	A	B	C	D	E	F	G	H	I
1	ND & Less than ND = 1/2 MDL	Sample Start Date	13-Nov-18	16-Nov-18	19-Nov-18	23-Nov-18	25-Nov-18	28-Nov-18	1-Dec-18
2	Rolling average from 11/13/18 to present	Sample End Date	14-Nov-18	17-Nov-18	20-Nov-18	24-Nov-18	26-Nov-18	29-Nov-18	2-Dec-18
3	SAMPLENAME	Rolling avg (µg/m3)	(µg/m^3)	(µg/m^3)	(µg/m^3)	(µg/m^3)	(µg/m^3)	(µg/m^3)	(µg/m^3)
4	Gower ES	0.313			0.164	0.202	0.411	0.474	0.464
5	Gower MS	0.284			0.155	0.197	0.360	0.656	0.140
6	Hinsdale South HS	0.352			0.253		0.665	0.376	0.629
7	Watertower	0.449			0.246	0.893		0.699	0.0409
8	WB Village Hall	2.34		0.824	6.21	0.284	4.10	1.83	1.79
9	WB Warehouse	2.21	2.37	1.81	6.62	0.180		0.694	0.456
10	West Neighborhood	0.353			0.125	0.205	0.261	0.041	0.804
11	Willow Pond Park	0.245			0.105	0.286	0.345	0.455	0.211
12									
13	Average RPD for collocates =	19.3%	NA	0.0%	3.2%	NA	NA	129%	12.0%
14	Average CV for collocates =	13.7%	NA	0.0%	2.3%	NA	NA	91.0%	8.5%
15									
16	Collocate criteria ±25 RPD for compounds >5 times the MDL = NA								
17	Not Applicable =	NA							
18									
19	Relative Percent Difference =	RPD							
20									
21	METHOD DETECTION LIMIT								
22	Method detection limit (ppbv) = 0.0453	0.0453							
23	Method detection limit (µg/m^3) =	0.0819							
24	1/2 Method detection limit (µg/m^3) =	0.0409							
25									
26	Mol. Weight	44.1							
27	Factor	1.81							

	J	K	L	M	N	O	P	Q	R	S	T	U	V
1	**6-Dec-18**	**7-Dec-18**	**10-Dec-18**	**13-Dec-18**	**16-Dec-18**	**19-Dec-18**	**22-Dec-18**	**26-Dec-18**	**28-Dec-18**	**2-Jan-19**	**3-Jan-19**	**6-Jan-19**	**9-Jan-19**
2	**7-Dec-18**	**8-Dec-18**	**11-Dec-18**	**14-Dec-18**	**17-Dec-18**	**20-Dec-18**	**23-Dec-18**	**27-Dec-18**	**29-Dec-18**	**3-Jan-19**	**4-Jan-19**	**7-Jan-19**	**10-Jan-19**
3	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**
4	0.0409	0.164	0.138	0.401	0.732	0.311	0.360	0.497	0.133	0.210	0.6326	0.249	
5	0.605	0.112	0.0409	0.255	0.593	0.360	0.522	0.0409	0.175	0.0409	0.041	0.0409	0.354
6	0.486	0.0409	0.213	0.244	0.511	0.267	0.376	0.566	0.264	0.0409	0.4283	0.249	0.295
7	0.389	0.273	0.248	0.211	0.535	1.67	0.441	0.151		0.0409	0.041	0.0409	0.0409
8	5.39	0.780	0.302	2.09	0.871	0.429	0.981	10.7	0.672	0.251	0.314	7.10	3.81
9	11.1	2.26	0.336	0.436	2.15	0.345	2.83		1.31	0.316	0.041	0.0409	0.685
10	0.254	0.0409	0.213	1.06	0.604	0.197	0.235	1.17	0.0409	0.0409	0.0409	1.56	0.115
11	0.041	0.403	0.0409	0.365	0.334	0.546	0.116	0.166	0.0409	0.217	0.0409	0.0409	0.219
12													
13	10.9%	10.9%	NA	4.3%	3.4%	NA	18.5%	2.9%	18.0%	NA	NA	13.7%	NA
14	7.7%	7.7%	NA	3.1%	2.4%	NA	13.1%	2.0%	12.7%	NA	NA	9.7%	NA
15													
16													
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25													
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	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI
1	**12-Jan-19**	**15-Jan-19**	**17-Jan-19**	**22-Jan-19**	**24-Jan-19**	**27-Jan-19**	**1-Feb-19**	**2-Feb-19**	**5-Feb-19**	**8-Feb-19**	**11-Feb-19**	**14-Feb-19**	**17-Feb-19**
2	**13-Jan-19**	**16-Jan-19**	**18-Jan-19**	**23-Jan-19**	**25-Jan-19**	**28-Jan-19**	**2-Feb-19**	**3-Feb-19**	**6-Feb-19**	**9-Feb-19**	**12-Feb-19**	**15-Feb-19**	**18-Feb-19**
3	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**
4	0.237	0.0409	0.0409	0.598	0.0947	0.293	0.157	0.215	1.38	0.202			
5	0.0409	0.918	1.66	0.349	0.0409	0.155	0.101	0.371	3.29	0.439			
6	0.264	0.239	0.134	0.349	0.0409	3.29	0.322	0.131	0.237	0.347			
7	0.307	0.0409	0.316	10.8	0.0821	1.75	9.489	7.48	0.208	0.233			
8	1.61	0.672	0.554	1.51	0.210	19.3	0.918	0.383	16.4	0.725			
9	0.0409	14.3	13.1	4.08	0.280	1.18	0.133	0.239	26.4	4.67			
10	0.727	0.119	0.151	1.07	0.0409	1.65	0.129	0.160	5.35	0.275			
11	0.0409	0.107	0.144	2.21	0.114	0.813	3.71	1.40	0.174	0.213			
12													
13	5.1%	0.6%	13.4%	1.3%	NA	13.1%	7.9%	9.8%	10.5%	15.9%			
14	3.6%	0.4%	9.5%	0.9%	NA	9.3%	5.6%	6.9%	7.4%	11.2%			
15													
16													
17													
18													
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21													
22													
23													
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	AJ	AK
1	**20-Feb-19**	**23-Feb-19**
2	**21-Feb-19**	**24-Feb-19**
3	**(µg/m^3)**	**(µg/m^3)**
4		
5		
6		
7		
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9		
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26		
27		

