

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022020\
 Data File : VV014618.D
 Acq On : 20 Feb 2020 12:26
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

Quant Time: Feb 21 03:28:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM021220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 20 06:56:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	260563	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	247450	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	128468	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	40709	40.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.36%
7) Chloroethane-d5	1.58	69	33176	47.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.28%
11) 1,1-Dichloroethene-d2	2.13	63	80513	48.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.44%
21) 2-Butanone-d5	3.92	46	92960	112.03	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.03%
24) Chloroform-d	4.40	84	148353	50.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.68%
26) 1,2-Dichloroethane-d4	5.08	65	96603	53.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.74%
32) Benzene-d6	5.09	84	294560	49.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.56%
36) 1,2-Dichloropropane-d6	6.11	67	89939	50.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.92%
41) Toluene-d8	7.35	98	280450	49.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.52%
43) trans-1,3-Dichloropropene-	7.66	79	51037	51.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.86%
47) 2-Hexanone-d5	8.13	63	78573	110.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.32%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	129400	53.49	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.98%
64) 1,2-Dichlorobenzene-d4	11.67	152	117877	51.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.86%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	95433	51.610	ug/L	98
3) Chloromethane	1.25	50	59476	36.210	ug/L	97
5) Vinyl chloride	1.33	62	55495	47.540	ug/L	97
6) Bromomethane	1.53	94	32462	57.151	ug/L	98
8) Chloroethane	1.60	64	29359	50.076	ug/L	95
9) Trichlorofluoromethane	1.77	101	107628	53.371	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	46145	53.678	ug/L	97
12) 1,1-Dichloroethene	2.14	96	40244	50.360	ug/L	97
13) Acetone	2.19	43	58166	81.706	ug/L	98
14) Carbon disulfide	2.32	76	182214	46.581	ug/L	100
15) Methyl Acetate	2.46	43	67860	49.735	ug/L	94
16) Methylene chloride	2.54	84	83681	50.098	ug/L	97
17) trans-1,2-Dichloroethene	2.79	96	78154	49.579	ug/L	97
18) Methyl tert-butyl Ether	2.80	73	264022	52.230	ug/L	100
19) 1,1-Dichloroethane	3.23	63	141502	51.193	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	91800	50.371	ug/L	97
22) 2-Butanone	4.01	43	106535	99.810	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	45965	52.072	ug/L	96
25) Chloroform	4.42	83	167249	54.687	ug/L	100
27) 1,2-Dichloroethane	5.17	62	117829	52.257	ug/L	100
29) Cyclohexane	4.72	56	120970	48.834	ug/L	98
30) 1,1,1-Trichloroethane	4.66	97	139714	51.901	ug/L	99
31) Carbon tetrachloride	4.87	117	125996	51.835	ug/L	99
33) Benzene	5.14	78	325984	50.175	ug/L	100
34) Trichloroethene	5.96	95	89881	51.267	ug/L	97
35) Methylcyclohexane	6.17	83	143941	52.438	ug/L	98
37) 1,2-Dichloropropane	6.22	63	80497	50.178	ug/L	100
38) Bromodichloromethane	6.55	83	120984	51.431	ug/L	98
39) cis-1,3-Dichloropropene	7.06	75	145646	51.427	ug/L	100
40) 4-Methyl-2-pentanone	7.26	43	195395	98.604	ug/L	100
42) Toluene	7.43	91	360704	50.913	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	131915	51.576	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	86498	52.198	ug/L	99
46) Tetrachloroethene	8.01	164	70920	51.442	ug/L	98
48) 2-Hexanone	8.17	43	154505	100.006	ug/L	99
49) Dibromochloromethane	8.28	129	101673	51.480	ug/L	99
50) 1,2-Dibromoethane	8.39	107	92434	51.552	ug/L	98
51) Chlorobenzene	8.92	112	241592	51.007	ug/L	100
52) Ethylbenzene	9.05	91	410565	51.088	ug/L	100
53) m,p-Xylene	9.18	106	158322	50.461	ug/L	99
54) o-xylene	9.58	106	155097	51.718	ug/L	99
55) Styrene	9.60	104	265418	51.508	ug/L	100
56) Isopropylbenzene	9.97	105	413407	51.826	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	134546	51.393	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	105087	50.902	ug/L	99
61) Bromoform	9.77	173	70237	50.514	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	199789	51.423	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	200599	50.655	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	193895	50.805	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	31394	50.496	ug/L	94
67) 1,3,5-Trichlorobenzene	12.68	180	150913	54.013	ug/L	98
68) 1,2,4-trichlorobenzene	13.30	180	141369	54.637	ug/L	98
69) Naphthalene	13.54	128	449797	54.823	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	139513	55.932	ug/L	98

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

