

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121420\
 Data File : VV019619.D
 Acq On : 14 Dec 2020 21:05
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

Quant Time: Dec 15 07:24:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 15 07:21:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	634960	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	597042	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	286431	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	167322	36.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.50%
7) Chloroethane-d5	1.57	69	151973	42.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.64%
11) 1,1-Dichloroethene-d2	2.11	63	346622	41.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.04%
21) 2-Butanone-d5	3.89	46	273301	110.43	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.43%
24) Chloroform-d	4.35	84	369869	45.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.14%
26) 1,2-Dichloroethane-d4	5.04	65	247422	46.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.28%
32) Benzene-d6	5.05	84	674349	42.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.70%
36) 1,2-Dichloropropane-d6	6.07	67	223817	44.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.74%
41) Toluene-d8	7.32	98	587559	40.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.96%
43) trans-1,3-Dichloropropene-	7.62	79	114253	40.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.54%
47) 2-Hexanone-d5	8.09	63	200765	102.55	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.55%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	327276	48.51	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.02%
64) 1,2-Dichlorobenzene-d4	11.63	152	232200	43.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.74%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	225554	44.017	ug/L 100
3) Chloromethane	1.24	50	261648	48.038	ug/L 100
5) Vinyl chloride	1.31	62	256341	46.920	ug/L 100
6) Bromomethane	1.52	94	156127	47.586	ug/L 98
8) Chloroethane	1.59	64	159226	48.318	ug/L 100
9) Trichlorofluoromethane	1.76	101	305819	45.816	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	165550	44.910	ug/L 99
12) 1,1-Dichloroethene	2.12	96	175715	46.452	ug/L # 86
13) Acetone	2.19	43	226789	107.569	ug/L 99
14) Carbon disulfide	2.30	76	529460	42.598	ug/L 99
15) Methyl Acetate	2.44	43	250899	54.621	ug/L 99
16) Methylene chloride	2.51	84	214380	48.337	ug/L 99
17) trans-1,2-Dichloroethene	2.76	96	193896	46.766	ug/L 99
18) Methyl tert-butyl Ether	2.77	73	704502	48.628	ug/L 100
19) 1,1-Dichloroethane	3.19	63	390497	48.580	ug/L 99
20) cis-1,2-Dichloroethene	3.92	96	220937	48.474	ug/L # 99
22) 2-Butanone	3.98	43	350213	113.242	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	109027	48.617	ug/L	98
25) Chloroform	4.38	83	389210	48.482	ug/L	99
27) 1,2-Dichloroethane	5.14	62	327030	49.172	ug/L	99
29) Cyclohexane	4.68	56	320243	43.765	ug/L	100
30) 1,1,1-Trichloroethane	4.61	97	336978	45.013	ug/L	99
31) Carbon tetrachloride	4.83	117	274133	43.378	ug/L	99
33) Benzene	5.10	78	825626	47.317	ug/L	100
34) Trichloroethene	5.92	95	211838	45.958	ug/L	98
35) Methylcyclohexane	6.14	83	308027	43.988	ug/L	99
37) 1,2-Dichloropropane	6.18	63	222540	48.837	ug/L	100
38) Bromodichloromethane	6.51	83	295708	46.408	ug/L	99
39) cis-1,3-Dichloropropene	7.03	75	356264	47.074	ug/L	98
40) 4-Methyl-2-pentanone	7.23	43	687503	104.577	ug/L	100
42) Toluene	7.39	91	846262	46.016	ug/L	100
44) trans-1,3-Dichloropropene	7.65	75	345397	45.072	ug/L	99
45) 1,1,2-Trichloroethane	7.84	97	209274	48.362	ug/L	99
46) Tetrachloroethene	7.98	164	138770	43.509	ug/L	96
48) 2-Hexanone	8.14	43	526586	105.564	ug/L	99
49) Dibromochloromethane	8.25	129	219045	46.223	ug/L	99
50) 1,2-Dibromoethane	8.35	107	220936	48.485	ug/L	98
51) Chlorobenzene	8.88	112	541032	46.062	ug/L	100
52) Ethylbenzene	9.02	91	944668	45.085	ug/L	100
53) m,p-Xylene	9.14	106	348646	44.538	ug/L	99
54) o-xylene	9.55	106	346060	45.102	ug/L	99
55) Styrene	9.56	104	613005	45.840	ug/L	99
56) Isopropylbenzene	9.94	105	917948	44.907	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.24	83	347689	49.964	ug/L	100
59) 1,2,3-Trichloropropane	10.28	75	287885	50.792	ug/L	100
61) Bromoform	9.73	173	144144	45.481	ug/L	99
62) 1,3-Dichlorobenzene	11.19	146	399557	45.466	ug/L	100
63) 1,4-Dichlorobenzene	11.28	146	408270	45.879	ug/L	99
65) 1,2-Dichlorobenzene	11.65	146	408505	47.043	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.43	75	89158	49.187	ug/L	95
67) 1,3,5-Trichlorobenzene	12.65	180	281763	45.380	ug/L	99
68) 1,2,4-trichlorobenzene	13.26	180	264609	45.580	ug/L	99
69) Naphthalene	13.50	128	993674	49.294	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	268717	47.365	ug/L	99

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

