceeded EPA benchmark	Number of times VOC concentration exceeded ODEQ MAAC	Number of times VOC concentration exceeded ATSDR MRL
Ethyl Acrylate	0.046 [0.147]	0	*	ND	*	*	0	0	0
Bromodichloromethane	0.050 [0.167]	0	*	ND	*	*	0	0	0
Trichloroethylene (TCE)	0.054 [0.140]	6	0.078	ND – 0.54	0.124	**1.593**	6	0	0
Methyl Methacrylate	0.025 [0.135]	0	*	ND	*	*	0	0	0
cis-1,3-Dichloropropene	0.064 [0.159]	0	*	ND	*	*	0	0	0
Methyl Isobutyl Ketone	0.029 [0.143]	16	0.799	ND – 1.81	0.609	0.762	0	0	0
trans-1,3-Dichloropropene	0.042 [0.159]	0	*	ND	*	*	0	0	0
1,1,2-Trichloroethane	0.031 [0.125]	0	*	ND	*	*	0	0	0

TABLE 2 (Page 6 of 8)

SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS

Autumn Season – 26 September through 31 December, 2006

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15
Method Detection Limits (MDLs) and VOC concentrations (mean, range, standard deviation, and coefficient of variation) are in $\mu g/m^3$
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Total number (n) of valid samples during season = 17
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VOC (boldface indicates VOC exceeded an EPA benchmark, ODEQ MAAC, or ATSDR MRL in one or more samples)	MDL reported by ERG in Sep – Dec and on [12/31]	Number of samples in which VOC was detected	Arithmetic mean concentration of VOC	Concentration range of VOC (minimum to maximum)	Standard deviation (S or σ_{n-1})	Coefficient of variation (CV) Boldface if > 1	Number of times VOC concentration exceeded EPA benchmark	Number of times VOC concentration exceeded ODEQ MAAC	Number of times VOC concentration exceeded ATSDR MRL
Toluene	0.017 [0.121]	17	0.579	0.19 – 1.25	0.286	0.494	0	0	0
Dibromochloromethane	0.089 [0.179]	0	*	ND	*	*	0	0	0
1,2-Dibromoethane	0.136 [0.161]	0	*	ND	*	*	0	0	0
n-Octane	0.028 [0.093]	16	0.131	ND – 0.28	0.069	0.526	0	0	0
Tetrachloroethylene	0.072 [0.108]	1	0.043	ND – 0.14	0.025	0.589	0	0	0
Chlorobenzene	0.025 [0.087]	0	*	ND	*	*	0	0	0
Ethylbenzene	0.020 [0.113]	16	0.111	0.04U – 0.26	0.063	0.565	0	0	0
m,p-Xylene	0.041 [0.230]	16	0.250	0.09U – 0.61	0.160	0.639	0	0	0

TABLE 2 (Page 7 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
Autumn Season – 26 September through 31 December, 2006

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15
Method Detection Limits (MDLs) and VOC concentrations (mean, range, standard deviation, and coefficient of variation) are in $\mu g/m^3$
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VOC (boldface indicates VOC exceeded an EPA benchmark, ODEQ MAAC, or ATSDR MRL in one or more samples)	MDL reported by ERG in Sep – Dec and on [12/31]	Number of samples in which VOC was detected	Arithmetic mean concentration of VOC	Concentration range of VOC (minimum to maximum)	Standard deviation (S or σ_{n-1})	Coefficient of variation (CV) Boldface if > 1	Number of times VOC concentration exceeded EPA benchmark	Number of times VOC concentration exceeded ODEQ MAAC	Number of times VOC concentration exceeded ATSDR MRL
Bromoform	0.173 [0.227]	0	*	ND	*	*	0	0	0
Styrene	0.043 [0.128]	14	0.098	ND – 0.26	0.070	0.713	0	0	0
1,1,2,2-Tetrachloroethane	0.089 [0.144]	0	*	ND	*	*	0	0	0
o-Xylene	0.019 [0.135]	16	0.128	0.04U – 0.31	0.074	0.581	0	0	0
1,3,5-Trimethylbenzene	0.020 [0.138]	13	0.053	ND – 0.10	0.028	0.528	0	0	0
1,2,4-Trimethylbenzene	0.016 [0.128]	15	0.131	ND – 0.30	0.080	0.607	0	0	0
m-Dichlorobenzene	0.022 [0.150]	0	*	ND	*	*	0	0	0
Chloromethylbenzene	0.027 [0.176]	0	*	ND	*	*	0	0	0

TABLE 2 (Page 8 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
Autumn Season – 26 September through 31 December, 2006

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15
Method Detection Limits (MDLs) and VOC concentrations (mean, range, standard deviation, and coefficient of variation) are in $\mu g/m^3$
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VOC (boldface indicates VOC exceeded an EPA benchmark, ODEQ MAAC, or ATSDR MRL in one or more samples)	MDL reported by ERG in Sep – Dec and on [12/31]	Number of samples in which VOC was detected	Arithmetic mean concentration of VOC	Concentration range of VOC (minimum to maximum)	Standard deviation (S or σ_{n-1})	Coefficient of variation (CV) Boldface if > 1	Number of times VOC concentration exceeded EPA benchmark	Number of times VOC concentration exceeded ODEQ MAAC	Number of times VOC concentration exceeded ATSDR MRL
p-Dichlorobenzene	0.034 [0.162]	2	0.026	ND – 0.06	0.020	0.773	0	0	0
o-Dichlorobenzene	0.030 [0.162]	0	*	ND	*	*	0	0	0
1,2,4-Trichlorobenzene	0.111 [0.519]	0	*	ND	*	*	0	0	0
Hexachloro-1,3-Butadiene	0.140 [0.512]	0	*	ND	*	*	0	0	0

TABLE 3 (Page 1 of 8)
SEASONAL TRENDS IN DETECTED VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
6 January to 31 March, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15.

VOC Detected in One or More Valid Samples *	Valid Sample Dates **														
	Sat 1/6	Fri 1/12	Thurs 1/18	Wed 1/24	Tues 1/30	Mon 2/5	**Sun 2/11**	**Sat 2/17**	Fri 2/23	Thurs 3/1	Wed 3/7	Tues 3/13	Mon 3/19	**Sun 3/25**	**Sat 3/31**
Acetylene	1.49	1.09 1.20	0.43	1.29	0.25	0.63	0.94	0.63	0.22	0.25	0.50	0.23	0.19	0.10	0.15
Propylene	0.60	0.71 0.88	0.31	0.29	0.31	0.32	0.99	0.15	0.22	0.24	0.63	0.25	0.27	0.47	0.33
Dichlorodifluoromethane (Freon 12)	2.28	2.33 2.53	2.13	2.08	2.08	2.43	2.47	2.42	2.10	2.38	2.49	2.45	2.22	2.25	3.59
Chloromethane	1.06	1.08 **1.16**	0.81	0.83	0.81	0.93	1.01	0.95	0.87	1.03	1.06	**1.18**	1.02	1.06	1.01
Dichlorotetrafluoroethane (Freon 114)	0.14	0.07U 0.14	0.07U	0.07	0.07U	0.12U	0.11U	0.12U	0.11U	0.11U	0.13U	0.13U	0.11U	0.11U	0.14U
Vinyl Chloride	ND	ND 0.03U	ND	ND	ND	ND	0.01U	ND	ND	ND	ND	ND	ND	0.01U	ND
1,3-Butadiene	0.04U	0.02U 0.04U	0.02U	**0.04**	ND	**0.04**	**0.08**	ND	0.03U	ND	**0.04**	0.03U	0.02U	0.02U	0.02U
Bromomethane	0.04U	0.04U 0.04U	0.04U	0.04	0.04U	0.05U	0.05U	0.04U	0.04U	0.05U	0.05U	0.07U	0.05U	0.05U	0.05U

* VOCs shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark in one or more samples.

** Sample dates on weekends and holidays are shown in **Bold Face**. Sample concentrations are in micrograms per cubic meter. Sample dates with two concentrations indicate duplicate samples. Sample concentrations shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark. ND = VOC not detected in this sample. U = Under detection limit.

TABLE 3 (Page 2 of 8)
SEASONAL TRENDS IN DETECTED VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
6 January to 31 March, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15.

VOC Detected in One or More Valid Samples *	Valid Sample Dates **														
	Sat 1/6	Fri 1/12	Thurs 1/18	Wed 1/24	Tues 1/30	Mon 2/5	**Sun 2/11**	**Sat 2/17**	Fri 2/23	Thurs 3/1	Wed 3/7	Tues 3/13	Mon 3/19	**Sun 3/25**	**Sat 3/31**
Chloroethane	0.03U	0.03U 0.03U	ND	0.03	ND	0.05U	0.04U	0.03U	0.06	0.05	0.06	0.08	0.05	0.06	0.05
Acetonitrile	ND	ND ND	0.10	0.14U	0.08	0.09	0.18	0.10	0.22	0.14	0.28	0.32	0.24	0.34	0.38
Acrolein	**1.31**	**0.97** **1.17**	**1.24**	**1.33**	**1.59**	**0.89**	**1.36**	**0.68**	**1.33**	**1.86**	**2.64**	**1.07**	**1.30**	**2.04**	**2.50**
Trichlorofluoromethane (Freon 11)	1.29	1.29 1.41	1.18	1.24	1.07	1.32	1.37	1.36	1.27	1.44	1.40	1.41	1.33	1.29	2.17
Acrylonitrile	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloromethane (Methylene Chloride)	0.21	0.35 0.38	0.21	0.17	0.14	0.15	0.20	0.16	0.16	0.19	0.20	0.16	0.17	0.14	0.19
Carbon Disulfide	0.06U	0.13 0.13	ND	ND	ND	0.16	ND	ND	ND	0.03U	ND	ND	ND	0.14	0.05U

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** Sample dates on weekends and holidays are shown in **Bold Face**. Sample concentrations are in micrograms per cubic meter. Sample dates with two concentrations indicate duplicate samples. Sample concentrations shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark. ND = VOC not detected in sample. U = Under detection limit.

TABLE 3 (Page 3 of 8)
SEASONAL TRENDS IN DETECTED VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
6 January to 31 March, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15.

VOC Detected in One or More Valid Samples *	Valid Sample Dates **														
	Sat 1/6	Fri 1/12	Thurs 1/18	Wed 1/24	Tues 1/30	Mon 2/5	**Sun 2/11**	**Sat 2/17**	Fri 2/23	Thurs 3/1	Wed 3/7	Tues 3/13	Mon 3/19	**Sun 3/25**	**Sat 3/31**
Trichlorotrifluoroethane	0.61	0.61 0.69	0.69	0.77	0.69	0.85	0.65	0.82	0.78	0.81	0.89	0.92	0.83	0.83	0.92
Trans-1,2-Dichloroethylene	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-Butyl Ether	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone	2.42	1.80 3.13	2.69	2.28	3.43	1.74	5.29	1.11	2.58	3.28	7.18	2.04	4.58	6.00	6.27
Chloroprene	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.02U

* VOCs shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark in one or more samples.

** Sample dates on weekends and holidays are shown in **Bold Face**. Sample concentrations are in micrograms per cubic meter. Sample dates with two concentrations indicate duplicate samples. Sample concentrations shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark. ND = VOC not detected in sample. U = Under detection limit.

TABLE 3 (Page 4 of 8)
SEASONAL TRENDS IN DETECTED VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
6 January to 31 March, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15.

VOC Detected in One or More Valid Samples *	Valid Sample Dates **														
	Sat 1/6	Fri 1/12	Thurs 1/18	Wed 1/24	Tues 1/30	Mon 2/5	**Sun 2/11**	**Sat 2/17**	Fri 2/23	Thurs 3/1	Wed 3/7	Tues 3/13	Mon 3/19	**Sun 3/25**	**Sat 3/31**
Chloroform	0.05U	0.10U 0.10U	0.10U	0.05	ND	0.07U	0.07U	0.07U	0.06U	**0.09**	0.07U	0.08U	0.06U	0.05U	**0.09**
Ethyl tert-Butyl Ether	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.05U	0.05U 0.11U	0.05U	0.05	0.05U	0.09	0.08U	0.09	0.09	0.09	0.10	0.10	0.10	0.08U	0.12
Benzene	**0.58**	**1.02** **0.67**	**0.42**	**0.45**	**0.29**	**0.53**	**1.09**	**0.26**	**0.29**	**0.30**	**0.58**	**0.49**	**0.33**	**0.31**	**0.30**
Carbon Tetrachloride	**0.50**	**0.50** **0.57**	**0.50**	**0.50**	**0.50**	**0.54**	**0.54**	**0.54**	**0.52**	**0.55**	**0.56**	**0.60**	**0.59**	**0.52**	**0.79**
tert-Amyl Methyl Ether	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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** Sample dates on weekends and holidays are shown in **Bold Face**. Sample concentrations are in micrograms per cubic meter. Sample dates with two concentrations indicate duplicate samples. Sample concentrations shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark. ND = VOC not detected in sample. U = Under detection limit.

TABLE 3 (Page 5 of 8)
SEASONAL TRENDS IN DETECTED VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
6 January to 31 March, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15.

VOC Detected in One or More Valid Samples *	Valid Sample Dates **														
	Sat 1/6	Fri 1/12	Thurs 1/18	Wed 1/24	Tues 1/30	Mon 2/5	**Sun 2/11**	**Sat 2/17**	Fri 2/23	Thurs 3/1	Wed 3/7	Tues 3/13	Mon 3/19	**Sun 3/25**	**Sat 3/31**
Ethyl Acrylate	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	0.05U	0.05U 0.05U	ND	ND	0.11U	ND	0.03U	ND	ND	ND	**0.11**	ND	ND	**0.11**	ND
Methyl Methacrylate	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Isobutyl Ketone	0.41	0.33 0.53	0.21	0.21	0.25	0.19	0.45	0.14	0.21	0.30	0.44	0.18	0.26	0.42	0.39
trans-1,3-Dichloropropene	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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** Sample dates on weekends and holidays are shown in **Bold Face**. Sample concentrations are in micrograms per cubic meter. Sample dates with two concentrations indicate duplicate samples. Sample concentrations shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark. ND = VOC not detected in sample. U = Under detection limit.

TABLE 3 (Page 6 of 8)
SEASONAL TRENDS IN DETECTED VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
6 January to 31 March, 2007

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VOC Detected in One or More Valid Samples *	Valid Sample Dates **														
	Sat 1/6	Fri 1/12	Thurs 1/18	Wed 1/24	Tues 1/30	Mon 2/5	**Sun 2/11**	**Sat 2/17**	Fri 2/23	Thurs 3/1	Wed 3/7	Tues 3/13	Mon 3/19	**Sun 3/25**	**Sat 3/31**
Toluene	0.57	0.57 0.57	0.49	0.60	0.34	0.60	0.80	0.25	0.17	0.23	0.46	0.40	0.25	0.29	0.33
Dibromochloromethane	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Octane	0.14	0.14 0.14	0.09	0.09	0.05U	0.06	0.13	ND	ND	0.08	0.07	0.04	ND	0.03	0.07
Tetrachloroethylene	0.07U	0.07U 0.07U	0.07U	0.07U	0.07U	ND	0.06U	0.04U	0.05U	ND	0.05U	0.10	0.07U	0.05U	0.03U
Chlorobenzene	ND	ND ND	ND	ND	ND	0.01U	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	0.13	0.13 0.13	0.09U	0.09	0.09U	0.11	0.25	0.03U	0.02U	0.03U	0.09	0.07	0.03U	0.03U	0.05U
m,p-Xylene	0.26	0.26 0.26	0.17U	0.17	0.13U	0.25	0.16	0.05U	0.04U	0.05U	0.11	0.13	0.06U	0.08U	0.10

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TABLE 3 (Page 7 of 8)
SEASONAL TRENDS IN DETECTED VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
6 January to 31 March, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15.

