

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052819\
 Data File : VU032323.D
 Acq On : 28 May 2019 12:59
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV58

Quant Time: May 29 05:22:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 29 05:19:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	827359	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	837320	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	421647	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	293970	48.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.40%
7) Chloroethane-d5	1.67	69	230867	46.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.76%
11) 1,1-Dichloroethene-d2	2.27	63	524141	48.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.76%
21) 2-Butanone-d5	4.17	46	409117	101.93	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.93%
24) Chloroform-d	4.64	84	519262	48.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.30%
26) 1,2-Dichloroethane-d4	5.30	65	307594	48.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.40%
32) Benzene-d6	5.33	84	1075610	48.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.96%
36) 1,2-Dichloropropane-d6	6.32	67	326281	47.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.72%
41) Toluene-d8	7.56	98	1011304	49.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.70%
43) trans-1,3-Dichloropropene-	7.85	79	156862	50.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.50%
47) 2-Hexanone-d5	8.31	63	297684	104.08	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.08%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	495333	47.55	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.10%
64) 1,2-Dichlorobenzene-d4	11.85	152	405200	47.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.26%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	321547	50.091	ug/L 97
3) Chloromethane	1.33	50	333135	48.973	ug/L 98
5) Vinyl chloride	1.40	62	347393	50.075	ug/L 97
6) Bromomethane	1.61	94	231931	52.278	ug/L 99
8) Chloroethane	1.69	64	203514	48.505	ug/L 99
9) Trichlorofluoromethane	1.88	101	437509	50.283	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	264020	50.278	ug/L 99
12) 1,1-Dichloroethene	2.28	96	263313	49.167	ug/L 99
13) Acetone	2.32	43	383470	101.383	ug/L 98
14) Carbon disulfide	2.47	76	812121	50.538	ug/L 99
15) Methyl Acetate	2.61	43	303157	50.154	ug/L 99
16) Methylene chloride	2.69	84	308574	49.430	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	281252	50.978	ug/L 96
18) Methyl tert-butyl Ether	2.99	73	858010	51.366	ug/L 99
19) 1,1-Dichloroethane	3.44	63	501438	50.037	ug/L 97
20) cis-1,2-Dichloroethene	4.22	96	319617	51.683	ug/L 96
22) 2-Butanone	4.26	43	484509	106.361	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	159485	48.876	ug/L	96
25) Chloroform	4.67	83	518493	49.742	ug/L	100
27) 1,2-Dichloroethane	5.40	62	384459	49.552	ug/L	99
29) Cyclohexane	4.99	56	446299	52.189	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	436010	49.711	ug/L	99
31) Carbon tetrachloride	5.13	117	373627	49.748	ug/L	99
33) Benzene	5.38	78	1161304	49.560	ug/L	100
34) Trichloroethene	6.18	95	310826	51.343	ug/L	99
35) Methylcyclohexane	6.41	83	470320	51.131	ug/L	99
37) 1,2-Dichloropropane	6.43	63	295273	48.245	ug/L	99
38) Bromodichloromethane	6.75	83	388829	49.436	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	473129	52.303	ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	830784	104.069	ug/L	99
42) Toluene	7.63	91	1296594	50.825	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	417521	52.700	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	296794	49.596	ug/L	98
46) Tetrachloroethene	8.22	164	242778	49.363	ug/L	99
48) 2-Hexanone	8.36	43	710889	109.157	ug/L	99
49) Dibromochloromethane	8.47	129	321131	49.546	ug/L	99
50) 1,2-Dibromoethane	8.58	107	318699	50.488	ug/L	99
51) Chlorobenzene	9.12	112	822644	50.015	ug/L	99
52) Ethylbenzene	9.24	91	1410339	51.785	ug/L	99
53) m,p-Xylene	9.37	106	553857	52.857	ug/L	100
54) o-xylene	9.77	106	546875	52.001	ug/L	97
55) Styrene	9.79	104	949881	53.839	ug/L	99
56) Isopropylbenzene	10.16	105	1401879	52.532	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	504174	48.793	ug/L	97
59) 1,2,3-Trichloropropane	10.49	75	397362	48.945	ug/L	99
61) Bromoform	9.95	173	252348	46.987	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	646225	50.030	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	674187	50.569	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	679072	49.941	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	113296	50.850	ug/L	94
67) 1,3,5-Trichlorobenzene	12.88	180	504872	52.398	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	431995	58.344	ug/L	98
69) Naphthalene	13.74	128	1481207	66.819	ug/L	99
70) 1,2,3-Trichlorobenzene	13.98	180	469612	58.639	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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