	A	B	C	D	E	F	G	H	I
1		Sample Start Date	13-Nov-18	16-Nov-18	19-Nov-18	23-Nov-18	25-Nov-18	28-Nov-18	1-Dec-18
2		Sample End Date	14-Nov-18	17-Nov-18	20-Nov-18	24-Nov-18	26-Nov-18	29-Nov-18	2-Dec-18
3	**SAMPLENAME**		**(ppbv)**	**(ppbv)**	**(ppbv)**	**(ppbv)**	**(ppbv)**	**(ppbv)**	**(ppbv)**
4	Gower ES	**REPORTED VALUES REPORTED IN PPBV**	--	--	0.0907	0.112	0.228	0.262	0.257
5	Gower MS		--	--	0.0860	0.109	0.199	0.363	0.0776
6	Hinsdale South HS		--	--	0.140	Invalid	0.368	0.208	0.348
7	Watertower		--	--	0.136	0.494	Invalid	0.387	ND
8	WB Village Hall		Invalid	0.456	3.38	0.157	2.27	1.01	0.931
9	WB Warehouse		1.31	1.00	3.66	0.0994	Invalid	0.137	0.252
10	West Neighborhood		--	--	0.0691	0.114	0.145	ND	0.445
11	Willow Pond Park		--	--	0.0580	0.158	0.191	0.252	0.117
12									
13	Gower ES C2	**REPORTED VALUES REPORTED IN PPBV**	--	--	--	--	--	--	--
14	Gower MS C2		--	--	--	--	--	--	--
15	Hinsdale South HS C2		--	--	--	--	--	--	--
16	Watertower C2		--	--	--	--	--	--	--
17	WB Village Hall C2		--	--	3.49	--	--	--	1.05
18	WB Warehouse C2		--	1.00	--	Invalid	Invalid	0.631	--
19	West Neighborhood C2		--	--	--	--	--	--	--
20	Willow Pond Park C2		--	--	--	--	--	--	--
21									
22									
23			**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**
24	Gower ES	**REPORTED VALUES REPORTED IN µg/m3**	--	--	0.164	0.202	0.411	0.474	0.464
25	Gower MS		--	--	0.155	0.197	0.360	0.656	0.140
26	Hinsdale South HS		--	--	0.253	Invalid	0.665	0.376	0.629
27	Watertower		--	--	0.246	0.893	Invalid	0.699	ND
28	WB Village Hall		--	0.824	6.11	0.284	4.10	1.83	1.68
29	WB Warehouse		2.37	1.81	6.62	0.18	Invalid	0.248	0.456
30	West Neighborhood		--	--	0.125	0.205	0.261	ND	0.804
31	Willow Pond Park		--	--	0.105	0.286	0.345	0.455	0.211
32									
33	Gower ES C2	**REPORTED VALUES**	--	--	--	--	--	--	--
34	Gower MS C2		--	--	--	--	--	--	--
35	Hinsdale South HS C2		--	--	--	--	--	--	--
36	Watertower C2		--	--	--	--	--	--	--

	A	B	C	D	E	F	G	H	I
37	WB Village Hall C2	**REPORTED IN**	--	--	6.31	--	--	--	1.90
38	WB Warehouse C2	**µg/m3**	--	1.81	--	Invalid	Invalid	1.14	--
39	West Neighborhood C2		--	--	--	--	--	--	--
40	Willow Pond Park C2		--	--	--	--	--	--	--
41									
42									
43									
44									
45	**ND & Less than ND = 1/2 MDL**		0.0409	0.0409	0.0409	0.0409	0.0409	0.0409	0.0409
46		**Rolling avg**							
47	**SAMPLENAME**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**
48	Gower ES	0.3135			0.164	0.202	0.411	0.474	0.464
49	Gower MS	0.2836			0.155	0.197	0.360	0.656	0.140
50	Hinsdale South HS	0.3523			0.253		0.665	0.376	0.629
51	Watertower	0.4492			0.246	0.893		0.699	0.0409
52	WB Village Hall	2.34		0.824	6.11	0.284	4.10	1.83	1.68
53	WB Warehouse	2.24	2.37	1.81	6.62	0.1797		0.248	0.456
54	West Neighborhood	0.3533			0.125	0.205	0.261	0.0409	0.804
55	Willow Pond Park	0.2447			0.105	0.286	0.345	0.455	0.211
56									
57	Gower ES C2	#DIV/0!							
58	Gower MS C2	#DIV/0!							
59	Hinsdale South HS C2	#DIV/0!							
60	Watertower C2	#DIV/0!							
61	WB Village Hall C2	3.67			6.31				1.90
62	WB Warehouse C2	2.52		1.81				1.14	
63	West Neighborhood C2	#DIV/0!							
64	Willow Pond Park C2	#DIV/0!							
65									
66	**RPD between Samples & Collocate**								
67	**SAMPLENAME**	**RPD**	**RPD**	**RPD**	**RPD**	**RPD**	**RPD**	**RPD**	**RPD**
68									
69	Gower ES C2	#DIV/0!	--	--	--	--	--	--	--
70	Gower MS C2	#DIV/0!	--	--	--	--	--	--	--
71	Hinsdale South HS C2	#DIV/0!	--	--	--	--	--	--	--
72	Watertower C2	#DIV/0!	--	--	--	--	--	--	--