VOC Detected in One or More Valid Samples *	Valid Sample Dates **														
	Sat 1/6	Fri 1/12	Thurs 1/18	Wed 1/24	Tues 1/30	Mon 2/5	**Sun 2/11**	**Sat 2/17**	Fri 2/23	Thurs 3/1	Wed 3/7	Tues 3/13	Mon 3/19	**Sun 3/25**	**Sat 3/31**
Bromoform	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	0.09U	0.09U 0.09U	0.04U	0.13	ND	ND	0.11	ND	0.02U	0.32	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.13U	0.13U 0.13U	0.09U	0.09	0.09U	0.12	0.24	0.03U	0.02U	0.04U	0.07	0.07	0.03U	0.04U	0.04U
1,3,5-Trimethylbenzene	0.05U	0.05U 0.05U	ND	0.05	ND	0.03U	0.06	ND	ND	ND	0.01U	0.02U	ND	0.01U	0.01U
1,2,4-Trimethylbenzene	0.15	0.15 0.10U	0.05U	0.05	0.10U	0.13	0.14	0.03U	0.01U	0.05	0.04U	0.06	0.03U	0.06	0.03U
m-Dichlorobenzene	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethylbenzene	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

* VOCs shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark in one or more samples.

** Sample dates on weekends and holidays are shown in **Bold Face**. Sample concentrations are in micrograms per cubic meter. Sample dates with two concentrations indicate duplicate samples. Sample concentrations shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark. ND = VOC not detected in sample. U = Under detection limit.

TABLE 3 (Page 8 of 8)
SEASONAL TRENDS IN DETECTED VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
6 January to 31 March, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15.

VOC Detected in One or More Valid Samples *	Valid Sample Dates **														
	Sat 1/6	Fri 1/12	Thurs 1/18	Wed 1/24	Tues 1/30	Mon 2/5	**Sun 2/11**	**Sat 2/17**	Fri 2/23	Thurs 3/1	Wed 3/7	Tues 3/13	Mon 3/19	**Sun 3/25**	**Sat 3/31**
p-Dichlorobenzene	ND	ND ND	ND	ND	ND	ND	0.02U	ND	ND	ND	ND	ND	ND	ND	ND
o-Dichlorobenzene	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloro-1,3-Butadiene	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

* VOCs shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark in one or more samples.

** Sample dates on weekends and holidays are shown in **Bold Face**. Sample concentrations are in micrograms per cubic meter. Sample dates with two concentrations indicate duplicate samples. Sample concentrations shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark. ND = VOC not detected in sample. U = Under detection limit.

TABLE 4 (Page 1 of 8)

SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS

Winter Season – January, February, March, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15
Method Detection Limits (MDLs) and VOC concentrations (mean, range, standard deviation, and coefficient of variation) are in $\mu g/m^3$
VOC concentrations that were undetected (flagged ND or U) were set equal to ½ their MDL, then included in calculation of statistics
Total number (n) of valid samples during season = 16
* = statistics not calculated

VOC (boldface indicates VOC exceeded an EPA benchmark, ODEQ MAAC, or ATSDR MRL in one or more samples)	MDL reported by ERG in [Jan] and in Feb - Mar	Number of samples in which VOC was detected	Arithmetic mean concentration of VOC	Concentration range of VOC (minimum to maximum)	Standard deviation (S or σ_{n-1})	Coefficient of variation (CV) Boldface if > 1	Number of times VOC concentration exceeded EPA benchmark	Number of times VOC concentration exceeded ODEQ MAAC	Number of times VOC concentration exceeded ATSDR MRL
Acetylene	[0.018] 0.029	16	0.599	0.10 – 1.49	0.460	0.768	0	0	0
Propylene	[0.064] 0.067	16	0.436	0.15 – 0.99	0.252	0.578	0	0	0
Dichlorodifluoromethane (Freon 12)	[0.084] 0.089	16	2.389	2.08 – 3.59	0.355	0.149	0	0	0
Chloromethane	[0.060] 0.056	16	0.992	0.81 – 1.18	0.116	0.117	2	0	0
Dichlorotetrafluoroethane (Freon 114)	[0.140] 0.147	3	0.081	0.07U – 0.14	0.023	0.285	0	0	0
Vinyl Chloride	[0.089] 0.061	0	*	ND – 0.03U	*	*	0	0	0
1,3-Butadiene	[0.082] 0.040	4	0.034	ND – 0.08	0.016	0.471	4	0	0
Bromomethane	[0.101] 0.097	1	0.049	0.04U – 0.04	0.002	0.051	0	0	0

TABLE 4 (Page 2 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
Winter Season – January, February, March, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15
Method Detection Limits (MDLs) and VOC concentrations (mean, range, standard deviation, and coefficient of variation) are in $\mu g/m^3$
VOC concentrations that were undetected (flagged ND or U) were set equal to ½ their MDL, then included in calculation of statistics
Total number (n) of valid samples during season = 16
* = statistics not calculated

VOC (boldface indicates VOC exceeded an EPA benchmark, ODEQ MAAC, or ATSDR MRL in one or more samples)	MDL reported by ERG in [Jan] and in Feb - Mar	Number of samples in which VOC was detected	Arithmetic mean concentration of VOC	Concentration range of VOC (minimum to maximum)	Standard deviation (S or σ_{n-1})	Coefficient of variation (CV) Boldface if > 1	Number of times VOC concentration exceeded EPA benchmark	Number of times VOC concentration exceeded ODEQ MAAC	Number of times VOC concentration exceeded ATSDR MRL
Chloroethane	[0.061] 0.050	8	0.042	ND – 0.08	0.017	0.402	0	0	0
Acetonitrile	[0.081] 0.054	12	0.165	ND – 0.38	0.117	0.712	0	0	0
Acrolein	[0.103] 0.057	16	1.455	0.68 – 2.64	0.550	0.378	16	3	16
Trichlorofluoromethane (Freon 11)	[0.118] 0.124	16	1.365	1.07 – 2.17	0.235	0.172	0	0	0
Acrylonitrile	[0.122] 0.052	0	*	ND	*	*	0	0	0
1,1-Dichloroethene	[0.111] 0.087	0	*	ND	*	*	0	0	0
Dichloromethane (Methylene Chloride)	[0.063] 0.052	16	0.199	0.14 – 0.38	0.069	0.347	0	0	0
Carbon Disulfide	[0.075] 0.065	4	0.061	ND – 0.16	0.048	0.784	0	0	0

TABLE 4 (Page 3 of 8)

SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS

Winter Season – January, February, March, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15
Method Detection Limits (MDLs) and VOC concentrations (mean, range, standard deviation, and coefficient of variation) are in $\mu g/m^3$
VOC concentrations that were undetected (flagged ND or U) were set equal to ½ their MDL, then included in calculation of statistics
Total number (n) of valid samples during season = 16
* = statistics not calculated

VOC (boldface indicates VOC exceeded an EPA benchmark, ODEQ MAAC, or ATSDR MRL in one or more samples)	MDL reported by ERG in [Jan] and in Feb - Mar	Number of samples in which VOC was detected	Arithmetic mean concentration of VOC	Concentration range of VOC (minimum to maximum)	Standard deviation (S or σ_{n-1})	Coefficient of variation (CV) Boldface if > 1	Number of times VOC concentration exceeded EPA benchmark	Number of times VOC concentration exceeded ODEQ MAAC	Number of times VOC concentration exceeded ATSDR MRL
Trichlorotrifluoroethane	[0.161] 0.161	16	0.773	0.61 – 0.92	0.104	0.134	0	0	0
Trans-1,2-Dichloroethylene	[0.103] 0.063	0	*	ND	*	*	0	0	0
1,1-Dichloroethane	[0.101] 0.065	0	*	ND	*	*	0	0	0
Methyl tert-Butyl Ether	[0.094] 0.032	0	*	ND	*	*	0	0	0
Methyl Ethyl Ketone	[0.218] 0.121	16	3.489	1.11 – 7.18	1.826	0.523	0	0	0
Chloroprene	[0.127] 0.047	0	*	ND	*	*	0	0	0
cis-1,2-Dichloroethylene	[0.067] 0.067	0	*	ND	*	*	0	0	0
Bromochloromethane	[0.132] 0.095	0	*	ND – 0.02U	*	*	0	0	0

TABLE 4 (Page 4 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
Winter Season – January, February, March, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15
Method Detection Limits (MDLs) and VOC concentrations (mean, range, standard deviation, and coefficient of variation) are in $\mu g/m^3$
VOC concentrations that were undetected (flagged ND or U) were set equal to ½ their MDL, then included in calculation of statistics
Total number (n) of valid samples during season = 16
* = statistics not calculated

VOC (boldface indicates VOC exceeded an EPA benchmark, ODEQ MAAC, or ATSDR MRL in one or more samples)	MDL reported by ERG in [Jan] and in Feb - Mar	Number of samples in which VOC was detected	Arithmetic mean concentration of VOC	Concentration range of VOC (minimum to maximum)	Standard deviation (S or σ_{n-1})	Coefficient of variation (CV) Boldface if > 1	Number of times VOC concentration exceeded EPA benchmark	Number of times VOC concentration exceeded ODEQ MAAC	Number of times VOC concentration exceeded ATSDR MRL
Chloroform	[0.112] 0.083	3	0.053	ND – 0.09	0.016	0.302	2	0	0
Ethyl tert-Butyl Ether	[0.088] 0.033	0	*	ND	*	*	0	0	0
1,2-Dichloroethane	[0.134] 0.085	0	*	ND	*	*	0	0	0
1,1,1-Trichloroethane	[0.115] 0.087	9	0.075	0.05U – 0.12	0.024	0.325	0	0	0
Benzene	[0.112] 0.077	16	0.494	0.26 – 1.09	0.253	0.512	16	0	0
Carbon Tetrachloride	[0.107] 0.094	16	0.551	0.50 – 0.79	0.072	0.130	16	0	0
tert-Amyl Methyl Ether	[0.092] 0.046	0	*	ND	*	*	0	0	0
1,2-Dichloropropane	[0.143] 0.088	0	*	ND	*	*	0	0	0

TABLE 4 (Page 5 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
Winter Season – January, February, March, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15
Method Detection Limits (MDLs) and VOC concentrations (mean, range, standard deviation, and coefficient of variation) are in $\mu g/m^3$
VOC concentrations that were undetected (flagged ND or U) were set equal to ½ their MDL, then included in calculation of statistics
Total number (n) of valid samples during season = 16
* = statistics not calculated

VOC (boldface indicates VOC exceeded an EPA benchmark, ODEQ MAAC, or ATSDR MRL in one or more samples)	MDL reported by ERG in [Jan] and in Feb - Mar	Number of samples in which VOC was detected	Arithmetic mean concentration of VOC	Concentration range of VOC (minimum to maximum)	Standard deviation (S or σ_{n-1})	Coefficient of variation (CV) Boldface if > 1	Number of times VOC concentration exceeded EPA benchmark	Number of times VOC concentration exceeded ODEQ MAAC	Number of times VOC concentration exceeded ATSDR MRL
Ethyl Acrylate	[0.147] 0.061	0	*	ND	*	*	0	0	0
Bromodichloromethane	[0.167] 0.121	0	*	ND	*	*	0	0	0
Trichloroethylene (TCE)	[0.140] 0.097	2	0.064	ND – 0.11	0.021	0.322	2	0	0
Methyl Methacrylate	[0.135] 0.057	0	*	ND	*	*	0	0	0
cis-1,3-Dichloropropene	[0.159] 0.068	0	*	ND	*	*	0	0	0
Methyl Isobutyl Ketone	[0.143] 0.066	16	0.308	0.14 – 0.53	0.118	0.384	0	0	0
trans-1,3-Dichloropropene	[0.159] 0.068	0	*	ND	*	*	0	0	0
1,1,2-Trichloroethane	[0.125] 0.093	0	*	ND	*	*	0	0	0

TABLE 4 (Page 6 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
Winter Season – January, February, March, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15
Method Detection Limits (MDLs) and VOC concentrations (mean, range, standard deviation, and coefficient of variation) are in $\mu g/m^3$
VOC concentrations that were undetected (flagged ND or U) were set equal to ½ their MDL, then included in calculation of statistics
Total number (n) of valid samples during season = 16
* = statistics not calculated

VOC (boldface indicates VOC exceeded an EPA benchmark, ODEQ MAAC, or ATSDR MRL in one or more samples)	MDL reported by ERG in [Jan] and in Feb - Mar	Number of samples in which VOC was detected	Arithmetic mean concentration of VOC	Concentration range of VOC (minimum to maximum)	Standard deviation (S or σ_{n-1})	Coefficient of variation (CV) Boldface if > 1	Number of times VOC concentration exceeded EPA benchmark	Number of times VOC concentration exceeded ODEQ MAAC	Number of times VOC concentration exceeded ATSDR MRL
Toluene	[0.121] 0.064	16	0.433	0.17 – 0.80	0.177	0.408	0	0	0
Dibromochloromethane	[0.179] 0.119	0	*	ND	*	*	0	0	0
1,2-Dibromoethane	[0.161] 0.100	0	*	ND	*	*	0	0	0
n-Octane	[0.093] 0.033	12	0.074	ND – 0.14	0.045	0.612	0	0	0
Tetrachloroethylene	[0.108] 0.075	1	0.048	ND – 0.10	0.016	0.336	0	0	0
Chlorobenzene	[0.087] 0.060	0	*	ND – 0.01U	*	*	0	0	0
Ethylbenzene	[0.113] 0.052	8	0.079	0.02U – 0.25	0.061	0.775	0	0	0
m,p-Xylene	[0.230] 0.091	9	0.135	0.04U – 0.26	0.084	0.619	0	0	0

TABLE 4 (Page 7 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
Winter Season – January, February, March, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15
Method Detection Limits (MDLs) and VOC concentrations (mean, range, standard deviation, and coefficient of variation) are in $\mu g/m^3$
VOC concentrations that were undetected (flagged ND or U) were set equal to ½ their MDL, then included in calculation of statistics
Total number (n) of valid samples during season = 16
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VOC (boldface indicates VOC exceeded an EPA benchmark, ODEQ MAAC, or ATSDR MRL in one or more samples)	MDL reported by ERG in [Jan] and in Feb - Mar	Number of samples in which VOC was detected	Arithmetic mean concentration of VOC	Concentration range of VOC (minimum to maximum)	Standard deviation (S or σ_{n-1})	Coefficient of variation (CV) Boldface if > 1	Number of times VOC concentration exceeded EPA benchmark	Number of times VOC concentration exceeded ODEQ MAAC	Number of times VOC concentration exceeded ATSDR MRL
Bromoform	[0.227] 0.145	0	*	ND	*	*	0	0	0
Styrene	[0.128] 0.051	3	0.068	ND – 0.32	0.075	**1.098**	0	0	0
1,1,2,2-Tetrachloroethane	[0.144] 0.110	0	*	ND	*	*	0	0	0
o-Xylene	[0.135] 0.052	5	0.068	0.02U – 0.24	0.054	0.791	0	0	0
1,3,5-Trimethylbenzene	[0.138] 0.049	2	0.042	ND – 0.06	0.021	0.507	0	0	0
1,2,4-Trimethylbenzene	[0.128] 0.049	8	0.069	0.01U – 0.15	0.047	0.677	0	0	0
m-Dichlorobenzene	[0.150] 0.090	0	*	ND	*	*	0	0	0
Chloromethylbenzene	[0.176] 0.057	0	*	ND	*	*	0	0	0

TABLE 4 (Page 8 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
Winter Season – January, February, March, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15
Method Detection Limits (MDLs) and VOC concentrations (mean, range, standard deviation, and coefficient of variation) are in $\mu g/m^3$
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Total number (n) of valid samples during season = 16
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VOC (boldface indicates VOC exceeded an EPA benchmark, ODEQ MAAC, or ATSDR MRL in one or more samples)	MDL reported by ERG in [Jan] and in Feb - Mar	Number of samples in which VOC was detected	Arithmetic mean concentration of VOC	Concentration range of VOC (minimum to maximum)	Standard deviation (S or σ_{n-1})	Coefficient of variation (CV) Boldface if > 1	Number of times VOC concentration exceeded EPA benchmark	Number of times VOC concentration exceeded ODEQ MAAC	Number of times VOC concentration exceeded ATSDR MRL
p-Dichlorobenzene	[0.162] 0.090	0	*	ND – 0.02U	*	*	0	0	0
o-Dichlorobenzene	[0.162] 0.096	0	*	ND	*	*	0	0	0
1,2,4-Trichlorobenzene	[0.519] 0.297	0	*	ND	*	*	0	0	0
Hexachloro-1,3-Butadiene	[0.512] 0.384	0	*	ND	*	*	0	0	0

TABLE 5 (Page 1 of 8)
SEASONAL TRENDS IN DETECTED VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
6 April to 29 June, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15.

