

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051120\
 Data File : VU038098.D
 Acq On : 11 May 2020 11:05
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05037

Quant Time: May 12 00:58:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 07 13:50:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	685927	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	683759	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	339536	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	320887	53.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	106.38%
7) Chloroethane-d5	1.93	69	263508	53.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.38%
11) 1,1-Dichloroethene-d2	2.59	63	510325	51.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.42%
21) 2-Butanone-d5	4.66	46	448964	95.21	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.21%
24) Chloroform-d	5.10	84	481651	51.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.10%
26) 1,2-Dichloroethane-d4	5.74	65	324625	50.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.04%
32) Benzene-d6	5.76	84	1035062	51.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.72%
36) 1,2-Dichloropropane-d6	6.72	67	342406	51.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.48%
41) Toluene-d8	7.93	98	951059	51.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.88%
43) trans-1,3-Dichloropropene-	8.20	79	159045	50.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.52%
47) 2-Hexanone-d5	8.65	63	276433	95.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.12%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	462188	48.00	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	12.21	152	346175	48.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	263460	49.367	ug/L 100
3) Chloromethane	1.53	50	321382	47.518	ug/L 100
5) Vinyl chloride	1.62	62	328692	47.828	ug/L 99
6) Bromomethane	1.87	94	181886	55.567	ug/L 97
8) Chloroethane	1.95	64	201793	48.824	ug/L 100
9) Trichlorofluoromethane	2.16	101	353178	49.446	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	226262	51.543	ug/L 99
12) 1,1-Dichloroethene	2.60	96	218431	48.622	ug/L 94
13) Acetone	2.65	43	418812	137.890	ug/L 100
14) Carbon disulfide	2.82	76	686058	46.102	ug/L 98
15) Methyl Acetate	2.97	43	317280	47.978	ug/L 100
16) Methylene chloride	3.07	84	258933	48.897	ug/L 99
17) trans-1,2-Dichloroethene	3.39	96	237766	49.021	ug/L 98
18) Methyl tert-butyl Ether	3.40	73	784907	48.636	ug/L 100
19) 1,1-Dichloroethane	3.91	63	477566	49.427	ug/L 99
20) cis-1,2-Dichloroethene	4.71	96	266785	49.745	ug/L 98
22) 2-Butanone	4.74	43	527610	107.328	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	126896	50.302	ug/L	98
25) Chloroform	5.12	83	458623	49.448	ug/L	99
27) 1,2-Dichloroethane	5.83	62	372371	48.553	ug/L	100
29) Cyclohexane	5.42	56	443267	49.613	ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	376092	49.483	ug/L	99
31) Carbon tetrachloride	5.56	117	301217	50.204	ug/L	99
33) Benzene	5.81	78	1047110	48.987	ug/L	100
34) Trichloroethene	6.57	95	253949	48.994	ug/L	99
35) Methylcyclohexane	6.79	83	430460	49.440	ug/L	100
37) 1,2-Dichloropropane	6.82	63	281780	49.307	ug/L	100
38) Bromodichloromethane	7.13	83	340457	49.066	ug/L	100
39) cis-1,3-Dichloropropene	7.63	75	428893	48.959	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	876273	94.635	ug/L	99
42) Toluene	8.00	91	1102844	49.108	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	407626	49.840	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	253233	48.925	ug/L	99
46) Tetrachloroethene	8.58	164	180607	47.725	ug/L	97
48) 2-Hexanone	8.71	43	750961	98.413	ug/L	98
49) Dibromochloromethane	8.84	129	252241	50.532	ug/L	98
50) 1,2-Dibromoethane	8.95	107	269250	48.426	ug/L #	97
51) Chlorobenzene	9.47	112	696423	49.806	ug/L	99
52) Ethylbenzene	9.59	91	1236650	49.676	ug/L	100
53) m,p-Xylene	9.71	106	475595	50.316	ug/L	99
54) o-xylene	10.12	106	467410	50.226	ug/L	97
55) Styrene	10.13	104	790582	50.014	ug/L	100
56) Isopropylbenzene	10.50	105	1216011	50.748	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	440720	47.695	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	379131	47.847	ug/L	100
61) Bromoform	10.31	173	175967	48.469	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	536264	49.331	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	540931	49.246	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	531527	48.468	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	101414	44.304	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	387744	52.320	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	366644	51.614	ug/L	98
69) Naphthalene	14.12	128	1352047	49.610	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	368366	52.690	ug/L	100

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

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