

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102020\
 Data File : VV019025.D
 Acq On : 20 Oct 2020 19:55
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

Quant Time: Oct 21 06:12:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 21 06:02:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	311187	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	286520	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	155602	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	127492	49.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.54%
7) Chloroethane-d5	1.58	69	103396	50.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.90%
11) 1,1-Dichloroethene-d2	2.12	63	248509	51.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.78%
21) 2-Butanone-d5	3.91	46	180436	101.06	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.06%
24) Chloroform-d	4.38	84	232041	50.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.84%
26) 1,2-Dichloroethane-d4	5.06	65	151846	49.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.42%
32) Benzene-d6	5.07	84	441279	52.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.52%
36) 1,2-Dichloropropane-d6	6.09	67	140031	52.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.72%
41) Toluene-d8	7.34	98	371548	49.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.04%
43) trans-1,3-Dichloropropene-	7.64	79	64566	49.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.78%
47) 2-Hexanone-d5	8.11	63	99328	99.98	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.98%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	155346	49.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.12%
64) 1,2-Dichlorobenzene-d4	11.65	152	151456	47.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.68%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	126629	46.994	ug/L 99
3) Chloromethane	1.25	50	140437	46.213	ug/L 100
5) Vinyl chloride	1.32	62	148113	50.427	ug/L 100
6) Bromomethane	1.53	94	86563	48.304	ug/L 99
8) Chloroethane	1.60	64	93711	53.196	ug/L 98
9) Trichlorofluoromethane	1.77	101	202276	52.176	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	108932	53.960	ug/L 98
12) 1,1-Dichloroethene	2.13	96	105948	51.789	ug/L 96
13) Acetone	2.20	43	130388	99.938	ug/L 99
14) Carbon disulfide	2.31	76	328746	47.167	ug/L 100
15) Methyl Acetate	2.45	43	141028	52.619	ug/L 98
16) Methylene chloride	2.52	84	125522	51.145	ug/L 96
17) trans-1,2-Dichloroethene	2.78	96	114275	50.320	ug/L 96
18) Methyl tert-butyl Ether	2.78	73	375780	52.373	ug/L 99
19) 1,1-Dichloroethane	3.21	63	231467	52.391	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	125179	52.008	ug/L 100
22) 2-Butanone	4.00	43	190402	107.332	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	63126	50.783	ug/L	94
25) Chloroform	4.40	83	230399	51.860	ug/L	99
27) 1,2-Dichloroethane	5.15	62	188319	51.890	ug/L	100
29) Cyclohexane	4.70	56	198071	58.170	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	197899	55.664	ug/L	98
31) Carbon tetrachloride	4.86	117	168907	55.820	ug/L	100
33) Benzene	5.13	78	483306	55.027	ug/L	100
34) Trichloroethene	5.94	95	132446	52.292	ug/L	98
35) Methylcyclohexane	6.15	83	170091	55.449	ug/L	99
37) 1,2-Dichloropropane	6.20	63	129438	55.051	ug/L	99
38) Bromodichloromethane	6.53	83	154482	51.247	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	175958	49.805	ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	331188	102.141	ug/L	99
42) Toluene	7.41	91	467329	51.517	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	180935	52.848	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	106709	48.791	ug/L	98
46) Tetrachloroethene	8.00	164	90286	50.580	ug/L	98
48) 2-Hexanone	8.16	43	257135	100.018	ug/L	99
49) Dibromochloromethane	8.27	129	121058	52.283	ug/L	97
50) 1,2-Dibromoethane	8.37	107	111559	48.945	ug/L	98
51) Chlorobenzene	8.90	112	296982	50.215	ug/L	99
52) Ethylbenzene	9.03	91	514518	52.395	ug/L	99
53) m,p-Xylene	9.16	106	191428	52.324	ug/L	100
54) o-xylene	9.56	106	185071	52.875	ug/L	100
55) Styrene	9.58	104	330437	53.673	ug/L	98
56) Isopropylbenzene	9.95	105	498007	54.198	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	152672	51.410	ug/L	98
59) 1,2,3-Trichloropropane	10.29	75	142197	49.963	ug/L	99
61) Bromoform	9.75	173	85635	50.380	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	243268	50.431	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	249576	49.212	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	244188	50.174	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	35187	48.516	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	167547	51.706	ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	156522	52.422	ug/L	99
69) Naphthalene	13.52	128	452437	53.393	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	159924	53.583	ug/L	99

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

