

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031020\
 Data File : VV014790.D
 Acq On : 10 Mar 2020 09:38
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

Quant Time: Mar 11 01:56:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 10 14:44:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	415416	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	409066	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	220800	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	118231	42.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.12%
7) Chloroethane-d5	1.58	69	97569	43.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.80%
11) 1,1-Dichloroethene-d2	2.12	63	206480	44.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.40%
21) 2-Butanone-d5	3.94	46	192585	91.85	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.85%
24) Chloroform-d	4.38	84	267503	50.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.50%
26) 1,2-Dichloroethane-d4	5.06	65	172085	47.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.18%
32) Benzene-d6	5.07	84	527230	48.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.62%
36) 1,2-Dichloropropane-d6	6.09	67	162346	45.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.70%
41) Toluene-d8	7.34	98	509353	48.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.30%
43) trans-1,3-Dichloropropene-	7.64	79	83554	47.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.60%
47) 2-Hexanone-d5	8.11	63	157310	98.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.97%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	236422	48.01	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.02%
64) 1,2-Dichlorobenzene-d4	11.65	152	215764	49.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	203071	49.462	ug/L 99
3) Chloromethane	1.25	50	153497	42.448	ug/L 99
5) Vinyl chloride	1.32	62	146440	43.700	ug/L 97
6) Bromomethane	1.53	94	83793	40.290	ug/L 99
8) Chloroethane	1.60	64	82803	45.968	ug/L 95
9) Trichlorofluoromethane	1.76	101	223450	49.868	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	112415	48.734	ug/L 97
12) 1,1-Dichloroethene	2.13	96	103866	46.026	ug/L 99
13) Acetone	2.22	43	206191	117.785	ug/L 99
14) Carbon disulfide	2.31	76	331728	44.462	ug/L 99
15) Methyl Acetate	2.46	43	140879	42.836	ug/L 93
16) Methylene chloride	2.52	84	146839	47.911	ug/L 94
17) trans-1,2-Dichloroethene	2.78	96	137541	49.336	ug/L 93
18) Methyl tert-butyl Ether	2.79	73	448503	49.140	ug/L 97
19) 1,1-Dichloroethane	3.21	63	255583	46.937	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	156384	50.155	ug/L 92
22) 2-Butanone	4.02	43	257070	111.321	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.27	128	78701	49.579	ug/L	94
25) Chloroform	4.41	83	267257	47.377	ug/L	98
27) 1,2-Dichloroethane	5.16	62	211793	48.443	ug/L	96
29) Cyclohexane	4.70	56	236646	47.479	ug/L	93
30) 1,1,1-Trichloroethane	4.63	97	239453	50.489	ug/L	98
31) Carbon tetrachloride	4.85	117	212344	52.719	ug/L	100
33) Benzene	5.13	78	580118	48.952	ug/L	100
34) Trichloroethene	5.94	95	149543	48.286	ug/L	98
35) Methylcyclohexane	6.15	83	259152	50.692	ug/L	95
37) 1,2-Dichloropropane	6.20	63	144565	45.142	ug/L #	97
38) Bromodichloromethane	6.53	83	197470	48.474	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	234897	46.796	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	419465	90.386	ug/L #	95
42) Toluene	7.41	91	645044	49.337	ug/L	97
44) trans-1,3-Dichloropropene	7.67	75	213900	46.745	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	143108	48.521	ug/L	96
46) Tetrachloroethene	8.00	164	134153	52.943	ug/L	96
48) 2-Hexanone	8.16	43	362051	99.193	ug/L #	96
49) Dibromochloromethane	8.27	129	156470	48.674	ug/L	99
50) 1,2-Dibromoethane	8.37	107	158893	49.839	ug/L	98
51) Chlorobenzene	8.90	112	425358	50.565	ug/L	97
52) Ethylbenzene	9.03	91	740344	50.263	ug/L	99
53) m,p-Xylene	9.16	106	287889	52.082	ug/L	97
54) o-xylene	9.56	106	277730	51.149	ug/L	97
55) Styrene	9.58	104	478680	51.555	ug/L	98
56) Isopropylbenzene	9.95	105	744679	51.207	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	245400	48.306	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	196631	48.079	ug/L	99
61) Bromoform	9.75	173	109551	45.734	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	364341	51.027	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	360449	50.107	ug/L	98
65) 1,2-Dichlorobenzene	11.66	146	356719	50.181	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	57492	47.653	ug/L	93
67) 1,3,5-Trichlorobenzene	12.67	180	282664	51.187	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	254357	50.114	ug/L	99
69) Naphthalene	13.52	128	374485	49.010	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	254533	50.312	ug/L	98

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

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