VOC Detected in One or More Valid Samples *	Valid Sample Dates **														
	Fri 4/6	Thurs 4/12	Wed 4/18	Tues 4/24	Mon 4/30	**Sun 5/6**	**Sat 5/12**	Fri 5/18	Thurs 5/24	Wed 5/30	Tues 6/5	Mon 6/11	**Sun 6/17**	**Sat 6/23**	Fri 6/29
Acetylene	2.29	0.48		0.45	0.41 0.43	0.10	0.34	0.55	0.20	0.46	0.27	0.19	0.29	0.61	0.71 0.71
Propylene	0.87	0.61		1.09	0.54 0.46	0.48	0.37	0.50	0.43	0.72	1.16	0.54	1.13	0.53	0.61 0.53
Dichlorodifluoromethane (Freon 12)	2.42	2.51		2.74	2.59 2.79	2.21	2.77	2.80	2.20	2.40	2.53	2.61	2.47	2.68	3.09 3.62
Chloromethane	**1.22**	1.07		**1.53**	**1.22** **1.32**	1.01	**1.18**	1.09	1.01	**1.13**	**1.12**	**1.37**	**1.26**	**1.46**	**1.42** **1.51**
Dichlorotetrafluoroethane (Freon 114)	0.04U	0.11U		0.11U	0.13U 0.12U	0.11U	0.11U	0.11U	0.10U	0.11U	0.11U	0.11U	0.11U	0.13U	0.05U 0.12U
Vinyl Chloride	ND	ND		ND	ND ND	ND	0.02U	ND	ND	0.01U	0.02U	0.01U	0.02U	0.01U	ND ND
1,3-Butadiene	0.03U	**0.04**		0.03U	0.03U 0.03U	0.01U	0.03U	0.02U	ND	0.02U	0.04U	0.01U	0.02U	0.01U	**0.07** **0.08**
Bromomethane	0.04U	0.05U		0.04U	0.04U 0.05U	0.06U	0.05U	0.04U	0.05U	0.05U	0.05U	0.06U	0.07U	0.06U	0.05U 0.06U

* VOCs shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark in one or more samples.

** Sample dates on weekends and holidays are shown in **Bold Face**. Sample concentrations are in micrograms per cubic meter. Sample dates with two concentrations indicate duplicate samples. Sample concentrations shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark. ND = VOC not detected in this sample. U = Under detection limit.

Duplicate samples that ran on April 18th were invalid due to suspected canister leak. Duplicate samples of June 29th were invalid because they were collected over a period of 110 hours, from June 29th through July 3rd.

TABLE 5 (Page 2 of 8)
SEASONAL TRENDS IN DETECTED VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
6 April to 29 June, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15.

VOC Detected in One or More Valid Samples *	Valid Sample Dates **														
	Fri 4/6	Thurs 4/12	Wed 4/18	Tues 4/24	Mon 4/30	**Sun 5/6**	**Sat 5/12**	Fri 5/18	Thurs 5/24	Wed 5/30	Tues 6/5	Mon 6/11	**Sun 6/17**	**Sat 6/23**	Fri 6/29
Chloroethane	0.03U	0.06		0.05U	0.07 0.07	0.05	0.05U	0.07	0.06	0.04U	0.08	0.05U	0.05	0.04U	0.04U 0.04U
Acetonitrile	0.11	0.16		0.34	0.24 0.23	0.39	0.28	0.19	0.36	0.32	0.24	0.31	1.65	0.31	0.37 0.38
Acrolein	**3.38**	**1.22**		**1.16**	**1.07** **0.82**	**2.23**	**1.17**	**2.17**	**1.66**	**2.50**	**1.34**	**2.89**	**1.98**	**1.78**	**2.18** **2.13**
Trichlorofluoromethane (Freon 11)	1.35	1.37		1.48	1.36 1.52	1.23	1.58	1.58	1.29	1.23	1.29	1.74	1.36	1.38	13.60 14.50
Acrylonitrile	ND	ND		ND	ND ND	ND	ND	ND	ND	0.04U	0.03U	ND	ND	ND	ND ND
1,1-Dichloroethene	ND	ND		ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND
Dichloromethane (Methylene Chloride)	0.17	0.20		0.16	0.17 0.22	0.16	0.27	0.21	0.15	0.16	0.22	0.22	1.37	0.16	0.36 0.36
Carbon Disulfide	0.03U	ND		0.11	0.05U 0.04U	0.04U	ND	0.04U	ND	0.05U	0.08	0.07	0.06U	0.06U	0.28 0.36

* VOCs shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark in one or more samples.

** Sample dates on weekends and holidays are shown in **Bold Face**. Sample concentrations are in micrograms per cubic meter. Sample dates with two concentrations indicate duplicate samples. Sample concentrations shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark. ND = VOC not detected in sample. U = Under detection limit.

Duplicate samples that ran on April 18th were invalid due to suspected canister leak. Duplicate samples of June 29th were invalid because they were collected over a period of 110 hours, from June 29th through July 3rd.

TABLE 5 (Page 3 of 8)
SEASONAL TRENDS IN DETECTED VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
6 April to 29 June, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15.

VOC Detected in One or More Valid Samples *	Valid Sample Dates **														
	Fri 4/6	Thurs 4/12	Wed 4/18	Tues 4/24	Mon 4/30	**Sun 5/6**	**Sat 5/12**	Fri 5/18	Thurs 5/24	Wed 5/30	Tues 6/5	Mon 6/11	**Sun 6/17**	**Sat 6/23**	Fri 6/29
Trichlorotrifluoroethane	0.58	0.78		0.65	0.65 0.71	0.71	0.72	0.71	0.68	0.60	0.63	0.66	0.61	0.65	0.63 0.68
Trans-1,2-Dichloroethylene	ND	ND		ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND
1,1-Dichloroethane	ND	ND		ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND
Methyl tert-Butyl Ether	ND	ND		ND	ND ND	ND	ND	0.01U	ND	ND	ND	ND	ND	ND	ND ND
Methyl Ethyl Ketone	4.88	3.49		3.28	3.43 2.41	6.35	2.62	3.78	3.75	8.66	5.53	6.89	7.80	6.35	3.87 3.55
Chloroprene	ND	ND		ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND
cis-1,2-Dichloroethylene	ND	ND		ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND
Bromochloromethane	ND	ND		ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND

* VOCs shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark in one or more samples.

** Sample dates on weekends and holidays are shown in **Bold Face**. Sample concentrations are in micrograms per cubic meter. Sample dates with two concentrations indicate duplicate samples. Sample concentrations shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark. ND = VOC not detected in sample. U = Under detection limit.

Duplicate samples that ran on April 18th were invalid due to suspected canister leak. Duplicate samples of June 29th were invalid because they were collected over a period of 110 hours, from June 29th through July 3rd.

TABLE 5 (Page 4 of 8)
SEASONAL TRENDS IN DETECTED VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
6 April to 29 June, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15.

VOC Detected in One or More Valid Samples *	Valid Sample Dates **														
	Fri 4/6	Thurs 4/12	Wed 4/18	Tues 4/24	Mon 4/30	**Sun 5/6**	**Sat 5/12**	Fri 5/18	Thurs 5/24	Wed 5/30	Tues 6/5	Mon 6/11	**Sun 6/17**	**Sat 6/23**	Fri 6/29
Chloroform	0.06U	0.06U		0.07U	0.08U **0.09**	0.05U	**0.10**	**0.09**	0.07U	0.07U	**0.09**	0.07U	0.07U	0.08	ND ND
Ethyl tert-Butyl Ether	ND	ND		ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND
1,2-Dichloroethane	ND	ND		ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND
1,1,1-Trichloroethane	0.09	0.10		0.09	0.09 0.10	0.08U	0.11	0.10	0.09	0.08U	0.08U	0.08U	0.08U	0.09	0.09U 0.11
Benzene	**0.70**	**0.56**		**0.52**	**0.54** **0.60**	**0.21**	**0.43**	**0.40**	**0.23**	**0.46**	**0.61**	**0.46**	**0.33**	**0.36**	**1.77** **2.15**
Carbon Tetrachloride	**0.81**	**0.57**		**0.67**	**0.65** **0.74**	**0.59**	**0.74**	**0.70**	**0.63**	**0.55**	**0.59**	**0.59**	**0.66**	**0.79**	**0.67** **0.80**
tert-Amyl Methyl Ether	ND	ND		ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND
1,2-Dichloropropane	ND	ND		ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND

* VOCs shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark in one or more samples.

** Sample dates on weekends and holidays are shown in **Bold Face**. Sample concentrations are in micrograms per cubic meter. Sample dates with two concentrations indicate duplicate samples. Sample concentrations shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark. ND = VOC not detected in sample. U = Under detection limit.

Duplicate samples that ran on April 18th were invalid due to suspected canister leak. Duplicate samples of June 29th were invalid because they were collected over a period of 110 hours, from June 29th through July 3rd.

TABLE 5 (Page 5 of 8)
SEASONAL TRENDS IN DETECTED VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
6 April to 29 June, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15.

VOC Detected in One or More Valid Samples *	Valid Sample Dates **														
	Fri 4/6	Thurs 4/12	Wed 4/18	Tues 4/24	Mon 4/30	**Sun 5/6**	**Sat 5/12**	Fri 5/18	Thurs 5/24	Wed 5/30	Tues 6/5	Mon 6/11	**Sun 6/17**	**Sat 6/23**	Fri 6/29
Ethyl Acrylate	ND	ND		ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND
Bromodichloromethane	ND	ND		ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND
Trichloroethylene (TCE)	ND	ND		0.09U	0.06U 0.06U	ND	ND	ND	ND	**0.13**	0.04U	**0.13**	ND	0.10U	0.07U **0.11**
Methyl Methacrylate	ND	ND		ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.12 0.16
cis-1,3-Dichloropropene	ND	ND		ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND
Methyl Isobutyl Ketone	0.44	0.29		0.51	0.34 0.30	0.39	0.25	0.39	0.36	0.82	0.69	0.82	0.61	0.60	0.57 0.55
trans-1,3-Dichloropropene	ND	ND		ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND
1,1,2-Trichloroethane	ND	ND		ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND

* VOCs shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark in one or more samples.

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TABLE 5 (Page 6 of 8)
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VOC Detected in One or More Valid Samples *	Valid Sample Dates **														
	Fri 4/6	Thurs 4/12	Wed 4/18	Tues 4/24	Mon 4/30	**Sun 5/6**	**Sat 5/12**	Fri 5/18	Thurs 5/24	Wed 5/30	Tues 6/5	Mon 6/11	**Sun 6/17**	**Sat 6/23**	Fri 6/29
Toluene	0.40	0.57		0.42	0.64 0.96	0.28	0.53	1.15	0.42	0.57	0.95	1.49	0.46	0.40	12.60 22.60
Dibromochloromethane	ND	ND		ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.04U 0.03U
1,2-Dibromoethane	ND	ND		ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND
n-Octane	0.18	0.07		0.14	0.11 0.11	ND	0.07	0.04	0.05	0.16	0.17	0.15	0.10	0.08	0.31 0.43
Tetrachloroethylene	0.03U	0.08		0.04U	0.05U 0.07	ND	0.05U	0.05U	ND	0.04U	0.05U	0.10	0.05U	0.05U	**1.41** **3.78**
Chlorobenzene	ND	ND		ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.09 0.08
Ethylbenzene	0.10	0.09		0.10	0.13 0.17	0.03U	0.11	0.09	0.05U	0.12	0.18	0.14	0.10	0.10	0.98 1.29
m,p-Xylene	0.20	0.13		0.18	0.25 0.36	0.07U	0.21	0.16	0.10	0.22	0.39	0.27	0.18	0.17	3.21 3.90

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TABLE 5 (Page 7 of 8)
SEASONAL TRENDS IN DETECTED VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
6 April to 29 June, 2007

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VOC Detected in One or More Valid Samples *	Valid Sample Dates **														
	Fri 4/6	Thurs 4/12	Wed 4/18	Tues 4/24	Mon 4/30	**Sun 5/6**	**Sat 5/12**	Fri 5/18	Thurs 5/24	Wed 5/30	Tues 6/5	Mon 6/11	**Sun 6/17**	**Sat 6/23**	Fri 6/29
Bromoform	ND	ND		ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND
Styrene	0.08	0.05		0.11	0.08 0.08	ND	0.08	ND	0.07	0.60	0.24	0.12	0.12	0.13	0.76 0.68
1,1,2,2-Tetrachloroethane	ND	ND		ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND
o-Xylene	0.10	0.09		0.10	0.12 0.15	0.04U	0.13	0.10	0.05	0.11	0.18	0.14	0.10	0.10	1.17 1.42
1,3,5-Trimethylbenzene	0.05	0.02U		0.06	0.06 0.06	0.01U	0.05	0.04U	0.01U	0.07	0.08	0.07	0.05	0.05	0.38 0.41
1,2,4-Trimethylbenzene	0.11	0.08		0.13	0.12 0.12	0.04U	0.12	0.09	0.05	0.15	0.21	0.16	0.12	0.10	1.39 1.44
m-Dichlorobenzene	ND	ND		ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND
Chloromethylbenzene	ND	ND		ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND

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TABLE 5 (Page 8 of 8)
SEASONAL TRENDS IN DETECTED VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
6 April to 29 June, 2007

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VOC Detected in One or More Valid Samples *	Valid Sample Dates **														
	Fri 4/6	Thurs 4/12	Wed 4/18	Tues 4/24	Mon 4/30	**Sun 5/6**	**Sat 5/12**	Fri 5/18	Thurs 5/24	Wed 5/30	Tues 6/5	Mon 6/11	**Sun 6/17**	**Sat 6/23**	Fri 6/29
p-Dichlorobenzene	ND	0.02U		ND	0.02U 0.02U	ND	0.02U	ND	ND	0.02U	0.03U	0.02U	0.02U	0.02U	0.08U 0.08U
o-Dichlorobenzene	ND	ND		ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.05U 0.08U
1,2,4-Trichlorobenzene	ND	ND		ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND
Hexachloro-1,3-Butadiene	ND	ND		ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND

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TABLE 6 (Page 1 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
Spring Season – April, May, June, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15
Method Detection Limits (MDLs) and VOC concentrations (mean, range, standard deviation, and coefficient of variation) are in $\mu g/m^3$
VOC concentrations that were undetected (flagged ND or U) were set equal to ½ their MDL, then included in calculation of statistics
Total number (n) of valid samples during season = 14
* = statistics not calculated

VOC (boldface indicates VOC exceeded an EPA benchmark, ODEQ MAAC, or ATSDR MRL in one or more samples)	MDL reported by ERG	Number of samples in which VOC was detected	Arithmetic mean concentration of VOC	Concentration range of VOC (minimum to maximum)	Standard deviation (S or σ_{n-1})	Coefficient of variation (CV) Boldface if > 1	Number of times VOC concentration exceeded EPA benchmark	Number of times VOC concentration exceeded ODEQ MAAC	Number of times VOC concentration exceeded ATSDR MRL
Acetylene	0.029	14	0.505	0.10 – 2.29	0.534	**1.06**	0	0	0
Propylene	0.067	14	0.674	0.37 – 1.16	0.275	0.408	0	0	0
Dichlorodifluoromethane (Freon 12)	0.089	14	2.551	2.20 – 2.80	0.199	0.078	0	0	0
Chloromethane	0.056	14	1.214	1.01 – 1.53	0.160	0.132	10	0	0
Dichlorotetrafluoroethane (Freon 114)	0.147	0	*	0.04U – 0.13U	*	*	0	0	0
Vinyl Chloride	0.061	0	*	ND – 0.02U	*	*	0	0	0
1,3-Butadiene	0.040	1	0.021	ND – 0.04	0.005	0.255	1	0	0
Bromomethane	0.097	0	*	0.04U – 0.07U	*	*	0	0	0