	A	B	C	D	E	F	G	H	I
73	WB Village Hall C2	6.7%	--	--	3.2%	NA	--	--	12.0%
74	WB Warehouse C2	29.9%	--	0.0%	--	--	--	129%	--
75	West Neighborhood C2	#DIV/0!	--	--	--	--	--	--	--
76	Willow Pond Park C2	#DIV/0!	--	--	--	--	--	--	--
77	**Average RPD for collocates =**	19.3%	NA	0.0%	3.2%	NA	NA	129%	12.0%
78	**Average CV for collocates =**	13.7%	NA	0.0%	2.3%	NA	NA	91.0%	8.5%
79									
80	**Collocate criteria ±25 RPD for compounds >5 times the MDL = NA**								
81	**No sample rec'd in lab =**	---							
82	**Sample Was Invalid =**	**Invalid**							
83	**Nondetect =**	**ND**							
84	**Not Applicable =**	**NA**							
85	***Italicized* =**	**Under the MDL**							
86	**Bold =**	**Diluted**							
87	**Underlined =**	**Co-eluter**							
88									
89	**Relative Percent Difference =**	**RPD**							
90	**=**	**[(C1-C2)/(average (C1,C2)] x 100**							
91	**C1 =**	**Primary Sample**							
92	**C2 =**	**Collocated Sample**							
93	**METHOD DETECTION LIMIT**								
94	Method detection limit (ppbv) = 0.0453	0.0453							
95	Method detection limit (µg/m^3) =	0.0819							
96	1/2 Method detection limit (µg/m^3) =	0.0409							
97	Method detection limit x 5 (µg/m^3) =	0.4094							
98	Mol. Weight	44.1							
99	Factor	1.81							

	J	K	L	M	N	O	P	Q	R	S	T	U	V
1	6-Dec-18	7-Dec-18	10-Dec-18	13-Dec-18	16-Dec-18	19-Dec-18	22-Dec-18	26-Dec-18	28-Dec-18	2-Jan-19	3-Jan-19	6-Jan-19	9-Jan-19
2	7-Dec-18	8-Dec-18	11-Dec-18	14-Dec-18	17-Dec-18	20-Dec-18	23-Dec-18	27-Dec-18	29-Dec-18	3-Jan-19	4-Jan-19	7-Jan-19	10-Jan-19
3	(ppbv)	(ppbv)	(ppbv)	(ppbv)	(ppbv)	(ppbv)	(ppbv)	(ppbv)	(ppbv)	(ppbv)	(ppbv)	(ppbv)	(ppbv)
4	ND	0.0909	0.0766	0.222	0.405	0.172	0.199	0.275	0.0734	0.116	0.350	0.138	Invalid
5	0.335	0.0622	ND	0.141	0.328	0.199	0.289	ND	0.0970	ND	ND	ND	0.196
6	0.269	ND	0.118	0.135	0.283	0.148	0.208	0.313	0.146	ND	0.237	0.138	0.163
7	0.215	0.151	0.137	0.117	0.296	0.925	0.244	0.0835	Invalid	ND	ND	ND	ND
8	2.98	0.408	0.167	1.13	0.482	0.288	0.543	5.99	0.372	0.139	0.206	4.20	2.11
9	6.48	1.25	0.149	0.241	1.17	0.191	1.71	Invalid	0.788	0.131	ND	ND	Invalid
10	0.140	ND	0.118	0.589	0.334	0.109	0.130	0.649	ND	ND	ND	0.865	0.0634
11	ND	0.223	ND	0.202	0.185	0.302	0.0641	0.0916	ND	0.120	ND	ND	0.121
12													
13	--	--	--	--	--	--	--	--	--	--	--	--	--
14	--	--	--	--	--	--	--	--	--	--	--	--	--
15	--	--	--	--	--	--	--	--	--	--	--	--	--
16	--	--	--	--	--	--	--	--	--	--	--	--	--
17	--	0.455	--	1.18	--	0.187	--	5.82	--	--	0.142	3.66	--
18	5.81	--	0.223	--	1.21	--	1.42	--	0.658	0.219	--	--	0.379
19	--	--	--	--	--	--	--	--	--	--	--	--	--
20	--	--	--	--	--	--	--	--	--	--	--	--	--
21													
22													
23	(µg/m^3)	(µg/m^3)	(µg/m^3)	(µg/m^3)	(µg/m^3)	(µg/m^3)	(µg/m^3)	(µg/m^3)	(µg/m^3)	(µg/m^3)	(µg/m^3)	(µg/m^3)	(µg/m^3)
24	ND	0.164	0.138	0.401	0.732	0.311	0.360	0.497	0.133	0.210	0.633	0.249	Invalid
25	0.605	0.112	ND	0.255	0.593	0.360	0.522	ND	0.175	ND	ND	ND	0.354
26	0.486	ND	0.213	0.244	0.511	0.267	0.376	0.566	0.264	ND	0.428	0.249	0.295
27	0.389	0.273	0.248	0.211	0.535	1.67	0.441	0.151	Invalid	ND	ND	ND	ND
28	5.39	0.737	0.30	2.04	0.871	0.521	0.981	10.8	0.672	0.251	0.372	7.59	3.81
29	11.7	2.26	0.269	0.436	2.11	0.345	3.09	Invalid	1.42	0.237	ND	ND	Invalid
30	0.254	ND	0.213	1.06	0.604	0.197	0.235	1.17	ND	ND	ND	1.56	0.115
31	ND	0.403	ND	0.365	0.334	0.546	0.116	0.166	ND	0.217	ND	ND	0.219
32													
33	--	--	--	--	--	--	--	--	--	--	--	--	--
34	--	--	--	--	--	--	--	--	--	--	--	--	--
35	--	--	--	--	--	--	--	--	--	--	--	--	--
36	--	--	--	--	--	--	--	--	--	--	--	--	--

