

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120320\
 Data File : VV019472.D
 Acq On : 03 Dec 2020 22:13
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

Quant Time: Dec 04 08:06:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 04 08:04:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	311157	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	308589	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	166165	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	153858	49.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.02%
7) Chloroethane-d5	1.57	69	120765	47.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.50%
11) 1,1-Dichloroethene-d2	2.12	63	284650	51.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.92%
21) 2-Butanone-d5	3.89	46	186676	98.56	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.56%
24) Chloroform-d	4.37	84	283263	56.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.76%
26) 1,2-Dichloroethane-d4	5.05	65	191416	58.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.42%
32) Benzene-d6	5.07	84	546167	59.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	119.72%
36) 1,2-Dichloropropane-d6	6.09	67	180927	59.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	119.20%
41) Toluene-d8	7.33	98	471691	57.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	115.42%
43) trans-1,3-Dichloropropene-	7.64	79	86035	58.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	117.36%
47) 2-Hexanone-d5	8.10	63	118471	99.05	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.05%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	226488	57.64	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	115.28%
64) 1,2-Dichlorobenzene-d4	11.65	152	172128	53.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.68%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	93114	37.023	ug/L 99
3) Chloromethane	1.25	50	145446	43.002	ug/L 99
5) Vinyl chloride	1.32	62	141949	43.924	ug/L 99
6) Bromomethane	1.52	94	87522	41.541	ug/L 100
8) Chloroethane	1.59	64	92288	44.871	ug/L 98
9) Trichlorofluoromethane	1.76	101	177357	43.710	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	96058	44.022	ug/L 94
12) 1,1-Dichloroethene	2.13	96	103984	45.773	ug/L 81
13) Acetone	2.17	43	138600	95.700	ug/L 94
14) Carbon disulfide	2.31	76	319700	48.485	ug/L 99
15) Methyl Acetate	2.44	43	168715	57.535	ug/L 96
16) Methylene chloride	2.52	84	138151	52.503	ug/L 94
17) trans-1,2-Dichloroethene	2.78	96	117359	52.233	ug/L 92
18) Methyl tert-butyl Ether	2.78	73	405397	56.741	ug/L 96
19) 1,1-Dichloroethane	3.21	63	260463	56.515	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	132991	53.862	ug/L 89
22) 2-Butanone	3.97	43	226345	117.844	ug/L 92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	66556	50.897	ug/L	87
25) Chloroform	4.40	83	257063	55.177	ug/L	99
27) 1,2-Dichloroethane	5.15	62	214575	58.699	ug/L	97
29) Cyclohexane	4.70	56	176358	54.595	ug/L	95
30) 1,1,1-Trichloroethane	4.63	97	209053	56.084	ug/L	97
31) Carbon tetrachloride	4.85	117	167300	52.281	ug/L	99
33) Benzene	5.12	78	541791	58.667	ug/L	100
34) Trichloroethene	5.94	95	135363	52.561	ug/L	98
35) Methylcyclohexane	6.15	83	158143	52.184	ug/L	97
37) 1,2-Dichloropropane	6.19	63	153577	60.292	ug/L	98
38) Bromodichloromethane	6.53	83	194374	57.556	ug/L	96
39) cis-1,3-Dichloropropene	7.05	75	222367	59.100	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	462410	128.741	ug/L	97
42) Toluene	7.41	91	541074	56.480	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	222769	59.440	ug/L	97
45) 1,1,2-Trichloroethane	7.86	97	134841	56.532	ug/L	99
46) Tetrachloroethene	7.99	164	85309	47.696	ug/L	94
48) 2-Hexanone	8.15	43	358808	126.129	ug/L	96
49) Dibromochloromethane	8.26	129	139717	53.000	ug/L	99
50) 1,2-Dibromoethane	8.37	107	138488	54.709	ug/L	98
51) Chlorobenzene	8.90	112	332712	52.645	ug/L	100
52) Ethylbenzene	9.03	91	569636	55.408	ug/L	98
53) m,p-Xylene	9.16	106	206565	54.304	ug/L	100
54) o-xylene	9.56	106	202538	54.684	ug/L	96
55) Styrene	9.58	104	376303	56.756	ug/L	98
56) Isopropylbenzene	9.95	105	524629	54.065	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	213786	58.638	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	190386	56.900	ug/L	99
61) Bromoform	9.75	173	99884	52.580	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	256250	53.009	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	264655	52.088	ug/L	99
65) 1,2-Dichlorobenzene	11.66	146	264713	53.337	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	50419	58.709	ug/L	86
67) 1,3,5-Trichlorobenzene	12.67	180	175819	49.964	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	160197	51.420	ug/L	99
69) Naphthalene	13.52	128	446446	56.354	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	171913	52.792	ug/L	99

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

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