TABLE 6 (Page 2 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
Spring Season – April, May, June, 2007

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Chloroethane	0.050	8	0.047	0.03U – 0.08	0.021	0.455	0	0	0
Acetonitrile	0.054	14	0.366	0.11 – 1.65	0.378	**1.032**	0	0	0
Acrolein	0.057	14	1.812	0.82 – 3.38	0.754	0.416	14	5	14
Trichlorofluoromethane (Freon 11)	0.124	14	1.612	1.23 – 1.74	0.571	0.354	0	0	0
Acrylonitrile	0.052	0	*	ND – 0.04U	*	*	0	0	0
1,1-Dichloroethene	0.087	0	*	ND	*	*	0	0	0
Dichloromethane (Methylene Chloride)	0.052	14	0.274	0.15 – 1.37	0.317	**1.158**	0	0	0
Carbon Disulfide	0.065	3	0.044	ND – 0.11	0.024	0.556	0	0	0

TABLE 6 (Page 3 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
Spring Season – April, May, June, 2007

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VOC (boldface indicates VOC exceeded an EPA benchmark, ODEQ MAAC, or ATSDR MRL in one or more samples)	MDL reported by ERG	Number of samples in which VOC was detected	Arithmetic mean concentration of VOC	Concentration range of VOC (minimum to maximum)	Standard deviation (S or σ_{n-1})	Coefficient of variation (CV) Boldface if > 1	Number of times VOC concentration exceeded EPA benchmark	Number of times VOC concentration exceeded ODEQ MAAC	Number of times VOC concentration exceeded ATSDR MRL
Trichlorotrifluoroethane	0.161	14	0.667	0.58 – 0.78	0.055	0.082	0	0	0
Trans-1,2-Dichloroethylene	0.063	0	*	ND	*	*	0	0	0
1,1-Dichloroethane	0.065	0	*	ND	*	*	0	0	0
Methyl tert-Butyl Ether	0.032	0	*	ND – 0.01U	*	*	0	0	0
Methyl Ethyl Ketone	0.121	14	4.944	2.41 – 8.66	1.997	0.404	0	0	0
Chloroprene	0.047	0	*	ND	*	*	0	0	0
cis-1,2-Dichloroethylene	0.067	0	*	ND	*	*	0	0	0
Bromochloromethane	0.095	0	*	ND	*	*	0	0	0

TABLE 6 (Page 4 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
Spring Season – April, May, June, 2007

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Chloroform	0.083	5	0.059	0.05U – 0.10	0.024	0.414	4	0	0
Ethyl tert-Butyl Ether	0.033	0	*	ND	*	*	0	0	0
1,2-Dichloroethane	0.085	0	*	ND	*	*	0	0	0
1,1,1-Trichloroethane	0.087	9	0.077	0.08U – 0.11	0.027	0.344	0	0	0
Benzene	0.077	14	0.458	0.21 – 0.70	0.143	0.313	14	0	0
Carbon Tetrachloride	0.094	14	0.663	0.55 – 0.81	0.083	0.125	14	0	0
tert-Amyl Methyl Ether	0.046	0	*	ND	*	*	0	0	0
1,2-Dichloropropane	0.088	0	*	ND	*	*	0	0	0

TABLE 6 (Page 5 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
Spring Season – April, May, June, 2007

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Ethyl Acrylate	0.061	0	*	ND	*	*	0	0	0
Bromodichloromethane	0.121	0	*	ND	*	*	0	0	0
Trichloroethylene (TCE)	0.097	2	0.060	ND – 0.13	0.030	0.493	2	0	0
Methyl Methacrylate	0.057	0	*	ND	*	*	0	0	0
cis-1,3-Dichloropropene	0.068	0	*	ND	*	*	0	0	0
Methyl Isobutyl Ketone	0.066	14	0.486	0.25 – 0.82	0.192	0.395	0	0	0
trans-1,3-Dichloropropene	0.068	0	*	ND	*	*	0	0	0
1,1,2-Trichloroethane	0.093	0	*	ND	*	*	0	0	0

TABLE 6 (Page 6 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
Spring Season – April, May, June, 2007

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Toluene	0.064	14	0.66	0.28 – 1.49	0.348	0.527	0	0	0
Dibromochloromethane	0.119	0	*	ND	*	*	0	0	0
1,2-Dibromoethane	0.100	0	*	ND	*	*	0	0	0
n-Octane	0.033	13	0.103	ND – 0.18	0.051	0.499	0	0	0
Tetrachloroethylene	0.075	3	0.047	ND – 0.10	0.020	0.434	0	0	0
Chlorobenzene	0.060	0	*	ND	*	*	0	0	0
Ethylbenzene	0.052	12	0.106	0.03U – 0.18	0.044	0.413	0	0	0
m,p-Xylene	0.091	13	0.205	0.07U – 0.39	0.093	0.451	0	0	0

TABLE 6 (Page 7 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
Spring Season – April, May, June, 2007

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Bromoform	0.145	0	*	ND	*	*	0	0	0
Styrene	0.051	12	0.129	ND – 0.60	0.146	**1.128**	0	0	0
1,1,2,2-Tetrachloroethane	0.110	0	*	ND	*	*	0	0	0
o-Xylene	0.052	13	0.107	0.04U – 0.18	0.039	0.360	0	0	0
1,3,5-Trimethylbenzene	0.049	10	0.050	0.01U – 0.08	0.019	0.376	0	0	0
1,2,4-Trimethylbenzene	0.049	13	0.113	0.04U – 0.21	0.046	0.404	0	0	0
m-Dichlorobenzene	0.090	0	*	ND	*	*	0	0	0
Chloromethylbenzene	0.057	0	*	ND	*	*	0	0	0

TABLE 6 (Page 8 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
Spring Season – April, May, June, 2007

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p-Dichlorobenzene	0.090	0	*	ND – 0.03U	*	*	0	0	0
o-Dichlorobenzene	0.096	0	*	ND	*	*	0	0	0
1,2,4-Trichlorobenzene	0.297	0	*	ND	*	*	0	0	0
Hexachloro-1,3-Butadiene	0.384	0	*	ND	*	*	0	0	0

TABLE 7 (Page 1 of 8)
SEASONAL TRENDS IN DETECTED VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
5 July to 27 September, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15.

VOC Detected in One or More Valid Samples *	Valid Sample Dates **														
	Thurs 7/5	Wed 7/11	Tues 7/17	Mon 7/23	**Sun 7/29**	**Sat 8/4**	Fri 8/10	Thurs 8/16	Wed 8/22	Tues 8/28	Mon 9/3	**Sun 9/9**	**Sat 9/15**	Fri 9/21	Thurs 9/27
Acetylene	0.32	0.31 0.29	0.14	0.78	0.38	0.27 0.28	0.36	0.26	0.14	0.31	0.63	0.26	0.25	0.32	0.92
Propylene	0.24	0.33 0.52	0.20	0.41	0.37	0.51 0.36	0.94	0.30	0.27	0.70	0.38	0.14	0.86	0.37	0.40
Dichlorodifluoromethane (Freon 12)	0.73	2.85 2.82	2.39	2.99	3.02	2.59 2.72	2.48	2.53	2.55	2.60	2.70	2.86	2.50	2.35	2.90
Chloromethane	0.39	**1.36** **1.34**	**1.23**	**1.35**	**1.50**	**1.24** **1.30**	**1.53**	**1.18**	**1.13**	1.09	**1.21**	**1.33**	1.03	**1.21**	**1.29**
Dichlorotetrafluoroethane (Freon 114)	0.02U	0.15 0.16	0.11U	0.13U	0.06U	0.11U 0.12U	0.11U	0.11U	0.06U	0.12U	0.11U	0.13U	0.11U	0.11U	0.13U
Vinyl Chloride	ND	0.02U 0.02U	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	0.02U	0.01U	ND	0.02U
1,3-Butadiene	ND	0.03U 0.03U	0.01U	0.02U	0.03U	0.02U 0.02U	0.02U	ND	ND	0.02U	ND	0.03U	0.02U	0.02U	0.03U
Bromomethane	ND	0.08U 0.08U	0.05U	0.07U	0.07U	0.07U 0.06U	0.05U	0.08U	0.06U	0.07U	0.06U	0.06U	0.04U	0.07U	0.06U

* VOCs shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark in one or more samples.

** Sample dates on weekends and holidays are shown in **Bold Face**. Sample concentrations are in micrograms per cubic meter. Sample dates with two concentrations indicate duplicate samples. Sample concentrations shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark. ND = VOC not detected in this sample. U = Under detection limit.

TABLE 7 (Page 2 of 8)
SEASONAL TRENDS IN DETECTED VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
5 July to 27 September, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15.

VOC Detected in One or More Valid Samples *	Valid Sample Dates **														
	Thurs 7/5	Wed 7/11	Tues 7/17	Mon 7/23	**Sun 7/29**	**Sat 8/4**	Fri 8/10	Thurs 8/16	Wed 8/22	Tues 8/28	Mon 9/3	**Sun 9/9**	**Sat 9/15**	Fri 9/21	Thurs 9/27
Chloroethane	ND	0.08 0.09	0.08	0.07	0.10	0.07 0.08	0.10	0.08	0.08	0.09	0.09	0.06	0.06	0.06	0.05
Acetonitrile	ND	0.27 0.27	0.27	0.28	0.35	0.36 0.39	0.37	0.54	0.34	0.54	0.45	0.33	0.24	0.37	0.55
Acrolein	**0.20**	**1.42 1.59**	**0.25**	**1.45**	**1.51**	**1.89 1.84**	**1.55**	**1.51**	**1.31**	**2.13**	**1.72**	**0.18**	**1.62**	**2.48**	**0.74**
Trichlorofluoromethane (Freon 11)	0.36	1.58 1.51	1.31	1.57	1.63	1.42 1.51	1.24	1.48	1.42	1.54	1.64	1.64	1.33	1.25	1.60
Acrylonitrile	ND	ND ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichloromethane (Methylene Chloride)	0.03U	0.26 0.24	0.13	0.22	0.16	0.20 0.23	0.12	0.13	0.15	0.18	0.46	0.12	0.14	0.17	0.32
Carbon Disulfide	0.06U	0.11 0.12	0.10	0.12	0.09	0.08 0.07	0.11	ND	0.08	0.08	0.07	ND	0.07	0.04U	0.13

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TABLE 7 (Page 3 of 8)
SEASONAL TRENDS IN DETECTED VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
5 July to 27 September, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15.

VOC Detected in One or More Valid Samples *	Valid Sample Dates **														
	Thurs 7/5	Wed 7/11	Tues 7/17	Mon 7/23	**Sun 7/29**	**Sat 8/4**	Fri 8/10	Thurs 8/16	Wed 8/22	Tues 8/28	Mon 9/3	**Sun 9/9**	**Sat 9/15**	Fri 9/21	Thurs 9/27
Trichlorotrifluoroethane	0.18	0.72 0.75	0.75	0.75	0.75	0.63 0.68	0.53	0.81	0.66	0.68	0.84	0.91	0.64	0.79	0.71
Trans-1,2-Dichloroethylene	ND	ND ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-Butyl Ether	ND	ND ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Ethyl Ketone	0.69	3.52 6.06	0.98	5.23	2.63	5.91 4.17	5.56	1.94	3.01	8.07	3.07	0.64	6.03	3.34	1.92
Chloroprene	ND	ND ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethylene	ND	ND ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ND	ND ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

* VOCs shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark in one or more samples.

** Sample dates on weekends and holidays are shown in **Bold Face**. Sample concentrations are in micrograms per cubic meter. Sample dates with two concentrations indicate duplicate samples. Sample concentrations shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark. ND = VOC not detected in sample. U = Under detection limit.

TABLE 7 (Page 4 of 8)
SEASONAL TRENDS IN DETECTED VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
5 July to 27 September, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15.

VOC Detected in One or More Valid Samples *	Valid Sample Dates **														
	Thurs 7/5	Wed 7/11	Tues 7/17	Mon 7/23	**Sun 7/29**	**Sat 8/4**	Fri 8/10	Thurs 8/16	Wed 8/22	Tues 8/28	Mon 9/3	**Sun 9/9**	**Sat 9/15**	Fri 9/21	Thurs 9/27
Chloroform	ND	ND ND	0.06U	**0.12**	0.08U	ND ND	0.06U	0.08	0.06U	**0.10**	ND	**0.11**	0.08U	ND	**0.19**
Ethyl tert-Butyl Ether	ND	ND ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	0.03U	0.11 0.12	0.06U	0.10	0.09	0.09U 0.09U	0.07U	0.07U	0.08U	0.08U	0.10	0.10	0.08U	0.09	0.09
Benzene	**0.17**	**0.41** **0.47**	**0.33**	**0.46**	**0.45**	**0.56** **0.51**	**0.43**	**0.40**	**0.45**	**0.43**	**0.58**	**0.31**	**0.34**	**0.45**	**0.52**
Carbon Tetrachloride	**0.21**	**0.82** **0.84**	**0.57**	**0.91**	**0.88**	**0.66** **0.71**	**0.76**	**0.57**	**0.63**	**0.64**	**0.67**	**0.69**	**0.65**	**0.50**	**0.76**
tert-Amyl Methyl Ether	ND	0.02U ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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TABLE 7 (Page 5 of 8)
SEASONAL TRENDS IN DETECTED VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
5 July to 27 September, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15.

VOC Detected in One or More Valid Samples *	Valid Sample Dates **														
	Thurs 7/5	Wed 7/11	Tues 7/17	Mon 7/23	**Sun 7/29**	**Sat 8/4**	Fri 8/10	Thurs 8/16	Wed 8/22	Tues 8/28	Mon 9/3	**Sun 9/9**	**Sat 9/15**	Fri 9/21	Thurs 9/27
Ethyl Acrylate	ND	ND ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	ND	0.10 0.06U	ND	0.07U	ND	ND ND	ND	ND	ND	0.08U	ND	ND	ND	ND	ND
Methyl Methacrylate	ND	ND ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl Isobutyl Ketone	0.10	0.33 0.48	0.12	0.46	0.21	0.45 0.38	0.60	0.10	0.21	0.44	0.24	ND	0.59	0.24	0.13
trans-1,3-Dichloropropene	ND	ND ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

* VOCs shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark in one or more samples.

** Sample dates on weekends and holidays are shown in **Bold Face**. Sample concentrations are in micrograms per cubic meter. Sample dates with two concentrations indicate duplicate samples. Sample concentrations shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark. ND = VOC not detected in sample. U = Under detection limit.

TABLE 7 (Page 6 of 8)
SEASONAL TRENDS IN DETECTED VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
5 July to 27 September, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15.

