

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV033020\
 Data File : VV015271.D
 Acq On : 30 Mar 2020 14:01
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05082

Quant Time: Mar 31 02:08:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM033020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 30 14:04:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	669779	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	668944	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	316493	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	239758	49.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.20%
7) Chloroethane-d5	1.58	69	222585	48.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.96%
11) 1,1-Dichloroethene-d2	2.12	63	515532	48.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.90%
21) 2-Butanone-d5	3.94	46	331728	103.87	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.87%
24) Chloroform-d	4.38	84	427719	48.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.44%
26) 1,2-Dichloroethane-d4	5.06	65	282161	49.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.34%
32) Benzene-d6	5.08	84	833118	47.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.42%
36) 1,2-Dichloropropane-d6	6.09	67	260302	47.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.34%
41) Toluene-d8	7.34	98	833032	49.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.62%
43) trans-1,3-Dichloropropene-	7.64	79	144181	48.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.96%
47) 2-Hexanone-d5	8.11	63	256341	100.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.06%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	396055	49.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.28%
64) 1,2-Dichlorobenzene-d4	11.65	152	303677	48.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.42%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	237868	50.481	ug/L	98
3) Chloromethane	1.25	50	266733	49.847	ug/L	100
5) Vinyl chloride	1.32	62	281246	49.820	ug/L	100
6) Bromomethane	1.53	94	188417	49.892	ug/L	97
8) Chloroethane	1.60	64	184898	47.496	ug/L	100
9) Trichlorofluoromethane	1.77	101	476086	49.891	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	249202	48.701	ug/L	99
12) 1,1-Dichloroethene	2.13	96	244658	49.390	ug/L	98
13) Acetone	2.22	43	201793	92.593	ug/L	64
14) Carbon disulfide	2.31	76	577955	47.945	ug/L	99
15) Methyl Acetate	2.46	43	226314	51.716	ug/L	99
16) Methylene chloride	2.52	84	226834	48.945	ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	205848	49.589	ug/L	97
18) Methyl tert-butyl Ether	2.79	73	716915	50.724	ug/L	99
19) 1,1-Dichloroethane	3.21	63	389006	50.264	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	234859	50.331	ug/L #	96
22) 2-Butanone	4.02	43	315503	99.310	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	114437	49.818	ug/L	98
25) Chloroform	4.41	83	412686	49.942	ug/L	99
27) 1,2-Dichloroethane	5.16	62	329910	50.197	ug/L	99
29) Cyclohexane	4.70	56	351427	49.527	ug/L	100
30) 1,1,1-Trichloroethane	4.64	97	381953	50.358	ug/L	100
31) Carbon tetrachloride	4.86	117	316949	49.328	ug/L	99
33) Benzene	5.13	78	889720	50.241	ug/L	100
34) Trichloroethene	5.94	95	231378	48.704	ug/L	96
35) Methylcyclohexane	6.15	83	360151	48.334	ug/L	98
37) 1,2-Dichloropropane	6.20	63	226746	50.339	ug/L	100
38) Bromodichloromethane	6.53	83	326195	50.358	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	381967	50.211	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	683714	102.086	ug/L	100
42) Toluene	7.41	91	1026614	51.640	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	375640	50.255	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	231004	50.906	ug/L	98
46) Tetrachloroethene	8.00	164	158092	50.291	ug/L	96
48) 2-Hexanone	8.16	43	545263	106.125	ug/L	99
49) Dibromochloromethane	8.27	129	252046	50.822	ug/L	96
50) 1,2-Dibromoethane	8.37	107	250491	50.805	ug/L	99
51) Chlorobenzene	8.90	112	659717	50.990	ug/L	100
52) Ethylbenzene	9.04	91	1150207	51.307	ug/L	99
53) m,p-Xylene	9.16	106	439180	51.361	ug/L	98
54) o-xylene	9.57	106	443652	52.155	ug/L	95
55) Styrene	9.58	104	759333	52.312	ug/L	99
56) Isopropylbenzene	9.95	105	1153520	51.516	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	394117	52.333	ug/L	96
59) 1,2,3-Trichloropropane	10.30	75	319044	51.193	ug/L	99
61) Bromoform	9.75	173	165703	52.498	ug/L	97
62) 1,3-Dichlorobenzene	11.21	146	491463	50.916	ug/L	100
63) 1,4-Dichlorobenzene	11.30	146	485914	49.320	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	491501	50.460	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	107124	49.985	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	306325	49.724	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	287294	49.080	ug/L	99
69) Naphthalene	13.53	128	1206482	51.706	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	296558	50.481	ug/L	99

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

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