

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040120\
 Data File : VV015333.D
 Acq On : 01 Apr 2020 14:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

Quant Time: Apr 02 03:16:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM040120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 02 02:22:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	758406	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	734154	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	364173	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	283699	41.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.44%
7) Chloroethane-d5	1.58	69	232989	40.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.22%
11) 1,1-Dichloroethene-d2	2.12	63	528206	43.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.92%
21) 2-Butanone-d5	3.93	46	334142	92.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.45%
24) Chloroform-d	4.38	84	467764	41.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.34%
26) 1,2-Dichloroethane-d4	5.06	65	293087	41.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.82%
32) Benzene-d6	5.07	84	925993	40.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.92%
36) 1,2-Dichloropropane-d6	6.09	67	276456	41.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.94%
41) Toluene-d8	7.34	98	914708	42.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.62%
43) trans-1,3-Dichloropropene-	7.64	79	150879	40.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.92%
47) 2-Hexanone-d5	8.11	63	258374	84.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.87%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	410923	43.33	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.66%
64) 1,2-Dichlorobenzene-d4	11.65	152	345817	41.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.48%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	316394	46.132	ug/L 98
3) Chloromethane	1.25	50	275895	42.685	ug/L 98
5) Vinyl chloride	1.32	62	288067	42.549	ug/L 99
6) Bromomethane	1.53	94	197760	44.188	ug/L 99
8) Chloroethane	1.60	64	185200	39.820	ug/L 98
9) Trichlorofluoromethane	1.76	101	535963	41.871	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	261375	45.694	ug/L 99
12) 1,1-Dichloroethene	2.13	96	244571	45.055	ug/L 96
13) Acetone	2.22	43	212288	89.481	ug/L 97
14) Carbon disulfide	2.31	76	670641	44.672	ug/L 100
15) Methyl Acetate	2.46	43	243126	46.792	ug/L 99
16) Methylene chloride	2.52	84	257174	44.800	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	236567	45.654	ug/L 97
18) Methyl tert-butyl Ether	2.79	73	786424	46.038	ug/L 99
19) 1,1-Dichloroethane	3.21	63	413754	43.886	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	270000	45.537	ug/L # 93
22) 2-Butanone	4.02	43	337488	96.154	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	137514	45.921	ug/L	97
25) Chloroform	4.40	83	453836	44.391	ug/L	98
27) 1,2-Dichloroethane	5.15	62	341194	44.310	ug/L	99
29) Cyclohexane	4.70	56	390839	44.746	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	417141	44.217	ug/L	99
31) Carbon tetrachloride	4.85	117	364228	45.157	ug/L	100
33) Benzene	5.13	78	973283	44.790	ug/L	100
34) Trichloroethene	5.94	95	263407	45.781	ug/L	98
35) Methylcyclohexane	6.15	83	425998	45.192	ug/L	98
37) 1,2-Dichloropropane	6.20	63	241948	45.367	ug/L	99
38) Bromodichloromethane	6.53	83	348856	44.619	ug/L	95
39) cis-1,3-Dichloropropene	7.05	75	413797	46.170	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	693993	92.565	ug/L	99
42) Toluene	7.41	91	1095397	45.359	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	396504	45.529	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	257685	45.820	ug/L	98
46) Tetrachloroethene	8.00	164	197321	47.837	ug/L	95
48) 2-Hexanone	8.16	43	532687	93.827	ug/L	99
49) Dibromochloromethane	8.27	129	285394	46.338	ug/L	100
50) 1,2-Dibromoethane	8.37	107	281852	46.949	ug/L	99
51) Chlorobenzene	8.90	112	718350	45.386	ug/L	99
52) Ethylbenzene	9.03	91	1226545	45.250	ug/L	98
53) m,p-Xylene	9.16	106	488087	46.763	ug/L	99
54) o-xylene	9.57	106	480749	45.983	ug/L	98
55) Styrene	9.58	104	810744	46.633	ug/L	99
56) Isopropylbenzene	9.95	105	1246979	46.044	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	408558	45.250	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	328954	45.680	ug/L	100
61) Bromoform	9.75	173	191026	46.960	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	559456	45.633	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	567633	45.651	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	561803	44.927	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	105994	42.927	ug/L	93
67) 1,3,5-Trichlorobenzene	12.67	180	377193	46.423	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	355383	47.884	ug/L	99
69) Naphthalene	13.53	128	1341453	47.278	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	360922	47.210	ug/L	99

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

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