

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081319\
 Data File : VU033780.D
 Acq On : 13 Aug 2019 11:17
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV32

Quant Time: Aug 14 04:20:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM081319W.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 14 04:16:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	452584	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	437663	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	230526	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	204329	47.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.06%
7) Chloroethane-d5	1.67	69	207148	51.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.48%
11) 1,1-Dichloroethene-d2	2.26	63	331689	47.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.50%
21) 2-Butanone-d5	4.16	46	247995	103.71	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.71%
24) Chloroform-d	4.62	84	317133	47.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.48%
26) 1,2-Dichloroethane-d4	5.29	65	198306	47.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.44%
32) Benzene-d6	5.32	84	637924	50.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.76%
36) 1,2-Dichloropropane-d6	6.31	67	202255	49.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.84%
41) Toluene-d8	7.55	98	601953	51.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.96%
43) trans-1,3-Dichloropropene-	7.83	79	100333	51.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.78%
47) 2-Hexanone-d5	8.30	63	181879	112.18	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.18%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	284355	49.17	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.34%
66) 1,2-Dichlorobenzene-d4	11.84	152	238531	51.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.44%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	210412	46.639	ug/L 99
3) Chloromethane	1.32	50	214059	45.700	ug/L 100
5) Vinyl chloride	1.39	62	237909	46.904	ug/L 98
6) Bromomethane	1.62	94	165248	44.385	ug/L 98
8) Chloroethane	1.69	64	172301	47.530	ug/L 98
9) Trichlorofluoromethane	1.87	101	295959	45.410	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	149568	46.888	ug/L 97
12) 1,1-Dichloroethene	2.27	96	145608	46.394	ug/L 99
13) Acetone	2.32	43	209634	96.248	ug/L 100
14) Carbon disulfide	2.46	76	466094	46.910	ug/L 100
15) Methyl Acetate	2.60	43	166116	45.626	ug/L 98
16) Methylene chloride	2.68	84	165445	46.173	ug/L 97
17) trans-1,2-Dichloroethene	2.96	96	152263	46.617	ug/L 98
18) Methyl tert-butyl Ether	2.98	73	470156	48.424	ug/L 100
19) 1,1-Dichloroethane	3.42	63	286777	45.695	ug/L 98
20) cis-1,2-Dichloroethene	4.20	96	170669	47.585	ug/L 100
22) 2-Butanone	4.24	43	256714	97.021	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	87844	47.267	ug/L	98
25) Chloroform	4.65	83	294663	45.177	ug/L	99
27) 1,2-Dichloroethane	5.38	62	233346	46.056	ug/L	98
29) Cyclohexane	4.97	56	246944	51.336	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	251917	46.928	ug/L	99
31) Carbon tetrachloride	5.11	117	227219	47.658	ug/L	98
33) Benzene	5.37	78	647835	48.381	ug/L	100
34) Trichloroethene	6.16	95	166897	47.048	ug/L	98
35) Methylcyclohexane	6.40	83	264292	51.116	ug/L	98
37) 1,2-Dichloropropane	6.41	63	172749	47.346	ug/L	100
38) Bromodichloromethane	6.74	83	221370	47.021	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	273455	50.772	ug/L	98
40) 4-Methyl-2-pentanone	7.44	43	457882	100.862	ug/L	99
42) Toluene	7.62	91	697144	49.296	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	247259	50.402	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	160514	46.614	ug/L	98
46) Tetrachloroethene	8.21	164	137364	49.373	ug/L	99
48) 2-Hexanone	8.34	43	373064	107.360	ug/L	100
49) Dibromochloromethane	8.46	129	185753	48.318	ug/L	98
50) 1,2-Dibromoethane	8.57	107	175205	48.501	ug/L	98
51) Chlorobenzene	9.10	112	444440	48.289	ug/L	98
52) Ethylbenzene	9.23	91	750395	50.426	ug/L	100
53) m,p-Xylene	9.36	106	286554	51.513	ug/L	99
54) o-xylene	9.76	106	280239	51.208	ug/L	99
55) Styrene	9.77	104	486525	52.371	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.44	83	272717	47.353	ug/L	99
59) Bromoform	9.94	173	139307	47.300	ug/L	100
60) 1,2,3-Trichloropropane	10.48	75	217606	46.914	ug/L	99
61) Isopropylbenzene	10.15	105	727403	50.969	ug/L	99
62) 1,3,5-Trimethylbenzene	10.76	105	613394	53.239	ug/L	99
63) 1,2,4-Trimethylbenzene	11.13	105	613258	53.644	ug/L	100
64) 1,3-Dichlorobenzene	11.40	146	359082	50.154	ug/L	99
65) 1,4-Dichlorobenzene	11.49	146	368189	50.175	ug/L	100
67) 1,2-Dichlorobenzene	11.86	146	359976	49.478	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.64	75	63594	49.161	ug/L	100
69) 1,3,5-Trichlorobenzene	12.87	180	282040	52.152	ug/L	100
70) 1,2,4-trichlorobenzene	13.49	180	252987	56.403	ug/L	99
71) Naphthalene	13.73	128	800075	59.924	ug/L	99
72) 1,2,3-Trichlorobenzene	13.97	180	260521	55.409	ug/L	99

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