VOC Detected in One or More Valid Samples *	Valid Sample Dates **														
	Thurs 7/5	Wed 7/11	Tues 7/17	Mon 7/23	**Sun 7/29**	**Sat 8/4**	Fri 8/10	Thurs 8/16	Wed 8/22	Tues 8/28	Mon 9/3	**Sun 9/9**	**Sat 9/15**	Fri 9/21	Thurs 9/27
Toluene	0.20	0.88 0.94	0.27	0.48	0.48	0.63 0.65	0.57	0.40	0.31	0.49	1.08	0.32	0.71	0.71	21.90
Dibromochloromethane	ND	ND ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane	ND	ND ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Octane	0.05	0.06 0.07	0.03	0.04	0.07	0.06 0.05	0.08	0.07	0.05	0.05	ND	ND	0.07	0.08	0.31
Tetrachloroethylene	ND	0.07 0.07U	0.03U	0.05U	0.04U	0.04U 0.05U	ND	0.03U	ND	ND	ND	ND	0.03U	0.06U	0.10
Chlorobenzene	ND	ND ND	ND	ND	ND	ND ND	ND	ND	0.02U	0.01U	ND	ND	ND	ND	ND
Ethylbenzene	0.06	0.14 0.15	0.04U	0.07	0.08	0.12 0.12	0.10	0.07	0.05U	0.09	0.18	0.06	0.08	0.07	0.84
m,p-Xylene	0.03U	0.36 0.41	0.08U	0.13	0.18	0.19 0.18	0.21	0.12	0.02U	0.17	0.34	0.11	0.19	0.17	2.90

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TABLE 7 (Page 7 of 8)
SEASONAL TRENDS IN DETECTED VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
5 July to 27 September, 2007

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VOC Detected in One or More Valid Samples *	Valid Sample Dates **														
	Thurs 7/5	Wed 7/11	Tues 7/17	Mon 7/23	**Sun 7/29**	**Sat 8/4**	Fri 8/10	Thurs 8/16	Wed 8/22	Tues 8/28	Mon 9/3	**Sun 9/9**	**Sat 9/15**	Fri 9/21	Thurs 9/27
Bromoform	ND	ND ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	0.08	0.09 0.09	0.03U	0.05U	0.05U	0.09 0.05U	0.08	ND	0.04U	0.07	ND	ND	0.08	0.02U	0.07
1,1,2,2-Tetrachloroethane	ND	ND ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	0.06	0.16 0.19	0.04U	0.07	0.09	0.09 0.10	0.09	0.07	0.04U	0.08	0.15	0.05	0.08	0.07	0.74
1,3,5-Trimethylbenzene	0.04U	0.06 0.07	0.01U	0.02U	0.03U	0.09 0.08	0.03U	0.02U	0.02U	0.02U	0.04U	0.02U	0.03U	0.01U	0.04U
1,2,4-Trimethylbenzene	0.07	0.15 0.19	0.04U	0.05	0.12	0.19 0.17	0.11	0.06	0.04U	0.09	0.11	0.07	0.11	0.03U	0.12
m-Dichlorobenzene	ND	ND ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethylbenzene	ND	ND ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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TABLE 7 (Page 8 of 8)
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5 July to 27 September, 2007

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VOC Detected in One or More Valid Samples *	Valid Sample Dates **														
	Thurs 7/5	Wed 7/11	Tues 7/17	Mon 7/23	**Sun 7/29**	**Sat 8/4**	Fri 8/10	Thurs 8/16	Wed 8/22	Tues 8/28	Mon 9/3	**Sun 9/9**	**Sat 9/15**	Fri 9/21	Thurs 9/27
p-Dichlorobenzene	ND	0.04U 0.05U	ND	0.02U	ND	ND 0.02U	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Dichlorobenzene	ND	ND ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloro-1,3-Butadiene	ND	ND ND	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

* VOCs shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark in one or more samples.

** Sample dates on weekends and holidays are shown in **Bold Face**. Sample concentrations are in micrograms per cubic meter. Sample dates with two concentrations indicate duplicate samples. Sample concentrations shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark. ND = VOC not detected in sample. U = Under detection limit.

TABLE 8 (Page 1 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
Summer Season – July, August, September, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15
Method Detection Limits (MDLs) and VOC concentrations (mean, range, standard deviation, and coefficient of variation) are in $\mu g/m^3$
VOC concentrations that were undetected (flagged ND or U) were set equal to ½ their MDL, then included in calculation of statistics
Total number (n) of valid samples during season = 17
* = statistics not calculated

VOC (boldface indicates VOC exceeded an EPA benchmark, ODEQ MAAC, or ATSDR MRL in one or more samples)	MDL reported by ERG	Number of samples in which VOC was detected	Arithmetic mean concentration of VOC	Concentration range of VOC (minimum to maximum)	Standard deviation (S or σ_{n-1})	Coefficient of variation (CV)	Number of times VOC concentration exceeded EPA benchmark	Number of times VOC concentration exceeded ODEQ MAAC	Number of times VOC concentration exceeded ATSDR MRL
Acetylene	0.029	17	0.366	0.14 – 0.92	0.212	0.579	0	0	0
Propylene	0.067	17	0.429	0.14 – 0.94	0.220	0.513	0	0	0
Dichlorodifluoromethane (Freon 12)	0.089	17	2.564	0.73 – 3.02	0.514	0.201	0	0	0
Chloromethane	0.056	17	1.218	0.39 – 1.53	0.250	0.205	14	0	0
Dichlorotetrafluoroethane (Freon 114)	0.147	2	0.083	0.02U – 0.16	0.027	0.327	0	0	0
Vinyl Chloride	0.061	0	*	ND – 0.02U	*	*	0	0	0
1,3-Butadiene	0.040	0	*	ND – 0.03U	*	*	0	0	0
Bromomethane	0.097	0	*	ND – 0.08U	*	*	0	0	0

TABLE 8 (Page 2 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
Summer Season – July, August, September, 2007

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VOC (boldface indicates VOC exceeded an EPA benchmark, ODEQ MAAC, or ATSDR MRL in one or more samples)	MDL reported by ERG	Number of samples in which VOC was detected	Arithmetic mean concentration of VOC	Concentration range of VOC (minimum to maximum)	Standard deviation (S or σ_{n-1})	Coefficient of variation (CV)	Number of times VOC concentration exceeded EPA benchmark	Number of times VOC concentration exceeded ODEQ MAAC	Number of times VOC concentration exceeded ATSDR MRL
Chloroethane	0.050	16	0.074	ND – 0.10	0.019	0.259	0	0	0
Acetonitrile	0.054	16	0.350	ND – 0.55	0.129	0.368	0	0	0
Acrolein	0.057	17	1.376	0.18 – 2.48	0.664	0.483	17	2	17
Trichlorofluoromethane (Freon 11)	0.124	17	1.414	0.36 – 1.64	0.302	0.214	0	0	0
Acrylonitrile	0.052	0	*	ND	*	*	0	0	0
1,1-Dichloroethene	0.087	0	*	ND	*	*	0	0	0
Dichloromethane (Methylene Chloride)	0.052	16	0.192	0.03U – 0.46	0.097	0.503	0	0	0
Carbon Disulfide	0.065	13	0.08	ND – 0.13	0.033	0.411	0	0	0

TABLE 8 (Page 3 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
Summer Season – July, August, September, 2007

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VOC (boldface indicates VOC exceeded an EPA benchmark, ODEQ MAAC, or ATSDR MRL in one or more samples)	MDL reported by ERG	Number of samples in which VOC was detected	Arithmetic mean concentration of VOC	Concentration range of VOC (minimum to maximum)	Standard deviation (S or σ_{n-1})	Coefficient of variation (CV)	Number of times VOC concentration exceeded EPA benchmark	Number of times VOC concentration exceeded ODEQ MAAC	Number of times VOC concentration exceeded ATSDR MRL
Trichlorotrifluoroethane	0.161	17	0.693	0.18 – 0.91	0.159	0.229	0	0	0
Trans-1,2-Dichloroethylene	0.063	0	*	ND	*	*	0	0	0
1,1-Dichloroethane	0.065	0	*	ND	*	*	0	0	0
Methyl tert-Butyl Ether	0.032	0	*	ND	*	*	0	0	0
Methyl Ethyl Ketone	0.121	17	3.692	0.64 – 8.07	2.169	0.587	0	0	0
Chloroprene	0.047	0	*	ND	*	*	0	0	0
cis-1,2-Dichloroethylene	0.067	0	*	ND	*	*	0	0	0
Bromochloromethane	0.095	0	*	ND	*	*	0	0	0

TABLE 8 (Page 4 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
Summer Season – July, August, September, 2007

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Total number (n) of valid samples during season = 17
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VOC (boldface indicates VOC exceeded an EPA benchmark, ODEQ MAAC, or ATSDR MRL in one or more samples)	MDL reported by ERG	Number of samples in which VOC was detected	Arithmetic mean concentration of VOC	Concentration range of VOC (minimum to maximum)	Standard deviation (S or σ_{n-1})	Coefficient of variation (CV)	Number of times VOC concentration exceeded EPA benchmark	Number of times VOC concentration exceeded ODEQ MAAC	Number of times VOC concentration exceeded ATSDR MRL
Chloroform	0.083	5	0.065	ND – 0.19	0.042	0.652	4	0	0
Ethyl tert-Butyl Ether	0.033	0	*	ND	*	*	0	0	0
1,2-Dichloroethane	0.085	0	*	ND	*	*	0	0	0
1,1,1-Trichloroethane	0.087	8	0.070	0.03U – 0.12	0.030	0.427	0	0	0
Benzene	0.077	17	0.428	0.17 – 0.58	0.100	0.233	17	0	0
Carbon Tetrachloride	0.094	17	0.675	0.21 – 0.91	0.165	0.244	17	0	0
tert-Amyl Methyl Ether	0.046	0	*	ND – 0.02U	*	*	0	0	0
1,2-Dichloropropane	0.088	0	*	ND	*	*	0	0	0

TABLE 8 (Page 5 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
Summer Season – July, August, September, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15
Method Detection Limits (MDLs) and VOC concentrations (mean, range, standard deviation, and coefficient of variation) are in $\mu g/m^3$
VOC concentrations that were undetected (flagged ND or U) were set equal to ½ their MDL, then included in calculation of statistics
Total number (n) of valid samples during season = 17
* = statistics not calculated

VOC (boldface indicates VOC exceeded an EPA benchmark, ODEQ MAAC, or ATSDR MRL in one or more samples)	MDL reported by ERG	Number of samples in which VOC was detected	Arithmetic mean concentration of VOC	Concentration range of VOC (minimum to maximum)	Standard deviation (S or σ_{n-1})	Coefficient of variation (CV)	Number of times VOC concentration exceeded EPA benchmark	Number of times VOC concentration exceeded ODEQ MAAC	Number of times VOC concentration exceeded ATSDR MRL
Ethyl Acrylate	0.061	0	*	ND	*	*	0	0	0
Bromodichloromethane	0.121	0	*	ND	*	*	0	0	0
Trichloroethylene (TCE)	0.097	1	0.052	ND – 0.10	0.012	0.240	0	0	0
Methyl Methacrylate	0.057	0	*	ND	*	*	0	0	0
cis-1,3-Dichloropropene	0.068	0	*	ND	*	*	0	0	0
Methyl Isobutyl Ketone	0.066	16	0.301	ND – 0.60	0.180	0.597	0	0	0
trans-1,3-Dichloropropene	0.068	0	*	ND	*	*	0	0	0
1,1,2-Trichloroethane	0.093	0	*	ND	*	*	0	0	0

TABLE 8 (Page 6 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
Summer Season – July, August, September, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15
Method Detection Limits (MDLs) and VOC concentrations (mean, range, standard deviation, and coefficient of variation) are in $\mu g/m^3$
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Total number (n) of valid samples during season = 17
* = statistics not calculated

VOC (boldface indicates VOC exceeded an EPA benchmark, ODEQ MAAC, or ATSDR MRL in one or more samples)	MDL reported by ERG	Number of samples in which VOC was detected	Arithmetic mean concentration of VOC	Concentration range of VOC (minimum to maximum)	Standard deviation (S or σ_{n-1})	Coefficient of variation (CV) Boldface if > 1	Number of times VOC concentration exceeded EPA benchmark	Number of times VOC concentration exceeded ODEQ MAAC	Number of times VOC concentration exceeded ATSDR MRL
Toluene	0.064	17	1.825	0.20 – 21.90	5.179	**2.838**	0	0	0
Dibromochloromethane	0.119	0	*	ND	*	*	0	0	0
1,2-Dibromoethane	0.100	0	*	ND	*	*	0	0	0
n-Octane	0.033	15	0.069	ND – 0.31	0.065	0.943	0	0	0
Tetrachloroethylene	0.075	2	0.043	ND – 0.10	0.017	0.387	0	0	0
Chlorobenzene	0.060	0	*	ND – 0.02U	*	*	0	0	0
Ethylbenzene	0.052	15	0.134	0.04U – 0.84	0.187	**1.392**	0	0	0
m,p-Xylene	0.091	14	0.341	0.02U – 2.90	0.668	**1.958**	0	0	0

TABLE 8 (Page 7 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
Summer Season – July, August, September, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15
Method Detection Limits (MDLs) and VOC concentrations (mean, range, standard deviation, and coefficient of variation) are in $\mu g/m^3$
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Total number (n) of valid samples during season = 17
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VOC (boldface indicates VOC exceeded an EPA benchmark, ODEQ MAAC, or ATSDR MRL in one or more samples)	MDL reported by ERG	Number of samples in which VOC was detected	Arithmetic mean concentration of VOC	Concentration range of VOC (minimum to maximum)	Standard deviation (S or σ_{n-1})	Coefficient of variation (CV) Boldface if > 1	Number of times VOC concentration exceeded EPA benchmark	Number of times VOC concentration exceeded ODEQ MAAC	Number of times VOC concentration exceeded ATSDR MRL
Bromoform	0.145	0	*	ND	*	*	0	0	0
Styrene	0.051	8	0.052	ND – 0.09	0.029	0.562	0	0	0
1,1,2,2-Tetrachloroethane	0.110	0	*	ND	*	*	0	0	0
o-Xylene	0.052	15	0.126	0.04U – 0.74	0.164	**1.303**	0	0	0
1,3,5-Trimethylbenzene	0.049	4	0.036	0.01U – 0.09	0.023	0.633	0	0	0
1,2,4-Trimethylbenzene	0.049	14	0.099	0.03U – 0.19	0.055	0.552	0	0	0
m-Dichlorobenzene	0.090	0	*	ND	*	*	0	0	0
Chloromethylbenzene	0.057	0	*	ND	*	*	0	0	0

TABLE 8 (Page 8 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
Summer Season – July, August, September, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15
Method Detection Limits (MDLs) and VOC concentrations (mean, range, standard deviation, and coefficient of variation) are in $\mu g/m^3$
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VOC (boldface indicates VOC exceeded an EPA benchmark, ODEQ MAAC, or ATSDR MRL in one or more samples)	MDL reported by ERG	Number of samples in which VOC was detected	Arithmetic mean concentration of VOC	Concentration range of VOC (minimum to maximum)	Standard deviation (S or σ_{n-1})	Coefficient of variation (CV)	Number of times VOC concentration exceeded EPA benchmark	Number of times VOC concentration exceeded ODEQ MAAC	Number of times VOC concentration exceeded ATSDR MRL
p-Dichlorobenzene	0.090	0	*	ND – 0.05U	*	*	0	0	0
o-Dichlorobenzene	0.096	0	*	ND	*	*	0	0	0
1,2,4-Trichlorobenzene	0.297	0	*	ND	*	*	0	0	0
Hexachloro-1,3-Butadiene	0.384	0	*	ND	*	*	0	0	0

TABLE 9 (Page 1 of 8)
SEASONAL TRENDS IN DETECTED VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
15 October to 26 December, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15.

