

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041323\
 Data File : VW030533.D
 Acq On : 13 Apr 2023 09:51
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005332

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/14/2023
 Supervised By : Mahesh Dadoda 04/14/2023

Quant Time: Apr 14 05:11:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Apr 13 02:44:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	131713	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	130122	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	74376	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	54543	6.252	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	125.000%
7) Chloroethane-d5	1.536	69	40812	4.821	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.400%
11) 1,1-Dichloroethene-d2	2.063	63	107934	5.214	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.200%
20) 2-Butanone-d5	3.841	46	80356	35.639	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	71.280%
24) Chloroform-d	4.259	84	92988	4.404	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.000%
26) 1,2-Dichloroethane-d4	4.953	65	45433	4.561	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.200%
32) Benzene-d6	4.970	84	169306	4.617	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.400%
36) 1,2-Dichloropropane-d6	5.998	67	49115	4.278	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.600%
41) Toluene-d8	7.249	98	165294	4.909	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.200%
43) trans-1,3-Dichloroprop...	7.561	79	18467	4.273	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.400%
46) 2-Hexanone-d5	8.037	63	69077	39.773	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.540%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	37440	4.138	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.800%
66) 1,2-Dichlorobenzene-d4	11.571	152	57290	4.310	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	65117	3.889	ug/L	97
3) Chloromethane	1.214	50	80452	3.808	ug/L	100
5) Vinyl chloride	1.282	62	64639	4.196	ug/L	98
6) Bromomethane	1.491	94	21758	4.953	ug/L	95
8) Chloroethane	1.552	64	38951	4.414	ug/L	95
9) Trichlorofluoromethane	1.716	101	107572	4.791	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	54739	4.417	ug/L	99
12) 1,1-Dichloroethene	2.069	96	50868	4.622	ug/L	91
13) Acetone	2.172	43	72377	33.568	ug/L	88
14) Carbon disulfide	2.243	76	148934	4.108	ug/L	98
15) Methyl Acetate	2.394	43	17889m	4.643	ug/L	
16) Methylene chloride	2.452	84	55533	4.266	ug/L	99
17) Methyl tert-butyl Ether	2.712	73	102583	4.401	ug/L	100
18) trans-1,2-Dichloroethene	2.700	96	49483	4.268	ug/L	94
19) 1,1-Dichloroethane	3.118	63	98875	4.399	ug/L	97
21) 2-Butanone	3.918	43	97277	35.846	ug/L	98
22) cis-1,2-Dichloroethene	3.825	96	50589	4.348	ug/L	95
23) Bromochloromethane	4.156	128	24402	4.490	ug/L	94
25) Chloroform	4.285	83	106379	4.684	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.050	62	62100	4.522	ug/L #	95
29) 1,1,1-Trichloroethane	4.519	97	96885	4.632	ug/L	99
30) Cyclohexane	4.590	56	76326	4.006	ug/L	96
31) Carbon tetrachloride	4.744	117	86987	4.584	ug/L	98
33) Benzene	5.018	78	212752	4.603	ug/L	100
34) Trichloroethene	5.841	95	53241	4.271	ug/L	97
35) Methylcyclohexane	6.056	83	79467	4.062	ug/L	99
37) 1,2-Dichloropropane	6.101	63	52825	4.452	ug/L	100
38) Bromodichloromethane	6.442	83	71365	4.593	ug/L	100
39) cis-1,3-Dichloropropene	6.963	75	67268	4.032	ug/L	100
40) 4-Methyl-2-pentanone	7.169	43	282929	45.252	ug/L	100
42) Toluene	7.323	91	234243	4.759	ug/L	100
44) trans-1,3-Dichloropropene	7.590	75	57007	4.016	ug/L	98
45) 1,1,2-Trichloroethane	7.777	97	37502	4.489	ug/L	95
47) Tetrachloroethene	7.912	164	48272	4.388	ug/L	98
48) 2-Hexanone	8.088	43	202412	43.227	ug/L	98
49) Dibromochloromethane	8.185	129	46558	4.682	ug/L	96
50) 1,2-Dibromoethane	8.291	107	33469	4.403	ug/L	93
51) Chlorobenzene	8.821	112	145100	4.603	ug/L	96
52) Ethylbenzene	8.953	91	242286	4.499	ug/L	98
53) m,p-Xylene	9.082	106	94201	4.569	ug/L	98
54) o-Xylene	9.487	106	90942	4.610	ug/L	99
55) Styrene	9.503	104	158972	4.745	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.185	83	43571	4.394	ug/L	100
59) Bromoform	9.674	173	27202	4.525	ug/L	99
60) Isopropylbenzene	9.876	105	248021	4.522	ug/L	100
61) 1,2,3-Trichloropropane	10.220	75	29451	4.429	ug/L	97
62) 1,3,5-Trimethylbenzene	10.484	105	196879	4.399	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	204287	4.479	ug/L	100
64) 1,3-Dichlorobenzene	11.127	146	127220	4.651	ug/L	100
65) 1,4-Dichlorobenzene	11.217	146	128673	4.670	ug/L	98
67) 1,2-Dichlorobenzene	11.590	146	114274	4.636	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.374	75	6829	4.129	ug/L	92
69) 1,3,5-Trichlorobenzene	12.590	180	92975	4.415	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	70208	4.318	ug/L	98
71) Naphthalene	13.448	128	93131	4.010	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	60357	4.285	ug/L	99

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