	J	K	L	M	N	O	P	Q	R	S	T	U	V
37	--	0.822	--	2.13	--	0.338	--	10.5	--	--	0.257	6.62	--
38	10.5	--	0.403	--	2.19	--	2.57	--	1.19	0.396	--	--	0.685
39	--	--	--	--	--	--	--	--	--	--	--	--	--
40	--	--	--	--	--	--	--	--	--	--	--	--	--
41													
42													
43													
44													
45	0.0409	0.0409	0.0409	0.0409	0.0409	0.0409	0.0409	0.0409	0.0409	0.0409	0.0409	0.0409	0.0409
46													
47	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**
48	0.0409	0.164	0.138	0.401	0.732	0.311	0.360	0.497	0.133	0.210	0.6326	0.249	
49	0.605	0.112	0.0409	0.255	0.593	0.360	0.522	0.0409	0.175	0.0409	0.041	0.0409	0.354
50	0.486	0.0409	0.213	0.244	0.511	0.267	0.376	0.566	0.264	0.0409	0.4283	0.249	0.295
51	0.389	0.273	0.248	0.211	0.535	1.67	0.441	0.151		0.0409	0.041	0.0409	0.0409
52	5.39	0.737	0.302	2.04	0.871	0.521	0.981	10.8	0.672	0.251	0.3723	7.59	3.81
53	11.7	2.26	0.269	0.436	2.11	0.345	3.09		1.42	0.237	0.041	0.0409	
54	0.254	0.0409	0.213	1.06	0.604	0.197	0.235	1.17	0.0409	0.0409	0.0409	1.56	0.115
55	0.0409	0.403	0.0409	0.365	0.334	0.546	0.116	0.166	0.0409	0.217	0.0409	0.0409	0.219
56													
57													
58													
59													
60													
61		0.822		2.13		0.338		10.5			0.257	6.62	
62	10.5		0.403		2.19		2.57		1.19	0.396			0.685
63													
64													
65													
66													
67	**RPD**	**RPD**	**RPD**	**RPD**	**RPD**	**RPD**	**RPD**	**RPD**	**RPD**	**RPD**	**RPD**	**RPD**	**RPD**
68													
69	--	--	--	--	--	--	--	--	--	--	--	--	--
70	--	--	--	--	--	--	--	--	--	--	--	--	--
71	--	--	--	--	--	--	--	--	--	--	--	--	--
72	--	--	--	--	--	--	--	--	--	--	--	--	--