VOC Detected in One or More Valid Samples *	Valid Sample Dates **														
	Wed 10/3	Tues 10/9	Mon 10/15	**Sun 10/21**	**Sat 10/27**	Fri 11/2	Thurs 11/8	Wed 11/14	Tues 11/20	Mon 11/26	**Sun 12/2**	**Sat 12/8**	Fri 12/14	Thurs 12/20	Wed 12/26
Acetylene			0.30	0.26	0.73	1.64	0.61	1.25	0.23	1.75	0.67	1.60	0.56	0.93	
Propylene			0.37	0.21	0.26	0.86	0.19	0.43	0.27	0.57	0.39	1.05	0.45	0.35	
Dichlorodifluoromethane (Freon 12)			2.83	2.53	2.19	2.17	2.07	2.68	3.66	3.09	3.08	2.47	2.52	2.52	
Chloromethane			**1.19**	1.06	0.54	**1.23**	0.84	**1.33**	**1.91**	**1.33**	**1.76**	**1.13**	**1.23**	**1.23**	
Dichlorotetrafluoroethane (Freon 114)			0.13U	0.12U	0.09U	0.08U	ND	0.09U	0.15	0.15	0.13U	0.08U	0.11U	0.11U	
Vinyl Chloride			ND	ND	ND	0.03U	ND	0.02U	ND	0.01U	ND	ND	ND	ND	
1,3-Butadiene			ND	ND	0.02U	ND	ND	ND	ND	**0.04**	0.02U	**0.10**	0.03U	0.03U	
Bromomethane			0.04U	0.05U	0.02U	ND	0.07U	ND	0.06U	0.05U	0.05U	0.05U	0.05U	0.05U	

* VOCs shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark in one or more samples.

** Sample dates on weekends and holidays are shown in **Bold Face**. Sample concentrations are in micrograms per cubic meter. Sample dates with two concentrations indicate duplicate samples. Sample concentrations shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark. ND = VOC not detected in this sample. U = Under detection limit.

Sample of October 3rd was invalid because it was collected over a period of 33.06 hours, from October 3rd through October 4th. Duplicate samples could not be run on October 9th because no canisters were available. Duplicate samples of December 26th were invalid because their final canister pressures were zero.

TABLE 9 (Page 2 of 8)
SEASONAL TRENDS IN DETECTED VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
15 October to 26 December, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15.

VOC Detected in One or More Valid Samples *	Valid Sample Dates **														
	Wed 10/3	Tues 10/9	Mon 10/15	**Sun 10/21**	**Sat 10/27**	Fri 11/2	Thurs 11/8	Wed 11/14	Tues 11/20	Mon 11/26	**Sun 12/2**	**Sat 12/8**	Fri 12/14	Thurs 12/20	Wed 12/26
Chloroethane			0.04U	0.06	0.03U	ND	ND	ND	0.08	0.04U	0.05	ND	0.03U	0.04U	
Acetonitrile			0.26	0.24	ND	0.15	ND	ND	0.38	0.16	0.26	0.21	0.11	ND	
Acrolein			**1.77**	**1.74**	**0.85**	**1.22**	**1.05**	**2.05**	**1.75**	**1.09**	**1.73**	**1.02**	**1.30**	**1.20**	
Trichlorofluoromethane (Freon 11)			1.44	1.29	ND	1.33	1.23	1.63	2.06	1.78	1.83	1.41	1.51	1.48	
Acrylonitrile			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1-Dichloroethene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Dichloromethane (Methylene Chloride)			0.22	0.16	0.15	0.22	0.22	0.17	0.22	0.23	0.26	0.23	0.22	0.25	
Carbon Disulfide			0.05U	ND	0.03U	ND	ND	ND	0.05U	0.05U	0.05U	0.09	0.04U	0.05U	

* VOCs shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark in one or more samples.

** Sample dates on weekends and holidays are shown in **Bold Face**. Sample concentrations are in micrograms per cubic meter. Sample dates with two concentrations indicate duplicate samples. Sample concentrations shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark. ND = VOC not detected in sample. U = Under detection limit.

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TABLE 9 (Page 3 of 8)
SEASONAL TRENDS IN DETECTED VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
15 October to 26 December, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15.

VOC Detected in One or More Valid Samples *	Valid Sample Dates **														
	Wed 10/3	Tues 10/9	Mon 10/15	**Sun 10/21**	**Sat 10/27**	Fri 11/2	Thurs 11/8	Wed 11/14	Tues 11/20	Mon 11/26	**Sun 12/2**	**Sat 12/8**	Fri 12/14	Thurs 12/20	Wed 12/26
Trichlorotrifluoroethane			0.88	0.81	0.61	1.01	0.81	1.04	0.99	0.87	1.24	0.69	0.75	0.74	
Trans-1,2-Dichloroethylene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1-Dichloroethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Methyl tert-Butyl Ether			ND	ND	ND	ND	ND	ND	0.02U	ND	ND	ND	ND	ND	
Methyl Ethyl Ketone			4.85	2.56	ND	4.26	1.74	4.46	2.07	2.86	2.72	2.69	2.96	1.88	
Chloroprene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
cis-1,2-Dichloroethylene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bromochloromethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

* VOCs shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark in one or more samples.

** Sample dates on weekends and holidays are shown in **Bold Face**. Sample concentrations are in micrograms per cubic meter. Sample dates with two concentrations indicate duplicate samples. Sample concentrations shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark. ND = VOC not detected in sample. U = Under detection limit.

Sample of October 3rd was invalid because it was collected over a period of 33.06 hours, from October 3rd through October 4th. Duplicate samples could not be run on October 9th because no canisters were available. Duplicate samples of December 26th were invalid because their final canister pressures were zero.

TABLE 9 (Page 4 of 8)
SEASONAL TRENDS IN DETECTED VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
15 October to 26 December, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15.

VOC Detected in One or More Valid Samples *	Valid Sample Dates **														
	Wed 10/3	Tues 10/9	Mon 10/15	**Sun 10/21**	**Sat 10/27**	Fri 11/2	Thurs 11/8	Wed 11/14	Tues 11/20	Mon 11/26	**Sun 12/2**	**Sat 12/8**	Fri 12/14	Thurs 12/20	Wed 12/26
Chloroform			**0.09**	0.08	**0.09**	ND	**0.10**	ND	**0.11**	**0.10**	**0.10**	**0.09**	0.07U	**0.10**	
Ethyl tert-Butyl Ether			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dichloroethane			ND	0.06U	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1,1-Trichloroethane			0.11	0.10	0.09	0.12	0.15	0.17	0.11	0.09	0.13	0.07U	0.08U	0.07U	
Benzene			**0.39**	**0.38**	**0.41**	**0.68**	**0.56**	**0.39**	**0.62**	**0.65**	**0.67**	**0.77**	**0.54**	**0.86**	
Carbon Tetrachloride			**0.64**	**0.65**	**0.54**	**0.64**	**0.65**	**0.79**	**1.00**	**0.83**	**0.78**	**0.68**	**0.77**	**0.77**	
tert-Amyl Methyl Ether			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dichloropropane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

* VOCs shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark in one or more samples.

** Sample dates on weekends and holidays are shown in **Bold Face**. Sample concentrations are in micrograms per cubic meter. Sample dates with two concentrations indicate duplicate samples. Sample concentrations shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark. ND = VOC not detected in sample. U = Under detection limit.

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TABLE 9 (Page 5 of 8)
SEASONAL TRENDS IN DETECTED VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
15 October to 26 December, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15.

VOC Detected in One or More Valid Samples *	Valid Sample Dates **														
	Wed 10/3	Tues 10/9	Mon 10/15	**Sun 10/21**	**Sat 10/27**	Fri 11/2	Thurs 11/8	Wed 11/14	Tues 11/20	Mon 11/26	**Sun 12/2**	**Sat 12/8**	Fri 12/14	Thurs 12/20	Wed 12/26
Ethyl Acrylate			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Bromodichloromethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Trichloroethylene (TCE)			ND	ND	ND	ND	ND	ND	ND	0.04U	0.07U	ND	ND	ND	
Methyl Methacrylate			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
cis-1,3-Dichloropropene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Methyl Isobutyl Ketone			0.37	0.14	0.15	0.35	ND	0.37	0.12	0.20	0.21	0.24	0.18	0.16	
trans-1,3-Dichloropropene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1,2-Trichloroethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

* VOCs shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark in one or more samples.

** Sample dates on weekends and holidays are shown in **Bold Face**. Sample concentrations are in micrograms per cubic meter. Sample dates with two concentrations indicate duplicate samples. Sample concentrations shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark. ND = VOC not detected in sample. U = Under detection limit.

Sample of October 3rd was invalid because it was collected over a period of 33.06 hours, from October 3rd through October 4th. Duplicate samples could not be run on October 9th because no canisters were available. Duplicate samples of December 26th were invalid because their final canister pressures were zero.

TABLE 9 (Page 6 of 8)
SEASONAL TRENDS IN DETECTED VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
15 October to 26 December, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15.

VOC Detected in One or More Valid Samples *	Valid Sample Dates **														
	Wed 10/3	Tues 10/9	Mon 10/15	**Sun 10/21**	**Sat 10/27**	Fri 11/2	Thurs 11/8	Wed 11/14	Tues 11/20	Mon 11/26	**Sun 12/2**	**Sat 12/8**	Fri 12/14	Thurs 12/20	Wed 12/26
Toluene			0.65	0.35	0.59	0.99	0.48	0.36	0.27	0.59	0.63	0.51	0.35	0.70	
Dibromochloromethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dibromoethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
n-Octane			0.07	0.04	ND	ND	ND	0.15	0.05	0.09	0.08	ND	0.05	0.07	
Tetrachloroethylene			0.05U	ND	ND	ND	ND	0.10	0.05U	0.06U	0.05U	0.08	ND	0.08	
Chlorobenzene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Ethylbenzene			0.08	0.04U	0.12	0.17	0.08	0.04U	0.04U	0.15	0.09	0.09	0.06	0.12	
m,p-Xylene			0.18	0.07U	0.31	0.46	0.14	0.12	0.07U	0.34	0.17	0.16	0.10	0.24	

* VOCs shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark in one or more samples.

** Sample dates on weekends and holidays are shown in **Bold Face**. Sample concentrations are in micrograms per cubic meter. Sample dates with two concentrations indicate duplicate samples. Sample concentrations shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark. ND = VOC not detected in sample. U = Under detection limit.

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TABLE 9 (Page 7 of 8)
SEASONAL TRENDS IN DETECTED VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
15 October to 26 December, 2007

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VOC Detected in One or More Valid Samples *	Valid Sample Dates **														
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Bromoform			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Styrene			0.12	ND	0.05U	0.11	ND	ND	0.02U	0.05U	ND	0.06	0.03U	0.06	
1,1,2,2-Tetrachloroethane			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
o-Xylene			0.08	0.03U	0.13	0.21	0.08	0.05	0.04U	0.14	0.08	0.08	0.04U	0.10	
1,3,5-Trimethylbenzene			0.02U	ND	0.02U	0.05	0.03U	ND	0.01U	0.04U	0.02U	0.02U	0.02U	0.02U	
1,2,4-Trimethylbenzene			0.07	0.02U	0.06	0.21	0.06	ND	0.03U	0.09	0.07	0.07	0.03U	0.06	
m-Dichlorobenzene			ND	ND	ND	ND	ND	ND	ND	0.02U	ND	ND	ND	ND	
Chloromethylbenzene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

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** Sample dates on weekends and holidays are shown in **Bold Face**. Sample concentrations are in micrograms per cubic meter. Sample dates with two concentrations indicate duplicate samples. Sample concentrations shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark. ND = VOC not detected in sample. U = Under detection limit.

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TABLE 9 (Page 8 of 8)
SEASONAL TRENDS IN DETECTED VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
15 October to 26 December, 2007

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VOC Detected in One or More Valid Samples *	Valid Sample Dates **														
	Wed 10/3	Tues 10/9	Mon 10/15	**Sun 10/21**	**Sat 10/27**	Fri 11/2	Thurs 11/8	Wed 11/14	Tues 11/20	Mon 11/26	**Sun 12/2**	**Sat 12/8**	Fri 12/14	Thurs 12/20	Wed 12/26
p-Dichlorobenzene			ND	ND	ND	ND	ND	ND	ND	0.04U	0.02U	ND	ND	ND	
o-Dichlorobenzene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2,4-Trichlorobenzene			ND	ND	ND	ND	ND	ND	ND	ND	0.03U	ND	ND	ND	
Hexachloro-1,3-Butadiene			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	

* VOCs shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark in one or more samples.

** Sample dates on weekends and holidays are shown in **Bold Face**. Sample concentrations are in micrograms per cubic meter. Sample dates with two concentrations indicate duplicate samples. Sample concentrations shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark. ND = VOC not detected in sample. U = Under detection limit.

Sample of October 3rd was invalid because it was collected over a period of 33.06 hours, from October 3rd through October 4th. Duplicate samples could not be run on October 9th because no canisters were available. Duplicate samples of December 26th were invalid because their final canister pressures were zero.

TABLE 10 (Page 1 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
Autumn Season – October, November, December, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15
Method Detection Limits (MDLs) and VOC concentrations (mean, range, standard deviation, and coefficient of variation) are in $\mu g/m^3$
VOC concentrations that were undetected (flagged ND or U) were set equal to ½ their MDL, then included in calculation of statistics
Total number (n) of valid samples during season = 12
* = statistics not calculated

VOC (boldface indicates VOC exceeded an EPA benchmark, ODEQ MAAC, or ATSDR MRL in one or more samples)	MDL reported by ERG	Number of samples in which VOC was detected	Arithmetic mean concentration of VOC	Concentration range of VOC (minimum to maximum)	Sample standard deviation (S or σ_{n-1})	Coefficient of variation (CV)	Number of times VOC concentration exceeded EPA benchmark	Number of times VOC concentration exceeded ODEQ MAAC	Number of times VOC concentration exceeded ATSDR MRL
Acetylene	0.029	12	0.878	0.23 – 1.75	0.554	0.631	0	0	0
Propylene	0.067	12	0.45	0.19 – 1.05	0.262	0.583	0	0	0
Dichlorodifluoromethane (Freon 12)	0.089	12	2.651	2.07 – 3.66	0.456	0.172	0	0	0
Chloromethane	0.056	12	1.232	0.54 – 1.91	0.361	0.293	**9**	0	0
Dichlorotetrafluoroethane (Freon 114)	0.147	2	0.086	ND – 0.15	0.030	0.346	0	0	0
Vinyl Chloride	0.061	0	*	ND – 0.03U	*	*	0	0	0
1,3-Butadiene	0.040	2	0.028	ND – 0.10	0.023	0.832	**2**	0	0
Bromomethane	0.097	0	*	ND – 0.07U	*	*	0	0	0

TABLE 10 (Page 2 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
Autumn Season – October, November, December, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15
Method Detection Limits (MDLs) and VOC concentrations (mean, range, standard deviation, and coefficient of variation) are in $\mu g/m^3$
VOC concentrations that were undetected (flagged ND or U) were set equal to ½ their MDL, then included in calculation of statistics
Total number (n) of valid samples during season = 12
* = statistics not calculated

VOC (boldface indicates VOC exceeded an EPA benchmark, ODEQ MAAC, or ATSDR MRL in one or more samples)	MDL reported by ERG	Number of samples in which VOC was detected	Arithmetic mean concentration of VOC	Concentration range of VOC (minimum to maximum)	Standard deviation (S or σ_{n-1})	Coefficient of variation (CV)	Number of times VOC concentration exceeded EPA benchmark	Number of times VOC concentration exceeded ODEQ MAAC	Number of times VOC concentration exceeded ATSDR MRL
Chloroethane	0.050	3	0.035	ND – 0.08	0.019	0.529	0	0	0
Acetonitrile	0.054	8	0.157	ND – 0.38	0.117	0.745	0	0	0
Acrolein	0.057	12	1.398	0.85 – 2.05	0.388	0.277	**12**	**1**	**12**
Trichlorofluoromethane (Freon 11)	0.124	11	1.421	ND – 2.06	0.493	0.347	0	0	0
Acrylonitrile	0.052	0	*	ND	*	*	0	0	0
1,1-Dichloroethene	0.087	0	*	ND	*	*	0	0	0
Dichloromethane (Methylene Chloride)	0.052	12	0.213	0.15 – 0.26	0.034	0.162	0	0	0
Carbon Disulfide	0.065	1	0.037	ND – 0.09	0.017	0.449	0	0	0

