



Fulton County Ethylene Oxide Air Sampling Results Presentation to the Fulton Board of Commissioners

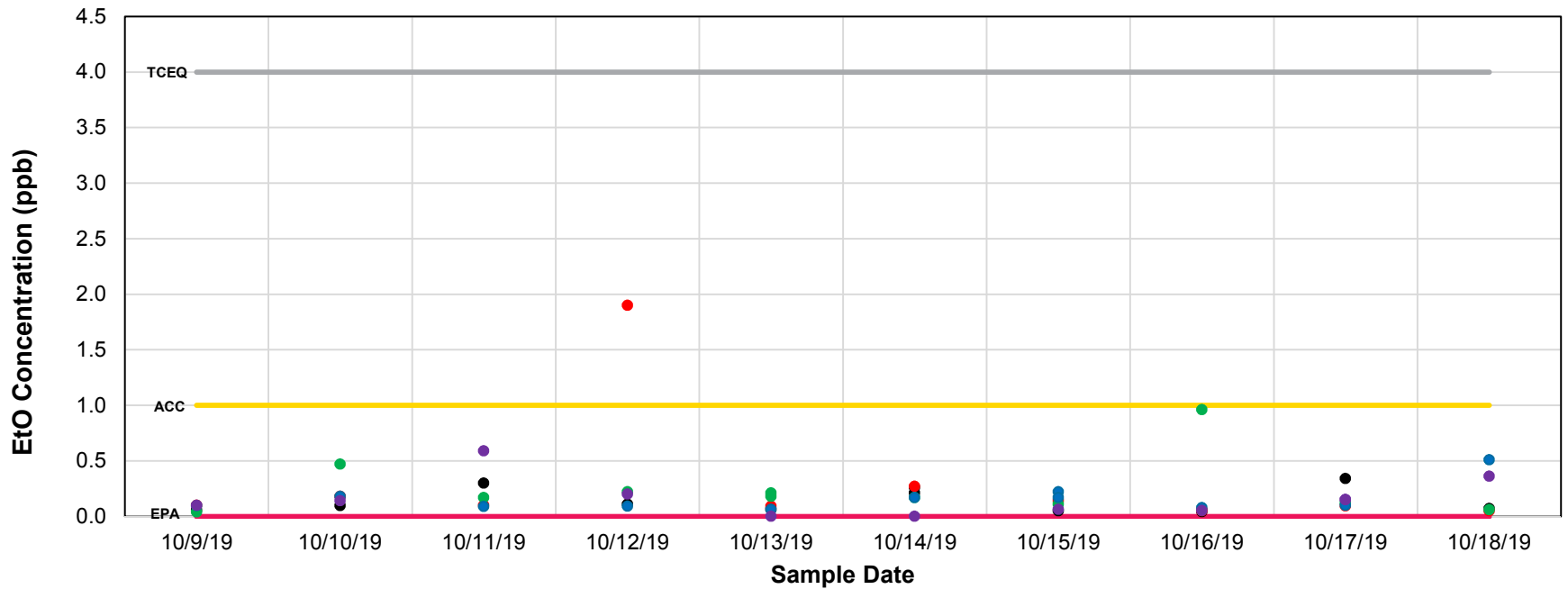
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GHD Services, Inc., Little Rock, AR

