

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV020420\
 Data File : VV014503.D
 Acq On : 04 Feb 2020 19:28
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

Quant Time: Feb 05 01:10:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 05 01:06:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	390074	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	369842	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	184285	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	71587	33.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.10%
7) Chloroethane-d5	1.58	69	56999	42.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.64%
11) 1,1-Dichloroethene-d2	2.13	63	137052	47.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.78%
21) 2-Butanone-d5	3.92	46	163446	112.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.13%
24) Chloroform-d	4.40	84	230381	50.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.50%
26) 1,2-Dichloroethane-d4	5.08	65	142075	51.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.88%
32) Benzene-d6	5.10	84	457742	47.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	6.11	67	146249	47.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.94%
41) Toluene-d8	7.36	98	440947	49.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.10%
43) trans-1,3-Dichloropropene-	7.66	79	78678	50.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.48%
47) 2-Hexanone-d5	8.13	63	138155	114.61	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.61%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	198769	50.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.14%
64) 1,2-Dichlorobenzene-d4	11.67	152	173361	51.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.16%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	152112	46.643 ug/L	99
3) Chloromethane	1.26	50	148717	43.677 ug/L	99
5) Vinyl chloride	1.33	62	110080	40.233 ug/L	100
6) Bromomethane	1.53	94	49580	54.386 ug/L	100
8) Chloroethane	1.60	64	56915	47.373 ug/L	98
9) Trichlorofluoromethane	1.77	101	164207	52.125 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	76694	51.928 ug/L	97
12) 1,1-Dichloroethene	2.14	96	75375	50.796 ug/L	96
13) Acetone	2.19	43	89352	71.840 ug/L	99
14) Carbon disulfide	2.32	76	348937	47.879 ug/L	100
15) Methyl Acetate	2.46	43	128256	53.511 ug/L	100
16) Methylene chloride	2.54	84	139570	48.849 ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	132128	51.336 ug/L	96
18) Methyl tert-butyl Ether	2.80	73	415997	52.546 ug/L	98
19) 1,1-Dichloroethane	3.23	63	231779	49.352 ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	146324	50.975 ug/L	97
22) 2-Butanone	4.01	43	173197	96.640 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	70354	52.281	ug/L	94
25) Chloroform	4.42	83	236232	49.937	ug/L	99
27) 1,2-Dichloroethane	5.18	62	182655	54.308	ug/L	97
29) Cyclohexane	4.72	56	218985	48.466	ug/L	97
30) 1,1,1-Trichloroethane	4.66	97	210700	53.164	ug/L	98
31) Carbon tetrachloride	4.87	117	185847	53.744	ug/L	98
33) Benzene	5.14	78	540208	49.503	ug/L	100
34) Trichloroethene	5.96	95	143635	52.113	ug/L	96
35) Methylcyclohexane	6.17	83	225803	49.305	ug/L	99
37) 1,2-Dichloropropane	6.22	63	137105	50.275	ug/L	99
38) Bromodichloromethane	6.55	83	185390	50.773	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	236088	52.648	ug/L	98
40) 4-Methyl-2-pentanone	7.26	43	359577	109.063	ug/L	96
42) Toluene	7.43	91	585750	51.275	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	210246	52.794	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	132704	51.503	ug/L	98
46) Tetrachloroethene	8.02	164	109635	54.390	ug/L	99
48) 2-Hexanone	8.18	43	267105	103.569	ug/L	97
49) Dibromochloromethane	8.29	129	151235	53.348	ug/L	99
50) 1,2-Dibromoethane	8.39	107	144623	52.717	ug/L	98
51) Chlorobenzene	8.92	112	382220	52.303	ug/L	99
52) Ethylbenzene	9.05	91	657993	51.320	ug/L	99
53) m,p-Xylene	9.18	106	251196	52.468	ug/L	99
54) o-xylene	9.58	106	245279	51.704	ug/L	100
55) Styrene	9.60	104	426792	53.607	ug/L	99
56) Isopropylbenzene	9.97	105	643521	53.053	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	210788	51.209	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	167393	51.941	ug/L	99
61) Bromoform	9.77	173	102354	53.157	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	300577	53.031	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	307168	52.643	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	292836	52.270	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	46522	52.237	ug/L	94
67) 1,3,5-Trichlorobenzene	12.68	180	212317	55.604	ug/L	100
68) 1,2,4-trichlorobenzene	13.30	180	202715	58.441	ug/L	100
69) Naphthalene	13.54	128	935949	85.204	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	199059	59.556	ug/L	97

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