TABLE 10 (Page 3 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
Autumn Season – October, November, December, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15
Method Detection Limits (MDLs) and VOC concentrations (mean, range, standard deviation, and coefficient of variation) are in $\mu g/m^3$
VOC concentrations that were undetected (flagged ND or U) were set equal to ½ their MDL, then included in calculation of statistics
Total number (n) of valid samples during season = 12
* = statistics not calculated

VOC (boldface indicates VOC exceeded an EPA benchmark, ODEQ MAAC, or ATSDR MRL in one or more samples)	MDL reported by ERG	Number of samples in which VOC was detected	Arithmetic mean concentration of VOC	Concentration range of VOC (minimum to maximum)	Standard deviation (S or σ_{n-1})	Coefficient of variation (CV)	Number of times VOC concentration exceeded EPA benchmark	Number of times VOC concentration exceeded ODEQ MAAC	Number of times VOC concentration exceeded ATSDR MRL
Trichlorotrifluoroethane	0.161	12	0.87	0.61 – 1.24	0.175	0.202	0	0	0
Trans-1,2-Dichloroethylene	0.063	0	*	ND	*	*	0	0	0
1,1-Dichloroethane	0.065	0	*	ND	*	*	0	0	0
Methyl tert-Butyl Ether	0.032	0	*	ND – 0.02U	*	*	0	0	0
Methyl Ethyl Ketone	0.121	11	2.759	ND – 4.85	1.321	0.479	0	0	0
Chloroprene	0.047	0	*	ND	*	*	0	0	0
cis-1,2-Dichloroethylene	0.067	0	*	ND	*	*	0	0	0
Bromochloromethane	0.095	0	*	ND	*	*	0	0	0

TABLE 10 (Page 4 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
Autumn Season – October, November, December, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15
Method Detection Limits (MDLs) and VOC concentrations (mean, range, standard deviation, and coefficient of variation) are in $\mu g/m^3$
VOC concentrations that were undetected (flagged ND or U) were set equal to ½ their MDL, then included in calculation of statistics
Total number (n) of valid samples during season = 12
* = statistics not calculated

VOC (boldface indicates VOC exceeded an EPA benchmark, ODEQ MAAC, or ATSDR MRL in one or more samples)	MDL reported by ERG	Number of samples in which VOC was detected	Arithmetic mean concentration of VOC	Concentration range of VOC (minimum to maximum)	Standard deviation (S or σ_{n-1})	Coefficient of variation (CV)	Number of times VOC concentration exceeded EPA benchmark	Number of times VOC concentration exceeded ODEQ MAAC	Number of times VOC concentration exceeded ATSDR MRL
Chloroform	0.083	9	0.082	ND – 0.11	0.026	0.312	**8**	0	0
Ethyl tert-Butyl Ether	0.033	0	*	ND	*	*	0	0	0
1,2-Dichloroethane	0.085	0	*	ND – 0.06U	*	*	0	0	0
1,1,1-Trichloroethane	0.087	9	0.100	0.07U – 0.17	0.041	0.412	0	0	0
Benzene	0.077	12	0.577	0.38 – 0.86	0.160	0.278	**12**	0	0
Carbon Tetrachloride	0.094	12	0.728	0.54 – 1.00	0.121	0.166	**12**	0	0
tert-Amyl Methyl Ether	0.046	0	*	ND	*	*	0	0	0
1,2-Dichloropropane	0.088	0	*	ND	*	*	0	0	0

TABLE 10 (Page 5 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
Autumn Season – October, November, December, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15
Method Detection Limits (MDLs) and VOC concentrations (mean, range, standard deviation, and coefficient of variation) are in $\mu g/m^3$
VOC concentrations that were undetected (flagged ND or U) were set equal to ½ their MDL, then included in calculation of statistics
Total number (n) of valid samples during season = 12
* = statistics not calculated

VOC (boldface indicates VOC exceeded an EPA benchmark, ODEQ MAAC, or ATSDR MRL in one or more samples)	MDL reported by ERG	Number of samples in which VOC was detected	Arithmetic mean concentration of VOC	Concentration range of VOC (minimum to maximum)	Standard deviation (S or σ_{n-1})	Coefficient of variation (CV)	Number of times VOC concentration exceeded EPA benchmark	Number of times VOC concentration exceeded ODEQ MAAC	Number of times VOC concentration exceeded ATSDR MRL
Ethyl Acrylate	0.061	0	*	ND	*	*	0	0	0
Bromodichloromethane	0.121	0	*	ND	*	*	0	0	0
Trichloroethylene (TCE)	0.097	0	*	ND – 0.07U	*	*	0	0	0
Methyl Methacrylate	0.057	0	*	ND	*	*	0	0	0
cis-1,3-Dichloropropene	0.068	0	*	ND	*	*	0	0	0
Methyl Isobutyl Ketone	0.066	11	0.210	ND – 0.37	0.106	0.504	0	0	0
trans-1,3-Dichloropropene	0.068	0	*	ND	*	*	0	0	0
1,1,2-Trichloroethane	0.093	0	*	ND	*	*	0	0	0

TABLE 10 (Page 6 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
Autumn Season – October, November, December, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15
Method Detection Limits (MDLs) and VOC concentrations (mean, range, standard deviation, and coefficient of variation) are in $\mu g/m^3$
VOC concentrations that were undetected (flagged ND or U) were set equal to ½ their MDL, then included in calculation of statistics
Total number (n) of valid samples during season = 12
* = statistics not calculated

VOC (boldface indicates VOC exceeded an EPA benchmark, ODEQ MAAC, or ATSDR MRL in one or more samples)	MDL reported by ERG	Number of samples in which VOC was detected	Arithmetic mean concentration of VOC	Concentration range of VOC (minimum to maximum)	Standard deviation (S or σ_{n-1})	Coefficient of variation (CV)	Number of times VOC concentration exceeded EPA benchmark	Number of times VOC concentration exceeded ODEQ MAAC	Number of times VOC concentration exceeded ATSDR MRL
Toluene	0.064	12	0.539	0.27 – 0.99	0.199	0.369	0	0	0
Dibromochloromethane	0.119	0	*	ND	*	*	0	0	0
1,2-Dibromoethane	0.100	0	*	ND	*	*	0	0	0
n-Octane	0.033	8	0.056	ND – 0.15	0.040	0.713	0	0	0
Tetrachloroethylene	0.075	3	0.050	ND – 0.10	0.023	0.456	0	0	0
Chlorobenzene	0.060	0	*	ND	*	*	0	0	0
Ethylbenzene	0.052	9	0.087	0.04U – 0.17	0.048	0.548	0	0	0
m,p-Xylene	0.091	10	0.193	0.07U – 0.46	0.125	0.646	0	0	0

TABLE 10 (Page 7 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
Autumn Season – October, November, December, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15
Method Detection Limits (MDLs) and VOC concentrations (mean, range, standard deviation, and coefficient of variation) are in $\mu g/m^3$
VOC concentrations that were undetected (flagged ND or U) were set equal to ½ their MDL, then included in calculation of statistics
Total number (n) of valid samples during season = 12
* = statistics not calculated

VOC (boldface indicates VOC exceeded an EPA benchmark, ODEQ MAAC, or ATSDR MRL in one or more samples)	MDL reported by ERG	Number of samples in which VOC was detected	Arithmetic mean concentration of VOC	Concentration range of VOC (minimum to maximum)	Standard deviation (S or σ_{n-1})	Coefficient of variation (CV)	Number of times VOC concentration exceeded EPA benchmark	Number of times VOC concentration exceeded ODEQ MAAC	Number of times VOC concentration exceeded ATSDR MRL
Bromoform	0.145	0	*	ND	*	*	0	0	0
Styrene	0.051	4	0.046	ND – 0.12	0.035	0.757	0	0	0
1,1,2,2-Tetrachloroethane	0.110	0	*	ND	*	*	0	0	0
o-Xylene	0.052	9	0.086	0.03U – 0.21	0.054	0.634	0	0	0
1,3,5-Trimethylbenzene	0.049	1	0.027	ND – 0.05	0.007	0.273	0	0	0
1,2,4-Trimethylbenzene	0.049	8	0.066	ND – 0.21	0.051	0.769	0	0	0
m-Dichlorobenzene	0.090	0	*	ND – 0.02U	*	*	0	0	0
Chloromethylbenzene	0.057	0	*	ND	*	*	0	0	0

TABLE 10 (Page 8 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
Autumn Season – October, November, December, 2007

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15
Method Detection Limits (MDLs) and VOC concentrations (mean, range, standard deviation, and coefficient of variation) are in $\mu g/m^3$
VOC concentrations that were undetected (flagged ND or U) were set equal to ½ their MDL, then included in calculation of statistics
Total number (n) of valid samples during season = 12
* = statistics not calculated

VOC (boldface indicates VOC exceeded an EPA benchmark, ODEQ MAAC, or ATSDR MRL in one or more samples)	MDL reported by ERG	Number of samples in which VOC was detected	Arithmetic mean concentration of VOC	Concentration range of VOC (minimum to maximum)	Standard deviation (S or σ_{n-1})	Coefficient of variation (CV)	Number of times VOC concentration exceeded EPA benchmark	Number of times VOC concentration exceeded ODEQ MAAC	Number of times VOC concentration exceeded ATSDR MRL
p-Dichlorobenzene	0.090	0	*	ND – 0.04U	*	*	0	0	0
o-Dichlorobenzene	0.096	0	*	ND	*	*	0	0	0
1,2,4-Trichlorobenzene	0.297	0	*	ND – 0.03U	*	*	0	0	0
Hexachloro-1,3-Butadiene	0.384	0	*	ND	*	*	0	0	0

TABLE 11 (Page 1 of 8)
SEASONAL TRENDS IN DETECTED VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
1 January to 31 March, 2008

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15.

VOC Detected in One or More Valid Samples *	Valid Sample Dates **														
	Tues 1/1	Mon 1/7	**Sun 1/13**	**Sat 1/19**	Fri 1/25	Thurs 1/31	Wed 2/6	Tues 2/12	Mon 2/18	**Sun 2/24**	**Sat 3/1**	Fri 3/7	Thurs 3/13	Tues 3/25	Mon 3/31
Acetylene	0.48	0.31	1.16	0.52 0.51	0.63	1.17	0.70	1.32	0.56		0.55 0.53	1.11	1.05 0.57	0.28	0.21
Propylene	0.22	0.19	0.63	0.36 0.20	0.22	0.40	0.5	0.27	0.50		0.33 0.33	0.22	1.93 0.97	0.29	0.18
Dichlorodifluoromethane (Freon 12)	2.80	2.93	2.71	2.70 2.95	2.05	2.24	2.11	2.47	2.40		2.34 2.53	3.15	2.31 2.35	2.72	2.72
Chloromethane	1.29	1.60	1.20	1.25 1.33	0.91	1.34	1.11	1.00	1.33		0.91 0.98	1.27	1.24 1.22	1.24	1.33
Dichlorotetrafluoroethane (Freon 114)	0.13	0.13	0.13	0.13 0.15	0.09	0.11	0.09	0.13	0.11		0.11 0.11	0.13	0.11 0.09	0.11	0.11
Vinyl Chloride	ND	ND	0.02	ND ND	ND	0.01	0.01U	0.01	0.01U		ND ND	ND	0.01 0.01U	ND	ND
1,3-Butadiene	0.02	ND	0.03	0.02 0.02	0.03	0.04	0.02	0.03	0.02		0.04 0.05	ND	**0.21** 0.06	0.01	ND
Bromomethane	0.04	0.06	0.04	0.04 0.06	0.04	0.04	0.04	0.05	0.04		0.04 0.04	ND	0.05 0.04	0.05	0.04

* VOCs shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark in one or more samples.

** Sample dates on weekends and holidays are shown in **Bold Face**. Sample concentrations are in micrograms per cubic meter. Sample dates with two concentrations indicate duplicate samples. Sample concentrations shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark. ND = VOC not detected in sample.

Duplicate samples of February 24th were invalid because their final canister pressures were +22 in. Hg. The sample scheduled for March 19th was not collected.

TABLE 11 (Page 2 of 8)
SEASONAL TRENDS IN DETECTED VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
1 January to 31 March, 2008

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15.

VOC Detected in One or More Valid Samples *	Valid Sample Dates **														
	Tues 1/1	Mon 1/7	**Sun 1/13**	**Sat 1/19**	Fri 1/25	Thurs 1/31	Wed 2/6	Tues 2/12	Mon 2/18	**Sun 2/24**	**Sat 3/1**	Fri 3/7	Thurs 3/13	Tues 3/25	Mon 3/31
Chloroethane	0.03	0.07	0.03	0.02 0.03	0.03	0.04	0.03	0.03	0.04		0.06 0.06	ND	0.07 0.07	0.06	0.04
Acetonitrile	0.09	0.32	0.10	0.12 0.09	0.10	0.14	0.07	0.10	0.10		0.17 0.22	0.11	0.22 0.22	0.21	0.22
Acrolein	**0.71**	**1.61**	**0.87**	**1.44** **0.70**	**1.02**	**1.28**	**0.88**	**0.86**	**1.20**		**0.95** **0.99**	**1.00**	**1.26** **1.15**	**1.03**	**0.89**
Trichlorofluoromethane (Freon 11)	1.57	1.71	1.63	1.59 1.78	1.17	1.31	1.11	1.36	1.33		1.39 1.46	1.56	1.28 1.28	1.61	1.55
Acrylonitrile	ND	ND	ND	ND ND	ND	ND	ND	ND	ND		ND ND	ND	ND ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND ND	ND	ND	ND	ND	ND		ND ND	ND	ND ND	ND	ND
Dichloromethane (Methylene Chloride)	0.27	0.40	0.25	0.31 0.35	0.16	0.46	0.19	0.20	0.25		0.22 0.19	0.18	0.22 0.23	0.41	0.23
Carbon Disulfide	0.05	0.06	0.07	0.05 0.06	0.04	0.06	0.03	0.05	0.07		0.03 0.04	0.04	0.04 0.05	0.04	0.04

* VOCs shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark in one or more samples.

** Sample dates on weekends and holidays are shown in **Bold Face**. Sample concentrations are in micrograms per cubic meter. Sample dates with two concentrations indicate duplicate samples. Sample concentrations shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark. ND = VOC not detected in sample.

Duplicate samples of February 24th were invalid because their final canister pressures were +22 in. Hg. The sample scheduled for March 19th was not collected.

TABLE 11 (Page 3 of 8)
SEASONAL TRENDS IN DETECTED VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
1 January to 31 March, 2008

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15.

VOC Detected in One or More Valid Samples *	Valid Sample Dates **														
	Tues 1/1	Mon 1/7	**Sun 1/13**	**Sat 1/19**	Fri 1/25	Thurs 1/31	Wed 2/6	Tues 2/12	Mon 2/18	**Sun 2/24**	**Sat 3/1**	Fri 3/7	Thurs 3/13	Tues 3/25	Mon 3/31
Trichlorotrifluoroethane	0.76	0.83	0.76	0.78 0.90	0.81	0.70	0.55	0.85	0.66		0.78 0.85	1.07	0.61 0.61	0.66	0.67
Trans-1,2-Dichloroethylene	ND	ND	ND	ND ND	ND	ND	ND	ND	ND		ND ND	ND	ND ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND ND	ND	ND	ND	ND	ND		ND ND	ND	ND ND	ND	ND
Methyl tert-Butyl Ether	ND	ND	ND	ND ND	ND	ND	ND	ND	ND		ND ND	ND	ND ND	ND	ND
Methyl Ethyl Ketone	1.32	1.54	3.13	2.56 0.93	1.32	2.68	2.56	0.65	2.69		1.33 1.50	1.45	2.28 3.84	2.10	1.02
Chloroprene	ND	ND	ND	ND ND	ND	ND	ND	ND	ND		ND ND	ND	ND ND	ND	ND
cis-1,2-Dichloroethylene	ND	ND	ND	ND ND	ND	ND	ND	ND	ND		ND ND	ND	ND ND	ND	ND
Bromochloromethane	ND	ND	ND	ND ND	ND	ND	ND	ND	ND		ND ND	ND	ND ND	ND	ND

* VOCs shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark in one or more samples.