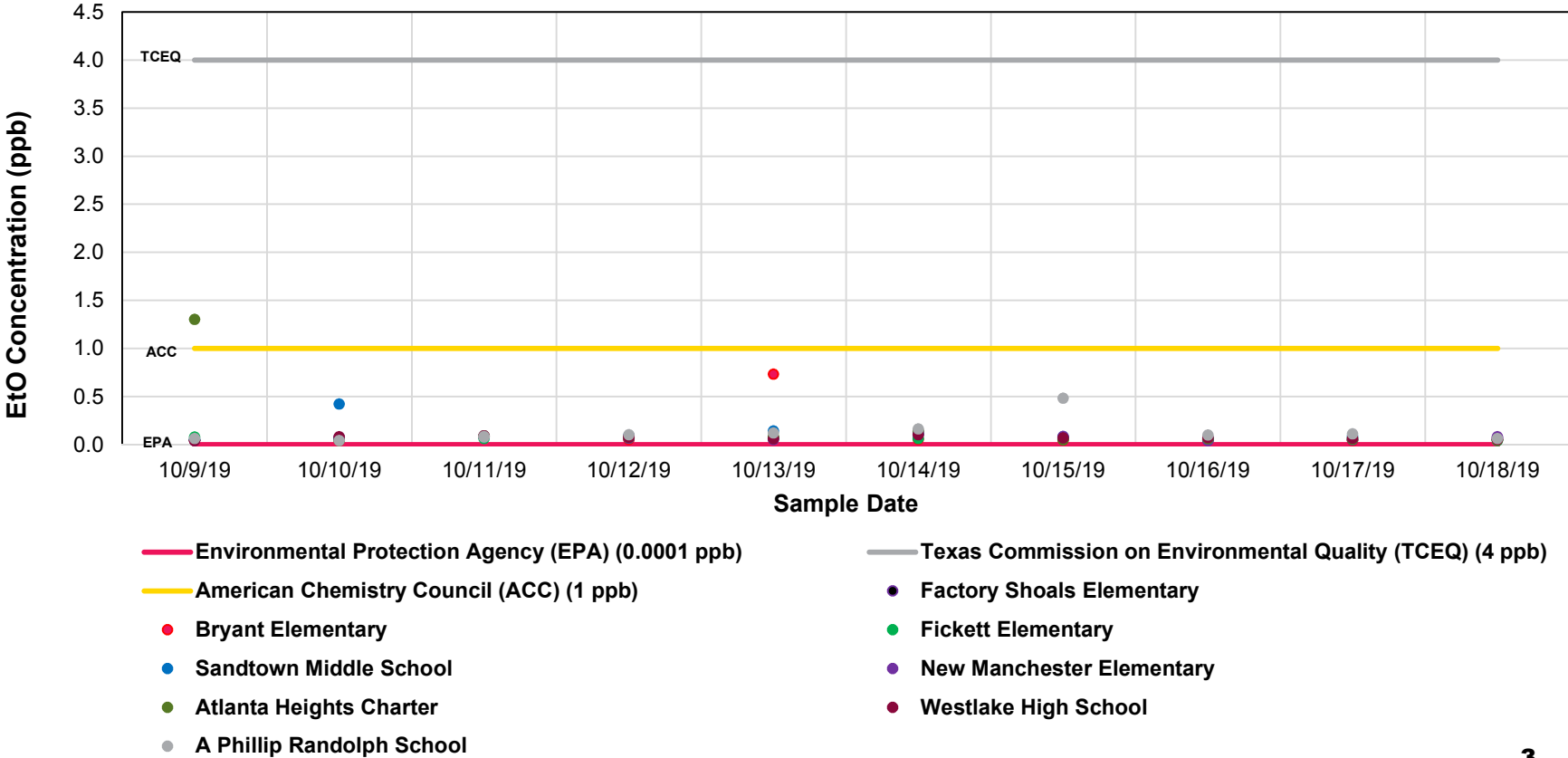
December 6, 2019

Fulton County Air Sample EtO Data Comparison Wind Direction



- Environmental Protection Agency (EPA) (0.0001 ppb)
- American Chemistry Council (ACC) (1 ppb)
- South of SSG
- West of SSG
- Texas Commission on Environmental Quality (TCEQ) (4 ppb)
- North of SSG
- East of SSG
- South of SSG

Fulton School Air Sample EtO Data Comparison Schools



**Summary of Area Air Sampling Results for Ethylene Oxide – Fulton County
(Collected on October 9 – 18, 2019)**

Lab Logins: L495100, L495162, L495358, L495368, L49352, L495503, L495627, L495741, L495868

Sample Site Location	Sample Site Description	Location Address	Sample Dates	Air Sample Results (ppb)
Fulton County 1	North of SSG	Camp Creek Parkway ROW	October 9 – 10, 2019	0.056
			October 10 – 11, 2019	0.097
			October 11 – 12, 2019	0.30
			October 12 – 13, 2019	0.11
			October 13 – 14, 2019	0.063
			October 14 – 15, 2019	0.26
			October 14 – 15, 2019	0.21
			October 15 – 16, 2019	0.051
			October 16 – 17, 2019	0.043
			October 17 – 18, 2019	0.34
Fulton County 2	South of SSG	Fulton Industrial Blvd and Plummer Rd	October 9 – 10, 2019	0.10
			October 10 – 11, 2019	0.18
			October 11 – 12, 2019	0.099
			October 12 – 13, 2019	1.9
			October 13 – 14, 2019	0.090
			October 14 – 15, 2019	0.27
			October 15 – 16, 2019	0.14
			October 16 – 17, 2019	0.060
			October 16 – 17, 2019	0.049
			October 17 – 18, 2019	0.094
Fulton County 3	East of SSG	Camp Creek Parkway and Reynolds Rd	October 9 – 10, 2019	< 0.040
			October 10 – 11, 2019	0.47
			October 11 – 12, 2019	0.17
			October 12 – 13, 2019	0.22
			October 13 – 14, 2019	0.18
			October 13 – 14, 2019	0.21
			October 14 – 15, 2019	0.17
			October 15 – 16, 2019	0.11
			October 16 – 17, 2019	0.96
			October 17 – 18, 2019	0.12