	J	K	L	M	N	O	P	Q	R	S	T	U	V
73	--	10.9%	--	4.3%	--	NA	--	2.9%	--	--	NA	13.7%	--
74	10.9%	--	NA	--	3.4%	--	18.5%	--	18.0%	NA	--	--	NA
75	--	--	--	--	--	--	--	--	--	--	--	--	--
76	--	--	--	--	--	--	--	--	--	--	--	--	--
77	10.9%	10.9%	NA	4.3%	3.4%	NA	18.5%	2.9%	18.0%	NA	NA	13.7%	NA
78	7.7%	7.7%	NA	3.1%	2.4%	NA	13.1%	2.0%	12.7%	NA	NA	9.7%	NA
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	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI
1	**12-Jan-19**	**15-Jan-19**	**17-Jan-19**	**22-Jan-19**	**24-Jan-19**	**27-Jan-19**	**1-Feb-19**	**2-Feb-19**	**5-Feb-19**	**8-Feb-19**	**11-Feb-19**	**14-Feb-19**	**17-Feb-19**
2	**13-Jan-19**	**16-Jan-19**	**18-Jan-19**	**23-Jan-19**	**25-Jan-19**	**28-Jan-19**	**2-Feb-19**	**3-Feb-19**	**6-Feb-19**	**9-Feb-19**	**12-Feb-19**	**15-Feb-19**	**18-Feb-19**
3	**(ppbv)**	**(ppbv)**	**(ppbv)**	**(ppbv)**	**(ppbv)**	**(ppbv)**	**(ppbv)**	**(ppbv)**	**(ppbv)**	**(ppbv)**	**(ppbv)**	**(ppbv)**	**(ppbv)**
4	0.131	ND	ND	0.331	0.0524	0.162	0.0868	0.119	0.764	0.112			
5	ND	0.508	0.919	0.193	*0.0423*	0.0857	0.0560	0.205	1.82	0.243			
6	0.146	0.132	0.0743	0.193	ND	1.82	0.178	0.0724	0.131	0.192			
7	0.170	ND	0.175	5.99	0.0454	0.967	5.25	4.14	0.115	0.129			
8	0.866	0.372	0.286	0.838	0.145	**10.7**	0.528	0.212	9.56	0.401			
9	ND	7.86	7.23	2.27	0.155	0.612	0.0736	0.126	**14.6**	2.79			
10	0.402	0.0660	0.0835	0.590	*0.0333*	0.913	0.0716	0.0888	2.96	0.152			
11	ND	0.0594	0.0795	1.22	0.0629	0.450	2.05	0.772	0.0963	0.118			
12													
13	--	--	--	--	--	--	--	--	--	--	--	--	--
14	--	--	--	--	--	--	--	--	--	--	--	--	--
15	--	--	--	--	--	--	--	--	--	--	--	--	--
16	--	--	--	--	--	--	--	--	--	--	--	--	--
17	0.911	--	0.327	--	0.0873	--	0.488	--	8.61	--	--	--	--
18	--	7.91	--	2.24	--	0.698	--	0.139	--	2.38	--	--	--
19	--	--	--	--	--	--	--	--	--	--	--	--	--
20	--	--	--	--	--	--	--	--	--	--	--	--	--
21													
22													
23	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**
24	0.237	ND	ND	0.598	0.0947	0.293	0.157	0.215	1.38	0.202			
25	ND	0.918	1.66	0.349	0.0765	0.155	0.101	0.371	3.29	0.439			
26	0.264	0.239	0.134	0.349	ND	3.29	0.322	0.131	0.237	0.347			
27	0.307	ND	0.316	10.8	0.0821	1.75	9.49	7.48	0.208	0.233			
28	1.57	0.672	0.517	1.51	0.262	19.3	0.954	0.383	17.3	0.725			
29	ND	14.2	13.1	4.10	0.280	1.11	0.133	0.228	26.4	5.04			
30	0.727	0.119	0.151	1.07	0.0602	1.65	0.129	0.160	5.35	0.275			
31	ND	0.107	0.144	2.21	0.114	0.813	3.71	1.40	0.174	0.213			
32													
33	--	--	--	--	--	--	--	--	--	--	--	--	--
34	--	--	--	--	--	--	--	--	--	--	--	--	--
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	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI
37	1.65	--	0.591	--	0.158	--	0.882	--	15.6	--	--	--	--
38	--	14.3	--	4.05	--	1.26	--	0.251	--	4.30	--	--	--
39	--	--	--	--	--	--	--	--	--	--	--	--	--
40	--	--	--	--	--	--	--	--	--	--	--	--	--
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42													
43													
44													
45	0.0409	0.0409	0.0409	0.0409	0.0409	0.0409	0.0409	0.0409	0.0409	0.0409	0.0409	0.0409	0.0409
46													
47	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**	**(µg/m^3)**
48	0.237	0.0409	0.0409	0.598	0.0947	0.293	0.157	0.215	1.38	0.202			
49	0.0409	0.918	1.66	0.349	0.0409	0.155	0.101	0.371	3.29	0.439			
50	0.264	0.239	0.134	0.349	0.0409	3.29	0.322	0.131	0.237	0.347			
51	0.307	0.0409	0.316	10.8	0.0821	1.75	9.49	7.48	0.208	0.233			
52	1.57	0.672	0.517	1.51	0.262	19.3	0.954	0.383	17.3	0.725			
53	0.0409	14.2	13.1	4.10	0.280	1.11	0.133	0.228	26.4	5.04			
54	0.727	0.119	0.151	1.07	0.0409	1.65	0.129	0.160	5.35	0.275			
55	0.0409	0.107	0.144	2.21	0.114	0.813	3.71	1.40	0.174	0.213			
56													
57													
58													
59													
60													
61	1.65		0.591		0.158		0.882		15.6				
62		14.3		4.05		1.26		0.251		4.30			
63													
64													
65													
66													
67	**RPD**	**RPD**	**RPD**	**RPD**	**RPD**	**RPD**	**RPD**	**RPD**	**RPD**	**RPD**	**RPD**	**RPD**	**RPD**
68													
69	--	--	--	--	--	--	--	--	--	--	--	--	--
70	--	--	--	--	--	--	--	--	--	--	--	--	--
71	--	--	--	--	--	--	--	--	--	--	--	--	--
72	--	--	--	--	--	--	--	--	--	--	--	--	--

	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI
73	5.1%	--	13.4%	--	NA	--	7.9%	--	10.5%	--	--	--	--
74	--	0.6%	--	1.3%	--	13.1%	--	9.8%	--	15.9%	--	--	--
75	--	--	--	--	--	--	--	--	--	--	--	--	--
76	--	--	--	--	--	--	--	--	--	--	--	--	--
77	5.1%	0.6%	13.4%	1.3%	NA	13.1%	7.9%	9.8%	10.5%	15.9%			
78	3.6%	0.4%	9.5%	0.9%	NA	9.3%	5.6%	6.9%	7.4%	11.2%			
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	AJ	AK
1	**20-Feb-19**	**23-Feb-19**
2	**21-Feb-19**	**24-Feb-19**
3	**(ppbv)**	**(ppbv)**
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12		
13	--	--
14	--	--
15	--	--
16	--	--
17	--	--
18	--	--
19	--	--
20	--	--
21		
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23	**(μg/m^3)**	**(μg/m^3)**
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27		
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34	--	--
35	--	--
36	--	--

	AJ	AK
37	--	--
38	--	--
39	--	--
40	--	--
41		
42		
43		
44		
45	0.0409	0.0409
46		
47	**(µg/m^3)**	**(µg/m^3)**
48		
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67	**RPD**	**RPD**
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71	--	--
72	--	--

