

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120919\
 Data File : VV013952.D
 Acq On : 09 Dec 2019 10:11
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

Quant Time: Dec 10 04:27:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 09 10:01:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	677999	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	631747	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	338295	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	185214	47.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.46%
7) Chloroethane-d5	1.56	69	188782	46.12	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.24%
11) 1,1-Dichloroethene-d2	2.12	63	421687	48.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.26%
21) 2-Butanone-d5	3.92	46	306330	110.99	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.99%
24) Chloroform-d	4.39	84	434758	52.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.60%
26) 1,2-Dichloroethane-d4	5.07	65	228193	43.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.46%
32) Benzene-d6	5.09	84	751090	45.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.76%
36) 1,2-Dichloropropane-d6	6.11	67	222006	45.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.36%
41) Toluene-d8	7.35	98	697521	46.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.48%
43) trans-1,3-Dichloropropene-	7.66	79	103844	43.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.86%
47) 2-Hexanone-d5	8.13	63	161925	88.25	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.25%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	295837	41.58	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.16%
64) 1,2-Dichlorobenzene-d4	11.67	152	288956	43.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.98%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	257569	42.666	ug/L	97
3) Chloromethane	1.25	50	258491	46.835	ug/L	99
5) Vinyl chloride	1.32	62	254138	44.150	ug/L	99
6) Bromomethane	1.51	94	150575	43.266	ug/L	99
8) Chloroethane	1.58	64	172546	45.050	ug/L	99
9) Trichlorofluoromethane	1.76	101	410547	45.856	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	239447	46.958	ug/L	100
12) 1,1-Dichloroethene	2.13	96	225285	45.739	ug/L	100
13) Acetone	2.18	43	376409	93.065	ug/L	98
14) Carbon disulfide	2.31	76	624512	48.079	ug/L	99
15) Methyl Acetate	2.45	43	279204	56.012	ug/L	99
16) Methylene chloride	2.53	84	272392	53.106	ug/L	94
17) trans-1,2-Dichloroethene	2.78	96	244806	50.813	ug/L	94
18) Methyl tert-butyl Ether	2.80	73	771154	55.156	ug/L	100
19) 1,1-Dichloroethane	3.22	63	464726	53.540	ug/L	98
20) cis-1,2-Dichloroethene	3.95	96	279334	53.540	ug/L	100
22) 2-Butanone	4.00	43	435508	112.182	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	152176	52.793	ug/L	97
25) Chloroform	4.42	83	475891	51.285	ug/L	99
27) 1,2-Dichloroethane	5.17	62	302925	45.304	ug/L	100
29) Cyclohexane	4.72	56	401330	54.374	ug/L	99
30) 1,1,1-Trichloroethane	4.65	97	399934	52.439	ug/L	99
31) Carbon tetrachloride	4.87	117	364550	53.510	ug/L	98
33) Benzene	5.14	78	878510	46.696	ug/L	100
34) Trichloroethene	5.95	95	241803	47.920	ug/L	98
35) Methylcyclohexane	6.17	83	360747	47.649	ug/L	98
37) 1,2-Dichloropropane	6.21	63	220747	48.480	ug/L	100
38) Bromodichloromethane	6.55	83	295823	45.811	ug/L	100
39) cis-1,3-Dichloropropene	7.06	75	352537	49.181	ug/L	98
40) 4-Methyl-2-pentanone	7.26	43	589037	99.483	ug/L	99
42) Toluene	7.42	91	955265	49.212	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	308718	47.560	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	225047	49.792	ug/L	99
46) Tetrachloroethene	8.01	164	218337	47.951	ug/L	96
48) 2-Hexanone	8.18	43	473644	99.999	ug/L	95
49) Dibromochloromethane	8.28	129	258292	46.751	ug/L	99
50) 1,2-Dibromoethane	8.39	107	241136	48.431	ug/L	99
51) Chlorobenzene	8.92	112	614025	45.850	ug/L	99
52) Ethylbenzene	9.05	91	1017257	47.538	ug/L	100
53) m,p-Xylene	9.18	106	392851	47.474	ug/L	97
54) o-xylene	9.58	106	374803	46.323	ug/L	96
55) Styrene	9.60	104	646051	46.281	ug/L	99
56) Isopropylbenzene	9.97	105	1021882	46.987	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	325302	44.211	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	285439	46.324	ug/L	99
61) Bromoform	9.77	173	198550	47.979	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	512268	46.149	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	508137	44.280	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	525537	47.331	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	69713	45.177	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	404034	44.822	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	318618	39.173	ug/L	100
69) Naphthalene	13.55	128	638892	29.916	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	337563	39.685	ug/L	100

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

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