

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101321\
 Data File : VV022760.D
 Acq On : 13 Oct 2021 10:51
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005307

Manual Integrations
 APPROVED

MMDadoda
 10/14/2021 2:06:40 PM

Quant Time: Oct 14 02:07:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 12 03:20:38 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	114362	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	114007	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	66235	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	32336	4.110	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.200%
7) Chloroethane-d5	1.565	69	33871	4.790	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.800%
11) 1,1-Dichloroethene-d2	2.105	63	69291	4.489	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.800%
20) 2-Butanone-d5	3.915	46	78234	37.921	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	75.840%
24) Chloroform-d	4.346	84	75090	4.631	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.600%
26) 1,2-Dichloroethane-d4	5.034	65	37710	4.792	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.800%
32) Benzene-d6	5.043	84	150374	4.431	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.600%
36) 1,2-Dichloropropane-d6	6.069	67	46751	4.651	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.000%
41) Toluene-d8	7.313	98	139103	4.741	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.800%
43) trans-1,3-Dichloroprop...	7.625	79	16346	4.903	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.000%
46) 2-Hexanone-d5	8.095	63	75459	56.159	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.320%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	35932	5.277	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.600%
66) 1,2-Dichlorobenzene-d4	11.625	152	57656	4.695	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	44584	5.349	ug/L	99
3) Chloromethane	1.240	50	43771	5.225	ug/L	99
5) Vinyl chloride	1.307	62	46322	5.352	ug/L	99
6) Bromomethane	1.520	94	30298	5.615	ug/L	96
8) Chloroethane	1.584	64	28989	5.413	ug/L	99
9) Trichlorofluoromethane	1.751	101	67918	5.357	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	40507	5.493	ug/L	97
12) 1,1-Dichloroethene	2.114	96	36751	5.320	ug/L	82
13) Acetone	2.188	43	54748m	47.589	ug/L	
14) Carbon disulfide	2.288	76	103176	5.314	ug/L	98
15) Methyl Acetate	2.439	43	10366	3.149	ug/L	95
16) Methylene chloride	2.503	84	39243	4.127	ug/L	98
17) Methyl tert-butyl Ether	2.770	73	88574	5.299	ug/L	98
18) trans-1,2-Dichloroethene	2.751	96	40211	5.353	ug/L	99
19) 1,1-Dichloroethane	3.182	63	76462	5.651	ug/L	97
21) 2-Butanone	3.998	43	59680	31.683	ug/L	89
22) cis-1,2-Dichloroethene	3.905	96	40912	5.186	ug/L	100
23) Bromochloromethane	4.243	128	19846	5.663	ug/L	93
25) Chloroform	4.371	83	80443	5.129	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.130	62	41152	5.257	ug/L	97
29) 1,1,1-Trichloroethane	4.603	97	65274	5.014	ug/L	99
30) Cyclohexane	4.667	56	56428	4.697	ug/L	99
31) Carbon tetrachloride	4.818	117	58606	5.186	ug/L	97
33) Benzene	5.095	78	155959	5.079	ug/L	100
34) Trichloroethene	5.912	95	42468	5.086	ug/L	96
35) Methylcyclohexane	6.127	83	61867	5.289	ug/L	94
37) 1,2-Dichloropropane	6.172	63	37058	5.018	ug/L	99
38) Bromodichloromethane	6.510	83	49180	5.405	ug/L	98
39) cis-1,3-Dichloropropene	7.027	75	51845	5.303	ug/L	99
40) 4-Methyl-2-pentanone	7.233	43	222181	55.994	ug/L	97
42) Toluene	7.387	91	173807	5.576	ug/L	99
44) trans-1,3-Dichloropropene	7.651	75	46304	5.810	ug/L	95
45) 1,1,2-Trichloroethane	7.841	97	29091	5.309	ug/L	98
47) Tetrachloroethene	7.973	164	35534	5.262	ug/L	98
48) 2-Hexanone	8.143	43	171906	59.253	ug/L	97
49) Dibromochloromethane	8.246	129	35216	5.490	ug/L	93
50) 1,2-Dibromoethane	8.352	107	28142	5.500	ug/L	97
51) Chlorobenzene	8.879	112	111888	5.463	ug/L	98
52) Ethylbenzene	9.011	91	173028	5.467	ug/L	100
53) m,p-xylene	9.137	106	67694	5.450	ug/L	96
54) o-xylene	9.545	106	65146	5.576	ug/L	96
55) Styrene	9.561	104	115584	5.741	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.243	83	30127	5.434	ug/L	94
59) Bromoform	9.731	173	19022	5.127	ug/L	98
60) Isopropylbenzene	9.931	105	176998	5.261	ug/L	99
61) 1,2,3-Trichloropropane	10.275	75	24032	5.222	ug/L	99
62) 1,3,5-Trimethylbenzene	10.538	105	140051	5.152	ug/L	99
63) 1,2,4-Trimethylbenzene	10.915	105	146542	5.387	ug/L	99
64) 1,3-Dichlorobenzene	11.182	146	94313	5.341	ug/L	98
65) 1,4-Dichlorobenzene	11.275	146	94266	5.258	ug/L	98
67) 1,2-Dichlorobenzene	11.645	146	88866	5.365	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.429	75	4309	5.144	ug/L	98
69) 1,3,5-Trichlorobenzene	12.648	180	73238	5.506	ug/L	97
70) 1,2,4-trichlorobenzene	13.262	180	56550	5.565	ug/L	99
71) Naphthalene	13.503	128	81916	5.072	ug/L	98
72) 1,2,3-Trichlorobenzene	13.744	180	52111	5.439	ug/L	99

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

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