

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102723\
 Data File : VW032679.D
 Acq On : 27 Oct 2023 12:55
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005305

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/30/2023
 Supervised By : Mahesh Dadoda 10/31/2023

Quant Time: Oct 28 00:11:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Oct 28 00:03:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	154914	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	173148	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	91002	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	62444	4.908	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.200%
7) Chloroethane-d5	1.532	69	53214	4.922	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.400%
11) 1,1-Dichloroethene-d2	2.056	65	24646	4.316	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.400%
20) 2-Butanone-d5	3.838	46	128181	46.655	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.300%
24) Chloroform-d	4.256	84	104260	4.935	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.800%
26) 1,2-Dichloroethane-d4	4.950	65	51129	4.902	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.000%
32) Benzene-d6	4.963	84	206408	5.007	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.200%
36) 1,2-Dichloropropane-d6	5.992	67	60999	5.110	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.200%
41) Toluene-d8	7.246	98	214058	5.122	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.400%
43) trans-1,3-Dichloroprop...	7.558	79	26068	4.949	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.000%
46) 2-Hexanone-d5	8.034	63	110981	53.163	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.320%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	51617	4.862	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.200%
66) 1,2-Dichlorobenzene-d4	11.564	152	74361	5.004	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	74951	4.714	ug/L	99
3) Chloromethane	1.214	50	91966	4.902	ug/L	100
5) Vinyl chloride	1.281	62	91039	4.890	ug/L	99
6) Bromomethane	1.487	94	51653	4.754	ug/L	100
8) Chloroethane	1.548	64	58336	4.791	ug/L	100
9) Trichlorofluoromethane	1.712	101	118693	4.736	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	67664	4.578	ug/L	99
12) 1,1-Dichloroethene	2.069	96	64776	4.678	ug/L	94
13) Acetone	2.153	43	123967m	45.706	ug/L	
14) Carbon disulfide	2.240	76	219147	4.996	ug/L	100
15) Methyl Acetate	2.394	43	25284	4.655	ug/L	92
16) Methylene chloride	2.449	84	79444	4.662	ug/L	99
17) Methyl tert-butyl Ether	2.709	73	151276	5.061	ug/L	99
18) trans-1,2-Dichloroethene	2.696	96	67884	4.958	ug/L	96
19) 1,1-Dichloroethane	3.111	63	117109	4.824	ug/L	100
21) 2-Butanone	3.908	43	176098	49.110	ug/L	95
22) cis-1,2-Dichloroethene	3.818	96	68291	4.920	ug/L	99
23) Bromochloromethane	4.156	128	32576	5.045	ug/L	98
25) Chloroform	4.281	83	126991	4.812	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	78858	4.808	ug/L	98
29) 1,1,1-Trichloroethane	4.516	97	107267	4.803	ug/L	99
30) Cyclohexane	4.584	56	93195	4.951	ug/L	98
31) Carbon tetrachloride	4.735	117	94340	4.855	ug/L	99
33) Benzene	5.011	78	278413	5.101	ug/L	100
34) Trichloroethene	5.834	95	69592	4.773	ug/L	95
35) Methylcyclohexane	6.050	83	106181	4.873	ug/L	97
37) 1,2-Dichloropropane	6.098	63	69274	5.260	ug/L #	96
38) Bromodichloromethane	6.436	83	89808	4.616	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	106174	5.296	ug/L	99
40) 4-Methyl-2-pentanone	7.165	43	462097	54.380	ug/L	99
42) Toluene	7.317	91	327562	5.166	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	92388	5.355	ug/L	98
45) 1,1,2-Trichloroethane	7.773	97	55936	5.029	ug/L	99
47) Tetrachloroethene	7.908	164	63472	4.926	ug/L	95
48) 2-Hexanone	8.082	43	336572	54.153	ug/L	98
49) Dibromochloromethane	8.178	129	66425	5.035	ug/L	99
50) 1,2-Dibromoethane	8.288	107	53429	5.147	ug/L	99
51) Chlorobenzene	8.815	112	208555	4.978	ug/L	100
52) Ethylbenzene	8.950	91	345677	5.186	ug/L	99
53) m,p-Xylene	9.075	106	133406	5.285	ug/L	94
54) o-Xylene	9.480	106	128108	5.232	ug/L	95
55) Styrene	9.500	104	217147	5.353	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.181	83	66680	5.140	ug/L	99
59) Bromoform	9.670	173	35674	4.997	ug/L	97
60) Isopropylbenzene	9.869	105	320138	5.184	ug/L	99
61) 1,2,3-Trichloropropane	10.214	75	47118	4.896	ug/L	97
62) 1,3,5-Trimethylbenzene	10.477	105	260092	5.151	ug/L	100
63) 1,2,4-Trimethylbenzene	10.853	105	265222	5.316	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	166783	5.033	ug/L	98
65) 1,4-Dichlorobenzene	11.210	146	163926	4.983	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	155775	5.111	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	10289	4.473	ug/L	94
69) 1,3,5-Trichlorobenzene	12.583	180	116832	4.939	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	99593	4.962	ug/L	98
71) Naphthalene	13.442	128	176669	5.554	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	92918	5.265	ug/L	98

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

Manual Integrations

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