	AJ	AK
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SAMPLENAME	LABSAMPID	SAMPDATE	PREPDATE	ANADATE	ANALYTE	CASNUMBER
WB Trip Blank	8111508-04	11/14/2018	11/14/2018	11/27/2018	Ethylene oxide	75-21-8
Trip Blank	8121130-10	12/6/2018	12/6/2018	12/28/2018	Ethylene oxide	75-21-8
Trip Blank	8121821-02	12/14/2018	12/14/2018	12/28/2018	Ethylene oxide	75-21-8
WB Trip Blank	9012401-10	1/23/2019	1/23/2019	2/1/2019	Ethylene oxide	75-21-8
Trip Blank	9020508-07	2/2/2019	2/2/2019	2/13/2019	Ethylene oxide	75-21-8

RESULT	ANOTE	DL	UNITS	LABNAME
ND	U	0.0453	ppbv	Eastern Research Group
ND	A-01	0.0453	ppbv	Eastern Research Group
ND	U	0.0453	ppbv	Eastern Research Group
ND	U	0.0453	ppbv	Eastern Research Group
ND	U	0.0453	ppbv	Eastern Research Group

COMMENT

Trip Blank passed blank criteria; standard dilution system air used to fill trip blank appears to have small amount of TO-15

	A	B	C	D	E	F	G
1	**SOURCEID**	**QCTYPE**	**PREPDATE**	**ANADATE**	**ANALYTE**	**RESULT**	**ANOTE**
2	8112012-02	Replicate	11/17/2018	11/27/2018	Ethylene oxide	0.999	
3	8112012-03	Replicate	11/17/2018	11/27/2018	Ethylene oxide	1.03	
4	8112113-01	Replicate	11/20/2018	11/27/2018	Ethylene oxide	3.37	
5	8112113-02	Replicate	11/20/2018	11/27/2018	Ethylene oxide	3.4	
6	B8K2604-BLK1	Blank	11/20/2018	11/26/2018	Ethylene oxide	ND	U
7	B8K2704-BLK1	Blank	11/20/2018	11/27/2018	Ethylene oxide	ND	U
8	1811061-CCV1	Calibration Check	11/26/2018	11/26/2018	Ethylene oxide	2.79	
9	1811063-CCV1	Calibration Check	11/27/2018	11/27/2018	Ethylene oxide	2.74	
10	8112702-07	Replicate	11/24/2018	11/30/2018	Ethylene oxide	ND	U
11	B8K2905-BLK1	Blank	11/26/2018	11/29/2018	Ethylene oxide	ND	U
12	1811073-CCV1	Calibration Check	11/29/2018	11/29/2018	Ethylene oxide	2.67	
13	8120321-02	Replicate	11/29/2018	12/20/2018	Ethylene oxide	0.584	
14	8120321-01	Replicate	11/29/2018	12/20/2018	Ethylene oxide	0.137	
15	B8L2003-BLK1	Blank	12/13/2018	12/20/2018	Ethylene oxide	ND	U
16	1812045-CCV1	Calibration Check	12/20/2018	12/20/2018	Ethylene oxide	2.06	
17	8120701-08	Replicate	12/2/2018	12/22/2018	Ethylene oxide	0.93	
18	8120701-09	Replicate	12/2/2018	12/22/2018	Ethylene oxide	1.02	
19	B8L2103-BLK1	Blank	12/18/2018	12/21/2018	Ethylene oxide	ND	U
20	1812046-CCV1	Calibration Check	12/21/2018	12/21/2018	Ethylene oxide	2.1	
21	8121130-01	Replicate	12/7/2018	12/27/2018	Ethylene oxide	6.36	
22	8121130-02	Replicate	12/7/2018	12/27/2018	Ethylene oxide	6.2	
23	8121130-12	Replicate	12/8/2018	12/28/2018	Ethylene oxide	0.413	
24	8121130-13	Replicate	12/8/2018	12/28/2018	Ethylene oxide	0.465	
25	8121220-08	Replicate	12/11/2018	12/27/2018	Ethylene oxide	0.117	
26	8121220-09	Replicate	12/11/2018	12/27/2018	Ethylene oxide	0.211	
27	8121821-03	Replicate	12/14/2018	12/28/2018	Ethylene oxide	1.05	
28	8121821-04	Replicate	12/14/2018	12/28/2018	Ethylene oxide	1.13	
29	8121821-10	Replicate	12/17/2018	1/3/2019	Ethylene oxide	1.15	
30	8121821-17	Replicate	12/17/2018	1/3/2019	Ethylene oxide	1.07	
31	8122101-01	Replicate	12/20/2018	1/3/2019	Ethylene oxide	0.215	
32	8122101-07	Replicate	12/20/2018	1/3/2019	Ethylene oxide	0.249	
33	8122701-03	Replicate	12/23/2018	1/4/2019	Ethylene oxide	1.69	
34	8122701-04	Replicate	12/23/2018	1/4/2019	Ethylene oxide	1.56	
35	8122801-08	Replicate	12/27/2018	1/5/2019	Ethylene oxide	6.1	
36	8122801-09	Replicate	12/27/2018	1/5/2019	Ethylene oxide	6.1	
37		Blank	12/18/2018	12/26/2018	Ethylene oxide	ND	U
38		Blank	12/18/2018	12/27/2018	Ethylene oxide	ND	U
39		Blank	12/18/2018	12/28/2018	Ethylene oxide	ND	U
40		Blank	12/18/2018	1/2/2019	Ethylene oxide	ND	U
41		Blank	12/28/2018	1/3/2019	Ethylene oxide	ND	U
42		Blank	12/28/2018	1/4/2019	Ethylene oxide	ND	U
43		Calibration Check	12/21/2018	12/21/2018	Ethylene oxide	2.1	
44		Calibration Check	12/26/2018	12/26/2018	Ethylene oxide	2.01	
45		Calibration Check	12/27/2018	12/27/2018	Ethylene oxide	1.82	
46		Calibration Check	12/28/2018	12/28/2018	Ethylene oxide	1.79	
47		Calibration Check	1/2/2019	1/2/2019	Ethylene oxide	1.84	
48		Calibration Check	1/3/2019	1/3/2019	Ethylene oxide	1.93	
49		Calibration Check	1/4/2019	1/4/2019	Ethylene oxide	1.99	
50	8123125-05	Replicate	12/29/2018	1/8/2019	Ethylene oxide	0.686	
51	8123125-06	Replicate	12/29/2018	1/8/2019	Ethylene oxide	0.647	

