

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101519\
 Data File : VV013172.D
 Acq On : 15 Oct 2019 17:31
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.00ML/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 9:25:31 AM

Quant Time: Oct 15 18:59:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 15 18:13:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	709440	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	680743	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	336492	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	243787	54.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	108.72%
7) Chloroethane-d5	1.58	69	201179	54.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	109.46%
11) 1,1-Dichloroethene-d2	2.13	63	392101	46.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.72%
21) 2-Butanone-d5	3.97	46	355018	105.29	ug/L	0.05
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.29%
24) Chloroform-d	4.40	84	479977	55.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.20%
26) 1,2-Dichloroethane-d4	5.08	65	290496	54.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.18%
32) Benzene-d6	5.10	84	1000153	55.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.14%
36) 1,2-Dichloropropane-d6	6.12	67	307928	54.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.22%
41) Toluene-d8	7.36	98	910624	56.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.06%
43) trans-1,3-Dichloropropene-	7.66	79	131731	51.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.20%
47) 2-Hexanone-d5	8.13	63	234389	103.52	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.52%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	385251	52.46	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.92%
64) 1,2-Dichlorobenzene-d4	11.67	152	345184	52.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.72%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	266471	48.422	ug/L 100
3) Chloromethane	1.25	50	293052	46.798	ug/L 100
5) Vinyl chloride	1.32	62	283689	47.157	ug/L 99
6) Bromomethane	1.53	94	182761	59.374	ug/L 96
8) Chloroethane	1.60	64	171845	48.024	ug/L 99
9) Trichlorofluoromethane	1.77	101	368761	47.772	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	201153	44.240	ug/L 95
12) 1,1-Dichloroethene	2.14	96	193496	43.980	ug/L 95
13) Acetone	2.24	43	291985m	94.310	ug/L
14) Carbon disulfide	2.31	76	589271	46.183	ug/L 99
15) Methyl Acetate	2.47	43	272650	49.695	ug/L 100
16) Methylene chloride	2.53	84	259032	49.485	ug/L 98
17) trans-1,2-Dichloroethene	2.79	96	231627	48.528	ug/L 97
18) Methyl tert-butyl Ether	2.81	73	717031	49.771	ug/L 99
19) 1,1-Dichloroethane	3.23	63	446505	49.593	ug/L 98
20) cis-1,2-Dichloroethene	3.96	96	256940	47.564	ug/L 98
22) 2-Butanone	4.05	43	419796m	106.529	ug/L

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	136663	49.811	ug/L	97
25) Chloroform	4.42	83	459025	50.600	ug/L	98
27) 1,2-Dichloroethane	5.18	62	346164	49.780	ug/L	99
29) Cyclohexane	4.72	56	397240	48.724	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	372952	49.375	ug/L	99
31) Carbon tetrachloride	4.87	117	324963	48.416	ug/L	99
33) Benzene	5.14	78	1029984	49.676	ug/L	100
34) Trichloroethene	5.96	95	277806	50.321	ug/L	98
35) Methylcyclohexane	6.17	83	402236	48.167	ug/L	99
37) 1,2-Dichloropropane	6.22	63	262720	48.933	ug/L	99
38) Bromodichloromethane	6.55	83	333287	48.786	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	387212	48.764	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	743917	105.847	ug/L	98
42) Toluene	7.43	91	1091613	51.141	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	334234	48.557	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	252878	49.609	ug/L	99
46) Tetrachloroethene	8.02	164	217920	49.860	ug/L	97
48) 2-Hexanone	8.19	43	594556	109.397	ug/L	99
49) Dibromochloromethane	8.29	129	272382	49.030	ug/L	98
50) 1,2-Dibromoethane	8.39	107	258931	48.602	ug/L	98
51) Chlorobenzene	8.92	112	684235	48.882	ug/L	99
52) Ethylbenzene	9.05	91	1148087	50.355	ug/L	99
53) m,p-Xylene	9.18	106	443459	51.699	ug/L	100
54) o-xylene	9.59	106	426896	49.674	ug/L	99
55) Styrene	9.60	104	737929	52.286	ug/L	99
56) Isopropylbenzene	9.97	105	1119408	50.727	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	355532	47.978	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	324674	49.673	ug/L	99
61) Bromoform	9.77	173	199667	47.155	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	520717	47.853	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	523353	47.894	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	537651	48.536	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	74157	46.027	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	353412	45.541	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	299997	45.071	ug/L	99
69) Naphthalene	13.55	128	863796	47.106	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	334808	47.023	ug/L	100

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

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