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Sample Site Location	Sample Site Description	Location Address	Sample Dates	Air Sample Results (ppb)
Fulton County 4	West of SSG	Boat Rock Blvd and Lagrange Blvd	October 9 – 10, 2019	< 0.096
			October 10 – 11, 2019	0.18
			October 11 – 12, 2019	0.088
			October 12 – 13, 2019	0.092
			October 13 – 14, 2019	0.063
			October 14 – 15, 2019	0.17
			October 15 – 16, 2019	0.22
			October 15 – 16, 2019	0.17
			October 16 – 17, 2019	0.078
			October 17 – 18, 2019	0.099
			October 9 – 10, 2019	0.10
			October 10 – 11, 2019	0.14
			October 11 – 12, 2019	0.59
			October 12 – 13, 2019	< 0.20
October 13 – 14, 2019	Sample			
October 14 – 15, 2019	Not			
October 15 – 16, 2019	0.062			
October 16 – 17, 2019	0.052			
October 17 – 18, 2019	0.15			
October 17 – 18, 2019	0.15			
Fulton School 1	Factory Shoals Elementary	2375 Mt Vernon Rd	October 9 – 10, 2019	< 0.040
			October 10 – 11, 2019	0.070
			October 11 – 12, 2019	0.079
			October 12 – 13, 2019	0.056
			October 13 – 14, 2019	0.064
			October 14 – 15, 2019	0.10
			October 15 – 16, 2019	0.061
			October 16 – 17, 2019	< 0.040
			October 17 – 18, 2019	0.048
			October 9 – 10, 2019	< 0.040
			October 10 – 11, 2019	0.045
			October 11 – 12, 2019	0.084
			October 12 – 13, 2019	0.053
			October 13 – 14, 2019	0.73
October 14 – 15, 2019	0.054			
October 15 – 16, 2019	0.048			
October 16 – 17, 2019	0.051			



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Sample Site Location	Sample Site Description	Location Address	Sample Dates	Air Sample Results (ppb)
Fulton School 3	Fickett Elementary	3935 Rux Rd SW	October 9 – 10, 2019	0.076
			October 9 – 10, 2019	0.046
			October 10 – 11, 2019	0.058
			October 11 – 12, 2019	0.063
			October 12 – 13, 2019	0.069
			October 13 – 14, 2019	0.070
			October 14 – 15, 2019	0.063
			October 15 – 16, 2019	0.061
			October 16 – 17, 2019	0.047
			October 17 – 18, 2019	0.068
Fulton School 4	Sandtown Middle School	5400 Campbellton Rd SW	October 9 – 10, 2019	0.052
			October 10 – 11, 2019	0.42
			October 10 – 11, 2019	0.050
			October 11 – 12, 2019	0.080
			October 12 – 13, 2019	0.091
			October 13 – 14, 2019	0.14
			October 14 – 15, 2019	0.11
			October 15 – 16, 2019	0.081
			October 16 – 17, 2019	0.065
			October 17 – 18, 2019	0.087
Fulton School 5	New Manchester Elementary	2242 Old Lower River Rd	October 9 – 10, 2019	< 0.040
			October 10 – 11, 2019	0.075
			October 11 – 12, 2019	0.088
			October 12 – 13, 2019	0.066
			October 13 – 14, 2019	0.049
			October 14 – 15, 2019	0.13
			October 15 – 16, 2019	0.082
			October 16 – 17, 2019	0.042
			October 17 – 18, 2019	0.048



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Sample Site Location	Sample Site Description	Location Address	Sample Dates	Air Sample Results (ppb)
Fulton School 6	Atlanta Heights Charter	3712 MLK Drive SW	October 9 – 10, 2019	1.3
			October 10 – 11, 2019	< 0.040
			October 11 – 12, 2019	0.090
			October 12 – 13, 2019	0.075
			October 13 – 14, 2019	0.083
			October 14 – 15, 2019	0.14
			October 15 – 16, 2019	0.046
			October 16 – 17, 2019	0.058
			October 17 – 18, 2019	0.054
Fulton School 7	Westlake High School	2400 Union Rd SW	October 9 – 10, 2019	< 0.040
			October 10 – 11, 2019	0.081
			October 11 – 12, 2019	0.089
			October 12 – 13, 2019	0.075
			October 12 – 13, 2019	0.086
			October 13 – 14, 2019	0.058
			October 14 – 15, 2019	0.10
			October 15 – 16, 2019	0.067
			October 16 – 17, 2019	0.072
Fulton School 8	A Phillip Randolph School	5320 Campbellton Rd SW	October 9 – 10, 2019	0.061
			October 10 – 11, 2019	< 0.040
			October 11 – 12, 2019	0.083
			October 11 – 12, 2019	0.078
			October 12 – 13, 2019	0.10
			October 13 – 14, 2019	0.12
			October 14 – 15, 2019	0.16
			October 15 – 16, 2019	0.48
			October 16 – 17, 2019	0.099
October 17 – 18, 2019	0.11			



Summary and Conclusions

- ☑ The data provides an initial indication of EtO levels within a 5 mile radius of Sterilization Services of Georgia.
- ☑ The data is a 10 day sample and does not establish a long term characterization of EtO levels in the sampling area.
- ☑ The data suggest that there was no significant contribution to EtO levels by Sterilization Services of Georgia during the air sampling period for the monitored area.
- ☑ The results were consistent with EtO levels seen in background air sampling in other parts of the country.
- ☑ Measured against the three EtO exposure standards outlined above, the results do not indicate a need for further action or concern.





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