	A	B	C	D	E	F	G
52		Blank	12/28/2018	1/4/2019	Ethylene oxide	ND	U
53		Blank	1/3/2019	1/8/2019	Ethylene oxide	ND	U
54		Calibration Check	1/4/2019	1/4/2019	Ethylene oxide	1.99	
55		Calibration Check	1/8/2019	1/8/2019	Ethylene oxide	2.49	
56	9010401-04	Replicate	1/3/2019	1/15/2019	Ethylene oxide	0.229	
57	9010401-09	Replicate	1/3/2019	1/15/2019	Ethylene oxide	0.171	
58		Blank	1/11/2019	1/15/2019	Ethylene oxide	ND	U
59		Calibration Check	1/15/2019	1/15/2019	Ethylene oxide	2.24	
60	9010716-05	Replicate	1/4/2019	1/17/2019	Ethylene oxide	0.208	
61	9010808-05	Replicate	1/4/2019	1/17/2019	Ethylene oxide	0.168	
62	9010808-06	Replicate	1/7/2019	1/17/2019	Ethylene oxide	4.04	
63	9010808-07	Replicate	1/7/2019	1/17/2019	Ethylene oxide	3.84	
64	9011101-07	Replicate	1/10/2019	1/18/2019	Ethylene oxide	0.437	
65	9011101-08	Replicate	1/10/2019	1/18/2019	Ethylene oxide	0.347	
66	9011527-01	Replicate	1/13/2019	1/18/2019	Ethylene oxide	0.952	
67	9011527-02	Replicate	1/13/2019	1/18/2019	Ethylene oxide	0.962	
68	9011701-08	Replicate	1/16/2019	1/23/2019	Ethylene oxide	8.02	
69	9011701-09	Replicate	1/16/2019	1/23/2019	Ethylene oxide	7.73	
70	9012221-08	Replicate	1/18/2019	1/24/2019	Ethylene oxide	0.246	
71	9012221-09	Replicate	1/18/2019	1/24/2019	Ethylene oxide	0.321	
72		Blank	1/11/2019	1/15/2019	Ethylene oxide	ND	U
73		Blank	1/14/2019	1/16/2019	Ethylene oxide	ND	U
74		Blank	1/14/2019	1/17/2019	Ethylene oxide	ND	U
75		Blank	1/14/2019	1/18/2019	Ethylene oxide	ND	U
76		Blank	1/16/2019	1/23/2019	Ethylene oxide	ND	U
77		Calibration Check	1/15/2019	1/15/2019	Ethylene oxide	2.24	
78		Calibration Check	1/16/2019	1/16/2019	Ethylene oxide	2.38	
79		Calibration Check	1/17/2019	1/17/2019	Ethylene oxide	2.53	
80		Calibration Check	1/18/2019	1/18/2019	Ethylene oxide	2.39	
81		Calibration Check	1/23/2019	1/23/2019	Ethylene oxide	1.85	
82	9012401-04	Replicate	1/23/2019	1/31/2019	Ethylene oxide	2.14	
83	9012401-05	Replicate	1/23/2019	1/31/2019	Ethylene oxide	2.21	
84	9012816-04	Replicate	1/25/2019	2/1/2019	Ethylene oxide	0.164	
85	9012816-05	Replicate	1/25/2019	2/1/2019	Ethylene oxide	0.055	
86	9013003-06	Replicate	1/28/2019	2/2/2019	Ethylene oxide	0.678	
87	9013003-07	Replicate	1/28/2019	2/2/2019	Ethylene oxide	0.658	
88	9020508-03	Replicate	2/2/2019	2/7/2019	Ethylene oxide	0.563	
89	9020508-13	Replicate	2/3/2019	2/13/2019	Ethylene oxide	0.129	
90	9020508-14	Replicate	2/3/2019	2/13/2019	Ethylene oxide	0.154	
91	9020508-19	Replicate	2/2/2019	2/7/2019	Ethylene oxide	0.498	
92	9020702-03	Replicate	2/6/2019	2/14/2019	Ethylene oxide	8.66	
93	9020702-04	Replicate	2/6/2019	2/14/2019	Ethylene oxide	9.31	
94	9021313-06	Replicate	2/9/2019	2/15/2019	Ethylene oxide	2.67	
95	9021313-07	Replicate	2/9/2019	2/15/2019	Ethylene oxide	2.33	
96		Blank	1/25/2019	1/31/2019	Ethylene oxide	ND	U
97		Blank	1/31/2019	2/1/2019	Ethylene oxide	ND	U
98		Blank	2/6/2019	2/7/2019	Ethylene oxide	ND	U
99		Blank	2/6/2019	2/13/2019	Ethylene oxide	ND	U
100		Blank	2/14/2019	2/15/2019	Ethylene oxide	ND	U
101		Calibration Check	1/31/2019	1/31/2019	Ethylene oxide	1.96	
102		Calibration Check	2/1/2019	2/1/2019	Ethylene oxide	1.94	

