

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU020720\
 Data File : VU036700.D
 Acq On : 07 Feb 2020 14:07
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050109

Quant Time: Feb 07 22:41:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM020620W.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 07 22:36:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	262823	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	248827	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.83	152	115630	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	76738	43.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.56%
7) Chloroethane-d5	1.93	69	74406	45.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.56%
11) 1,1-Dichloroethene-d2	2.59	63	153363	46.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.68%
21) 2-Butanone-d5	4.67	46	125215	83.73	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.73%
24) Chloroform-d	5.11	84	149845	47.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.48%
26) 1,2-Dichloroethane-d4	5.75	65	102938	47.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.88%
32) Benzene-d6	5.77	84	312829	47.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.64%
36) 1,2-Dichloropropane-d6	6.73	67	104648	48.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.38%
41) Toluene-d8	7.93	98	286886	47.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.78%
43) trans-1,3-Dichloropropene-	8.21	79	50354	48.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.86%
47) 2-Hexanone-d5	8.66	63	119032	96.04	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.04%
56) 1,1,2,2-Tetrachloroethane-	10.78	84	156172	48.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.60%
66) 1,2-Dichlorobenzene-d4	12.21	152	100692	47.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.86%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	87985	48.454	ug/L 99
3) Chloromethane	1.54	50	101763	47.291	ug/L 99
5) Vinyl chloride	1.62	62	113858	49.141	ug/L 99
6) Bromomethane	1.87	94	68595	47.217	ug/L 98
8) Chloroethane	1.95	64	70984	48.272	ug/L 98
9) Trichlorofluoromethane	2.16	101	132760	48.220	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	81174	49.223	ug/L 99
12) 1,1-Dichloroethene	2.60	96	78472	48.878	ug/L 96
13) Acetone	2.66	43	143723	90.474	ug/L 100
14) Carbon disulfide	2.82	76	230082	47.957	ug/L 99
15) Methyl Acetate	2.98	43	110119	47.950	ug/L 99
16) Methylene chloride	3.08	84	97145	49.024	ug/L 97
17) trans-1,2-Dichloroethene	3.39	96	83614	48.948	ug/L 98
18) Methyl tert-butyl Ether	3.41	73	288469	48.657	ug/L 99
19) 1,1-Dichloroethane	3.91	63	166786	49.003	ug/L 98
20) cis-1,2-Dichloroethene	4.71	96	96628	49.645	ug/L 99
22) 2-Butanone	4.75	43	174024	92.302	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	44522	48.814	ug/L	99
25) Chloroform	5.13	83	167655	50.649	ug/L	99
27) 1,2-Dichloroethane	5.84	62	134440	48.295	ug/L	100
29) Cyclohexane	5.43	56	153679	48.081	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	129932	49.157	ug/L	99
31) Carbon tetrachloride	5.56	117	104803	48.969	ug/L	99
33) Benzene	5.81	78	369998	49.162	ug/L	100
34) Trichloroethene	6.58	95	92079	49.475	ug/L	97
35) Methylcyclohexane	6.80	83	161106	49.154	ug/L	100
37) 1,2-Dichloropropane	6.83	63	100675	49.607	ug/L	99
38) Bromodichloromethane	7.14	83	120173	48.728	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	155980	48.103	ug/L	100
40) 4-Methyl-2-pentanone	7.83	43	304336	94.914	ug/L	99
42) Toluene	8.00	91	405064	49.808	ug/L	99
44) trans-1,3-Dichloropropene	8.24	75	141752	50.040	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	90452	48.856	ug/L	98
46) Tetrachloroethene	8.58	164	62039	47.503	ug/L	97
48) 2-Hexanone	8.72	43	248866	95.145	ug/L	99
49) Dibromochloromethane	8.84	129	88237	48.727	ug/L	99
50) 1,2-Dibromoethane	8.95	107	94665	48.671	ug/L	100
51) Chlorobenzene	9.47	112	237257	48.450	ug/L	100
52) Ethylbenzene	9.60	91	440657	49.313	ug/L	100
53) m,p-Xylene	9.72	106	162790	49.383	ug/L	99
54) o-xylene	10.12	106	159748	48.918	ug/L	98
55) Styrene	10.14	104	271015	49.796	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.81	83	162930	48.838	ug/L	99
59) Bromoform	10.32	173	60546	47.394	ug/L	100
60) 1,2,3-Trichloropropane	10.85	75	128082	47.090	ug/L	99
61) Isopropylbenzene	10.51	105	424503	49.303	ug/L	100
62) 1,3,5-Trimethylbenzene	11.11	105	365078	49.456	ug/L	99
63) 1,2,4-Trimethylbenzene	11.49	105	360235	48.871	ug/L	100
64) 1,3-Dichlorobenzene	11.77	146	177172	48.931	ug/L	99
65) 1,4-Dichlorobenzene	11.86	146	176171	48.327	ug/L	99
67) 1,2-Dichlorobenzene	12.23	146	176456	48.132	ug/L	100
68) 1,2-Dibromo-3-chloropropan	13.01	75	35869	46.146	ug/L	95
69) 1,3,5-Trichlorobenzene	13.23	180	123406	49.149	ug/L	100
70) 1,2,4-trichlorobenzene	13.85	180	102149	48.789	ug/L	100
71) Naphthalene	14.10	128	362990	49.185	ug/L	100
72) 1,2,3-Trichlorobenzene	14.34	180	100712	48.283	ug/L	99

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

