

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121820\
 Data File : VV019723.D
 Acq On : 19 Dec 2020 02:54
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05096

Quant Time: Dec 19 07:02:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 19 07:00:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	572963	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	543837	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	275315	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	181714	44.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.46%
7) Chloroethane-d5	1.57	69	153053	47.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.46%
11) 1,1-Dichloroethene-d2	2.11	63	360440	47.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.54%
21) 2-Butanone-d5	3.89	46	313944	140.58	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	140.58%#
24) Chloroform-d	4.35	84	368218	49.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.46%
26) 1,2-Dichloroethane-d4	5.04	65	243340	50.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.58%
32) Benzene-d6	5.05	84	694908	47.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.82%
36) 1,2-Dichloropropane-d6	6.07	67	224992	49.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.04%
41) Toluene-d8	7.32	98	611160	46.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.60%
43) trans-1,3-Dichloropropene-	7.62	79	109036	42.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.38%
47) 2-Hexanone-d5	8.09	63	223687	125.44	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	125.44%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	314960	51.25	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.50%
64) 1,2-Dichlorobenzene-d4	11.63	152	237120	46.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.14%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.13	85	215902	46.693	ug/L	100
3) Chloromethane	1.24	50	237704	48.364	ug/L	99
5) Vinyl chloride	1.31	62	239091	48.498	ug/L	99
6) Bromomethane	1.52	94	140287	47.384	ug/L	99
8) Chloroethane	1.59	64	148042	49.785	ug/L	99
9) Trichlorofluoromethane	1.76	101	298369	49.537	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	166227	49.973	ug/L	99
12) 1,1-Dichloroethene	2.12	96	166936	48.906	ug/L #	81
13) Acetone	2.18	43	207574	109.108	ug/L	99
14) Carbon disulfide	2.30	76	487486	43.465	ug/L	99
15) Methyl Acetate	2.43	43	229315	55.324	ug/L	99
16) Methylene chloride	2.51	84	203031	50.732	ug/L	98
17) trans-1,2-Dichloroethene	2.76	96	182521	48.785	ug/L	99
18) Methyl tert-butyl Ether	2.77	73	640330	48.981	ug/L	99
19) 1,1-Dichloroethane	3.19	63	368717	50.834	ug/L	99
20) cis-1,2-Dichloroethene	3.92	96	204549	49.735	ug/L #	98
22) 2-Butanone	3.97	43	320015	114.674	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	100397	49.613	ug/L	97
25) Chloroform	4.38	83	367305	50.704	ug/L	100
27) 1,2-Dichloroethane	5.14	62	305194	50.854	ug/L	99
29) Cyclohexane	4.68	56	321947	48.302	ug/L	98
30) 1,1,1-Trichloroethane	4.61	97	320499	47.001	ug/L	99
31) Carbon tetrachloride	4.83	117	262312	45.568	ug/L	99
33) Benzene	5.10	78	791870	49.822	ug/L	100
34) Trichloroethene	5.92	95	203066	48.365	ug/L	99
35) Methylcyclohexane	6.14	83	307817	48.259	ug/L	99
37) 1,2-Dichloropropane	6.18	63	214404	51.655	ug/L	100
38) Bromodichloromethane	6.51	83	276267	47.599	ug/L	98
39) cis-1,3-Dichloropropene	7.03	75	327510	47.508	ug/L	100
40) 4-Methyl-2-pentanone	7.23	43	637520	106.461	ug/L	98
42) Toluene	7.39	91	816197	48.723	ug/L	100
44) trans-1,3-Dichloropropene	7.65	75	314698	45.084	ug/L	98
45) 1,1,2-Trichloroethane	7.84	97	195250	49.535	ug/L	98
46) Tetrachloroethene	7.98	164	133182	45.842	ug/L	99
48) 2-Hexanone	8.14	43	491122	108.086	ug/L	98
49) Dibromochloromethane	8.25	129	199242	46.157	ug/L	99
50) 1,2-Dibromoethane	8.36	107	202182	48.710	ug/L	98
51) Chlorobenzene	8.88	112	521464	48.739	ug/L	99
52) Ethylbenzene	9.02	91	921927	48.304	ug/L	100
53) m,p-Xylene	9.14	106	339482	47.610	ug/L	98
54) o-xylene	9.55	106	334303	47.832	ug/L	100
55) Styrene	9.56	104	588148	48.284	ug/L	100
56) Isopropylbenzene	9.94	105	900602	48.369	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.24	83	317443	50.080	ug/L	99
59) 1,2,3-Trichloropropane	10.28	75	267235	51.761	ug/L	100
61) Bromoform	9.74	173	126642	41.572	ug/L	99
62) 1,3-Dichlorobenzene	11.19	146	389561	46.119	ug/L	100
63) 1,4-Dichlorobenzene	11.28	146	396294	46.331	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	395975	47.441	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.43	75	77959	44.745	ug/L	93
67) 1,3,5-Trichlorobenzene	12.65	180	276485	46.328	ug/L	100
68) 1,2,4-trichlorobenzene	13.27	180	253248	45.384	ug/L	99
69) Naphthalene	13.51	128	886166	45.736	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	250938	46.017	ug/L	99

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

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