** Sample dates on weekends and holidays are shown in **Bold Face**. Sample concentrations are in micrograms per cubic meter. Sample dates with two concentrations indicate duplicate samples. Sample concentrations shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark. ND = VOC not detected in sample.

Duplicate samples of February 24th were invalid because their final canister pressures were +22 in. Hg. The sample scheduled for March 19th was not collected.

TABLE 11 (Page 4 of 8)
SEASONAL TRENDS IN DETECTED VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
1 January to 31 March, 2008

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15.

VOC Detected in One or More Valid Samples *	Valid Sample Dates **														
	Tues 1/1	Mon 1/7	**Sun 1/13**	**Sat 1/19**	Fri 1/25	Thurs 1/31	Wed 2/6	Tues 2/12	Mon 2/18	**Sun 2/24**	**Sat 3/1**	Fri 3/7	Thurs 3/13	Tues 3/25	Mon 3/31
Chloroform	**0.11**	0.08	0.08	0.08 **0.10**	0.06	0.07	0.06	0.08	0.08		**0.09** **0.09**	0.07	0.08 0.07	0.08	0.07
Ethyl tert-Butyl Ether	ND	ND	ND	ND ND	ND	ND	ND	ND	ND		ND ND	ND	ND ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND ND	ND	ND	ND	ND	ND		ND ND	ND	ND ND	ND	ND
1,1,1-Trichloroethane	0.08	0.12	0.09	0.10 0.12	0.11	0.09	0.05	0.09	0.07		0.10 0.10	0.12	0.09 0.08	0.10	0.11
Benzene	**0.41**	**0.40**	**0.56**	**0.58** **0.54**	**0.59**	**0.86**	**0.67**	**0.67**	**0.61**		**0.52** **0.56**	**0.46**	**3.81** **1.24**	**0.55**	**0.40**
Carbon Tetrachloride	**0.81**	**1.00**	**0.81**	**0.87** **1.02**	**0.61**	**0.64**	**0.50**	**0.61**	**0.60**		**0.63** **0.72**	**0.77**	**0.68** **0.68**	**0.98**	**1.05**
tert-Amyl Methyl Ether	ND	0.01U	ND	ND ND	ND	ND	ND	ND	ND		ND ND	ND	ND ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND ND	ND	ND	ND	ND	ND		ND ND	ND	ND ND	ND	ND

* VOCs shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark in one or more samples.

** Sample dates on weekends and holidays are shown in **Bold Face**. Sample concentrations are in micrograms per cubic meter. Sample dates with two concentrations indicate duplicate samples. Sample concentrations shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark. ND = VOC not detected in sample.

Duplicate samples of February 24th were invalid because their final canister pressures were +22 in. Hg. The sample scheduled for March 19th was not collected.

TABLE 11 (Page 5 of 8)
SEASONAL TRENDS IN DETECTED VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
1 January to 31 March, 2008

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15.

VOC Detected in One or More Valid Samples *	Valid Sample Dates **														
	Tues 1/1	Mon 1/7	**Sun 1/13**	**Sat 1/19**	Fri 1/25	Thurs 1/31	Wed 2/6	Tues 2/12	Mon 2/18	**Sun 2/24**	**Sat 3/1**	Fri 3/7	Thurs 3/13	Tues 3/25	Mon 3/31
Ethyl Acrylate	ND	ND	ND	ND ND	ND	ND	ND	ND	ND		ND ND	ND	ND ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND ND	ND	ND	ND	ND	ND		ND ND	ND	ND ND	ND	ND
Trichloroethylene (TCE)	ND	ND	ND	ND ND	**0.03**	**0.05**	ND	ND	ND		ND ND	ND	**0.04** ND	ND	ND
Methyl Methacrylate	ND	ND	ND	ND ND	ND	ND	ND	ND	ND		ND ND	ND	ND ND	ND	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND ND	ND	ND	ND	ND	ND		ND ND	ND	ND ND	ND	ND
Methyl Isobutyl Ketone	0.09	0.16	0.25	0.18 ND	0.08	0.28	0.19	0.09	0.26		0.19 0.17	0.10	0.17 0.27	0.16	0.10
trans-1,3-Dichloropropene	ND	ND	ND	ND ND	ND	ND	ND	ND	ND		ND ND	ND	ND ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND ND	ND	ND	ND	ND	ND		0.01U ND	ND	0.02U ND	ND	ND

* VOCs shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark in one or more samples.

** Sample dates on weekends and holidays are shown in **Bold Face**. Sample concentrations are in micrograms per cubic meter. Sample dates with two concentrations indicate duplicate samples. Sample concentrations shown in **Bold Face** exceeded an EPA, ATSDR, or ODEQ health-based benchmark. ND = VOC not detected in sample.

Duplicate samples of February 24th were invalid because their final canister pressures were +22 in. Hg. The sample scheduled for March 19th was not collected.

TABLE 11 (Page 6 of 8)
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Toluene	0.21	0.19	0.25	0.23 0.20	0.30	0.60	0.36	0.44	0.39		0.39 0.39	0.33	5.29 1.28	0.84	0.20
Dibromochloromethane	ND	ND	ND	ND ND	ND	ND	ND	ND	ND		ND ND	ND	ND ND	ND	ND
1,2-Dibromoethane	ND	ND	ND	ND ND	ND	ND	ND	ND	ND		ND ND	ND	ND ND	ND	ND
n-Octane	ND	ND	ND	ND ND	0.08	0.07	0.05	0.07	0.08		0.06 0.06	ND	0.15 0.07	0.04	0.04
Tetrachloroethylene	ND	ND	ND	ND ND	0.05	0.07	0.06	0.05	0.07		0.05 0.05	ND	0.05 0.04	0.04	0.03U
Chlorobenzene	ND	ND	ND	ND ND	ND	ND	ND	ND	ND		ND ND	ND	ND ND	ND	ND
Ethylbenzene	0.04	0.03U	0.05	0.04 0.05	0.05	0.12	0.06	0.10	0.07		0.07 0.07	0.05	1.38 0.34	0.04	0.04
m,p-Xylene	0.05U	0.05U	0.09	0.08 0.03U	0.08	0.23	0.10	0.21	0.15		0.15 0.14	0.10	2.13 0.51	0.06U	0.07U

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Bromoform	ND	ND	ND	ND ND	ND	ND	ND	ND	ND		ND ND	ND	ND ND	ND	ND
Styrene	0.06U	ND	0.03U	ND 0.01U	ND	0.04U	0.58	0.02U	1.00		ND ND	ND	0.04U 0.04U	ND	0.07U
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND ND	ND	ND	ND	ND	ND		ND ND	ND	ND ND	ND	ND
o-Xylene	0.03U	0.03U	0.05	0.04 0.03U	0.04	0.10	0.04	0.09	0.07		0.07 0.07	0.05	0.84 0.23	0.03	0.03U
1,3,5-Trimethylbenzene	ND	ND	ND	ND ND	0.01U	0.03U	0.01U	0.03U	0.03U		0.01U 0.01U	ND	0.07U 0.03U	0.01U	0.01U
1,2,4-Trimethylbenzene	0.02U	ND	0.05U	0.02U 0.01U	0.03U	0.07U	0.06U	0.07U	0.12		0.05U 0.05U	0.03U	0.34 0.11	0.03U	0.03U
m-Dichlorobenzene	ND	ND	ND	ND ND	ND	ND	ND	ND	ND		ND ND	ND	ND ND	ND	ND
Chloromethylbenzene	ND	ND	ND	ND ND	ND	ND	ND	ND	ND		ND ND	ND	ND ND	ND	ND

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TABLE 11 (Page 8 of 8)
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p-Dichlorobenzene	ND	ND	ND	ND ND	0.03U	ND	ND	ND	0.01U		0.03U 0.02U	ND	0.02U 0.01U	ND	ND
o-Dichlorobenzene	ND	ND	ND	ND ND	ND	ND	ND	ND	ND		ND ND	ND	ND ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND ND	ND	ND	ND	ND	ND		ND ND	ND	ND ND	ND	ND
Hexachloro-1,3-Butadiene	ND	ND	ND	ND ND	ND	ND	ND	ND	ND		ND ND	ND	ND ND	ND	ND

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TABLE 12 (Page 1 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
Winter Season – January, February, March, 2008

Samples were 24-Hour time-weighted average samples collected in 6L canisters and analyzed via EPA Test Method TO-15
Method Detection Limits (MDLs) and VOC concentrations (mean, range, standard deviation, and coefficient of variation) are in $\mu g/m^3$
VOC concentrations that were undetected (flagged ND or U) were set equal to ½ their MDL, then included in calculation of statistics
Total number (n) of valid samples during season = 17
* = statistics not calculated

VOC (boldface indicates VOC exceeded an EPA benchmark, ODEQ MAAC, or ATSDR MRL in one or more samples)	MDL reported by ERG	Number of samples in which VOC was detected	Arithmetic mean concentration of VOC	Concentration range of VOC (minimum to maximum)	Standard deviation (S or σ_{n-1})	Coefficient of variation (CV) Boldface if > 1	Number of times VOC concentration exceeded EPA benchmark	Number of times VOC concentration exceeded ODEQ MAAC	Number of times VOC concentration exceeded ATSDR MRL
Acetylene	0.010	17	0.686	0.21 – 1.32	0.343	0.500	0	0	0
Propylene	0.033	17	0.455	0.18 – 1.93	0.430	0.945	0	0	0
Dichlorodifluoromethane (Freon 12)	0.025	17	2.558	2.05 – 3.15	0.310	0.121	0	0	0
Chloromethane	0.017	17	1.209	0.91 – 1.60	0.179	0.148	0	0	0
Dichlorotetrafluoroethane (Freon 114)	0.021	17	0.116	0.09 – 0.15	0.017	0.146	0	0	0
Vinyl Chloride	0.013	4	0.008	ND – 0.02	0.003	0.425	0	0	0
1,3-Butadiene	0.011	14	0.036	ND – 0.21	0.047	**1.316**	1	0	0
Bromomethane	0.016	16	0.042	ND – 0.06	0.011	0.269	0	0	0

TABLE 12 (Page 2 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
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Chloroethane	0.011	16	0.042	ND – 0.07	0.19	0.462	0	0	0
Acetonitrile	0.037	17	0.153	0.07 – 0.32	0.070	0.458	0	0	0
Acrolein	0.046	17	1.049	0.70 – 1.61	0.247	0.235	17	0	17
Trichlorofluoromethane (Freon 11)	0.017	17	1.452	1.11 – 1.78	0.192	0.132	0	0	0
Acrylonitrile	0.020	0	*	ND	*	*	0	0	0
1,1-Dichloroethene	0.020	0	*	ND	*	*	0	0	0
Dichloromethane (Methylene Chloride)	0.063	17	0.266	0.16 – 0.46	0.089	0.335	0	0	0
Carbon Disulfide	0.012	17	0.048	0.03 – 0.07	0.012	0.258	0	0	0

TABLE 12 (Page 3 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
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VOC (boldface indicates VOC exceeded an EPA benchmark, ODEQ MAAC, or ATSDR MRL in one or more samples)	MDL reported by ERG	Number of samples in which VOC was detected	Arithmetic mean concentration of VOC	Concentration range of VOC (minimum to maximum)	Standard deviation (S or σ_{n-1})	Coefficient of variation (CV) Boldface if > 1	Number of times VOC concentration exceeded EPA benchmark	Number of times VOC concentration exceeded ODEQ MAAC	Number of times VOC concentration exceeded ATSDR MRL
Trichlorotrifluoroethane	0.054	17	0.756	0.55 – 1.07	0.128	0.169	0	0	0
Trans-1,2-Dichloroethylene	0.020	0	*	ND	*	*	0	0	0
1,1-Dichloroethane	0.028	0	*	ND	*	*	0	0	0
Methyl tert-Butyl Ether	0.018	0	*	ND	*	*	0	0	0
Methyl Ethyl Ketone	0.083	17	1.935	0.65 – 3.84	0.877	0.453	0	0	0
Chloroprene	0.025	0	*	ND	*	*	0	0	0
cis-1,2-Dichloroethylene	0.028	0	*	ND	*	*	0	0	0
Bromochloromethane	0.032	0	*	ND	*	*	0	0	0

TABLE 12 (Page 4 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
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Chloroform	0.034	17	0.079	0.06 – 0.11	0.013	0.164	4	0	0
Ethyl tert-Butyl Ether	0.021	0	*	ND	*	*	0	0	0
1,2-Dichloroethane	0.036	0	*	ND	*	*	0	0	0
1,1,1-Trichloroethane	0.027	17	0.095	0.05 – 0.12	0.019	0.197	0	0	0
Benzene	0.032	17	0.790	0.40 – 3.81	0.803	**1.02**	17	0	1
Carbon Tetrachloride	0.025	17	0.764	0.50 – 1.05	0.169	0.222	17	0	0
tert-Amyl Methyl Ether	0.054	0	*	ND – 0.01U	*	*	0	0	0
1,2-Dichloropropane	0.046	0	*	ND	*	*	0	0	0

TABLE 12 (Page 5 of 8)
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Ethyl Acrylate	0.086	0	*	ND	*	*	0	0	0
Bromodichloromethane	0.047	0	*	ND	*	*	0	0	0
Trichloroethylene (TCE)	0.021	3	0.016	ND – 0.05	0.012	0.757	3	0	0
Methyl Methacrylate	0.049	0	*	ND	*	*	0	0	0
cis-1,3-Dichloropropene	0.032	0	*	ND	*	*	0	0	0
Methyl Isobutyl Ketone	0.066	16	0.163	ND – 0.28	0.073	0.451	0	0	0
trans-1,3-Dichloropropene	0.068	0	*	ND	*	*	0	0	0
1,1,2-Trichloroethane	0.044	0	*	ND – 0.02U	*	*	0	0	0

TABLE 12 (Page 6 of 8)
SEASONAL STATISTICS FOR VOC CONCENTRATIONS AT CHEROKEE HEIGHTS
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Toluene	0.087	17	0.699	0.19 – 5.29	1.215	**1.738**	0	0	0
Dibromochloromethane	0.043	0	*	ND	*	*	0	0	0
1,2-Dibromoethane	0.054	0	*	ND	*	*	0	0	0
n-Octane	0.023	11	0.049	ND – 0.15	0.037	0.762	0	0	0
Tetrachloroethylene	0.041	10	0.040	ND – 0.07	0.018	0.458	0	0	0
Chlorobenzene	0.037	0	*	ND	*	*	0	0	0
Ethylbenzene	0.035	16	0.152	0.03U – 1.38	0.325	**2.135**	0	0	0
m,p-Xylene	0.083	12	0.246	0.03U – 2.13	0.499	**2.028**	0	0	0

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Bromoform	0.052	0	*	ND	*	*	0	0	0
Styrene	0.089	2	0.132	ND – 1.00	0.258	**1.958**	0	0	0
1,1,2,2-Tetrachloroethane	0.062	0	*	ND	*	*	0	0	0
o-Xylene	0.035	13	0.105	0.03U – 0.84	0.196	**1.867**	0	0	0
1,3,5-Trimethylbenzene	0.079	0	*	ND – 0.07U	*	*	0	0	0
1,2,4-Trimethylbenzene	0.079	3	0.066	ND – 0.34	0.075	**1.135**	0	0	0
m-Dichlorobenzene	0.090	0	*	ND	*	*	0	0	0
Chloromethylbenzene	0.057	0	*	ND	*	*	0	0	0

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p-Dichlorobenzene	0.072	0	*	ND – 0.03U	*	*	0	0	0
o-Dichlorobenzene	0.090	0	*	ND	*	*	0	0	0
1,2,4-Trichlorobenzene	0.223	0	*	ND	*	*	0	0	0
Hexachloro-1,3-Butadiene	0.181	0	*	ND	*	*	0	0	0