	A	B	C	D	E	F	G
103		Calibration Check	2/7/2019	2/7/2019	Ethylene oxide	1.96	
104		Calibration Check	2/13/2019	2/13/2019	Ethylene oxide	2.5	
105		Calibration Check	2/15/2019	2/15/2019	Ethylene oxide	2.21	
106							
107							
108							
109							
110							

	H	I	J	K	L	M	N
1	**SOURCERES**	**SPIKELEVEL**	**RECOVERY**	**RPD**		**DL**	**UNITS**
2	1			0.06		0.0453	ppbv
3	1			2.4		0.0453	ppbv
4	3.38			0.329		0.0453	ppbv
5	3.49			2.42		0.0453	ppbv
6						0.0453	ppbv
7						0.0453	ppbv
8		2.55	110				ppbv
9		2.5	110				ppbv
10	ND					0.0453	ppbv
11						0.0453	ppbv
12		2.5	107				ppbv
13	0.631			7.8		0.0453	ppbv
14	0.137			0		0.0453	ppbv
15						0.0453	ppbv
16		2.5	82.3				ppbv
17	0.931			1.14		0.0453	ppbv
18	1.05			2.87		0.0453	ppbv
19						0.0453	ppbv
20		2.5	83.9				ppbv
21	6.48			1.89		0.0453	ppbv
22	5.81			6.38		0.0453	ppbv
23	0.408			1.22		0.0453	ppbv
24	0.455			2.24		0.0453	ppbv
25	0.149			24		0.0453	ppbv
26	0.223			5.54		0.0453	ppbv
27	1.13			7.17		0.0453	ppbv
28	1.18			4.72		0.0453	ppbv
29	1.17			1.17		0.0453	ppbv
30	1.21			11.9		0.0453	ppbv
31	0.187			13.8		0.0453	ppbv
32	0.288			14.5		0.0453	ppbv
33	1.71			0.824		0.0453	ppbv
34	1.42			9.48		0.0453	ppbv
35	5.99			1.87		0.0453	ppbv
36	5.82			4.69		0.0453	ppbv
37						0.0453	ppbv
38						0.0453	ppbv
39						0.0453	ppbv
40						0.0453	ppbv
41						0.0453	ppbv
42						0.0453	ppbv
43		2.5	83.9				ppbv
44		2.5	80.6				ppbv
45		2.5	72.9				ppbv
46		2.5	71.7				ppbv
47		2.5	73.5				ppbv
48		2.5	77.3				ppbv
49		2.5	79.8				ppbv
50	0.788			13.8		0.0453	ppbv
51	0.658			1.59		0.0453	ppbv

	H	I	J	K	L	M	N
52						0.0453	ppbv
53						0.0453	ppbv
54		2.5	79.8				ppbv
55		2.5	99.6				ppbv
56	0.219			4.6		0.0453	ppbv
57	0.131			26		0.0453	ppbv
58						0.0453	ppbv
59		2.5	89.6				ppbv
60	0.142			37.8		0.0453	ppbv
61	0.206			20.4		0.0453	ppbv
62	4.2			3.94		0.0453	ppbv
63	3.66			4.78		0.0453	ppbv
64	0.362			18.9		0.0453	ppbv
65	0.379			8.78		0.0453	ppbv
66	0.866			9.47		0.0453	ppbv
67	0.911			5.36		0.0453	ppbv
68	7.86			2.02		0.0453	ppbv
69	7.91			2.42		0.0453	ppbv
70	0.286			15.1		0.0453	ppbv
71	0.327			1.82		0.0453	ppbv
72						0.0453	ppbv
73						0.0453	ppbv
74						0.0453	ppbv
75						0.0453	ppbv
76						0.0453	ppbv
77		2.5	89.6				ppbv
78		2.5	95.3				ppbv
79		2.5	101				ppbv
80		2.5	95.6				ppbv
81		2.5	74.2				ppbv
82	2.27			6.24		0.0453	ppbv
83	2.24			1.16		0.0453	ppbv
84	0.145			12.2		0.0453	ppbv
85	0.0873			45.4		0.0453	ppbv
86	0.612			10.3		0.0453	ppbv
87	0.698			5.89		0.0453	ppbv
88	0.528			6.36		0.0453	ppbv
89	0.126			2.28		0.0453	ppbv
90	0.139			9.96		0.0453	ppbv
91	0.488			2.15		0.0453	ppbv
92	9.56			9.89		0.0453	ppbv
93	8.61			7.81		0.0453	ppbv
94	2.79			4.47		0.0453	ppbv
95	2.38			2.12		0.0453	ppbv
96						0.0453	ppbv
97						0.0453	ppbv
98						0.0453	ppbv
99						0.0453	ppbv
100						0.0453	ppbv
101		2.5	78.3				ppbv
102		2.5	77.7				ppbv

	H	I	J	K	L	M	N
103		2.5	78.4				ppbv
104		2.5	100				ppbv
105		2.5	88.6				ppbv
106							
107							
108							
109							
110			**Average Replicate RPD**	**7.989314815**			

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QUALIFIER
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A-01

DESCRIPTION
Under Detection Limit
Trip Blank passed blank criteria; standard dilution system air used to fill trip blank appears to have small amount of TO-15