

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV123120\
 Data File : VV019878.D
 Acq On : 31 Dec 2020 13:37
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005305

Manual Integrations
 APPROVED

MMDadoda
 1/4/2021 9:31:55 AM

Quant Time: Jan 01 00:35:19 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR122920WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 31 02:03:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	280024	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	265843	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.25	152	133424	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.30	65	82968	4.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.40%
7) Chloroethane-d5	1.57	69	72338	4.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.00%
11) 1,1-Dichloroethene-d2	2.11	63	181873	4.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.20%
20) 2-Butanone-d5	3.95	46	182816m	43.00	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.00%
24) Chloroform-d	4.35	84	156963	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.20%
26) 1,2-Dichloroethane-d4	5.04	65	80504	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.60%
32) Benzene-d6	5.05	84	309487	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.80%
36) 1,2-Dichloropropane-d6	6.07	67	93964	4.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.80%
41) Toluene-d8	7.32	98	275254	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
43) trans-1,3-Dichloropropene-	7.63	79	32495	4.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.20%
46) 2-Hexanone-d5	8.10	63	131585	42.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.68%
56) 1,1,2,2-Tetrachloroethane-	10.22	84	58693	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.60%
66) 1,2-Dichlorobenzene-d4	11.63	152	88410	4.27	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	130130	4.858	ug/L 99
3) Chloromethane	1.24	50	134049	4.526	ug/L 98
5) Vinyl chloride	1.31	62	135306	4.656	ug/L 98
6) Bromomethane	1.52	94	77681	4.566	ug/L 97
8) Chloroethane	1.58	64	80515	4.533	ug/L 98
9) Trichlorofluoromethane	1.75	101	170125	4.820	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	95061	5.006	ug/L 98
12) 1,1-Dichloroethene	2.11	96	91444	4.712	ug/L 95
13) Acetone	2.23	43	153224m	48.062	ug/L
14) Carbon disulfide	2.29	76	307556	4.577	ug/L 100
15) Methyl Acetate	2.45	43	34094	4.281	ug/L # 79
16) Methylene chloride	2.51	84	103499	4.381	ug/L 98
17) Methyl tert-butyl Ether	2.78	73	213904	4.408	ug/L 99
18) trans-1,2-Dichloroethene	2.76	96	99282	4.530	ug/L 99
19) 1,1-Dichloroethane	3.19	63	194287	4.580	ug/L 99
21) 2-Butanone	4.01	43	244234	45.535	ug/L 95
22) cis-1,2-Dichloroethene	3.91	96	102523	4.500	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	40804	4.492	ug/L	95
25) Chloroform	4.38	83	203437	4.821	ug/L	97
27) 1,2-Dichloroethane	5.14	62	118007	4.590	ug/L	96
29) 1,1,1-Trichloroethane	4.61	97	168665	4.652	ug/L	100
30) Cyclohexane	4.68	56	176342	4.835	ug/L	99
31) Carbon tetrachloride	4.83	117	141094	4.765	ug/L	99
33) Benzene	5.10	78	416350	4.678	ug/L	100
34) Trichloroethene	5.92	95	109904	4.622	ug/L	100
35) Methylcyclohexane	6.13	83	178117	5.007	ug/L	99
37) 1,2-Dichloropropane	6.18	63	102022	4.571	ug/L	100
38) Bromodichloromethane	6.51	83	125778	4.569	ug/L	97
39) cis-1,3-Dichloropropene	7.03	75	138756	4.530	ug/L	96
40) 4-Methyl-2-pentanone	7.23	43	578366	45.886	ug/L	99
42) Toluene	7.39	91	425785	4.710	ug/L	100
44) trans-1,3-Dichloropropene	7.66	75	110908	4.420	ug/L	96
45) 1,1,2-Trichloroethane	7.84	97	65919	4.567	ug/L	98
47) Tetrachloroethene	7.98	164	76516	4.737	ug/L	99
48) 2-Hexanone	8.15	43	410789	47.020	ug/L	99
49) Dibromochloromethane	8.25	129	71437	4.575	ug/L	99
50) 1,2-Dibromoethane	8.36	107	59586	4.545	ug/L	96
51) Chlorobenzene	8.88	112	264671	4.629	ug/L	99
52) Ethylbenzene	9.02	91	475173	4.744	ug/L	98
53) m,p-xylene	9.14	106	175769	4.801	ug/L	99
54) o-xylene	9.55	106	165130	4.705	ug/L	100
55) Styrene	9.57	104	281487	4.746	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.25	83	70627	4.623	ug/L	100
59) Bromoform	9.74	173	31640	4.371	ug/L	99
60) Isopropylbenzene	9.94	105	460455	4.741	ug/L	100
61) 1,2,3-Trichloropropane	10.28	75	57845	4.484	ug/L	99
62) 1,3,5-Trimethylbenzene	10.54	105	381807	4.755	ug/L	99
63) 1,2,4-Trimethylbenzene	10.92	105	386165	4.721	ug/L	99
64) 1,3-Dichlorobenzene	11.19	146	201502	4.725	ug/L	96
65) 1,4-Dichlorobenzene	11.28	146	199178	4.655	ug/L	98
67) 1,2-Dichlorobenzene	11.65	146	180350	4.598	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.44	75	10603	3.986	ug/L	93
69) 1,3,5-Trichlorobenzene	12.65	180	149113	4.717	ug/L	100
70) 1,2,4-trichlorobenzene	13.27	180	119411	4.646	ug/L	99
71) Naphthalene	13.51	128	174591	4.490	ug/L	99
72) 1,2,3-Trichlorobenzene	13.75	180	102277	4.675	ug/L	99

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

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