

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102723\
 Data File : VW032674.D
 Acq On : 27 Oct 2023 10:47
 Operator : SY/MD
 Sample : VSTD00105
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD001205

Manual Integrations
 APPROVED

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

Quant Time: Oct 27 23:37:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 27 23:36:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	139621	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	157925	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	76281	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	11262	0.984	ug/L	0.00
7) Chloroethane-d5	1.532	69	9719m	1.039	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.056	65	4821m	0.997	ug/L	0.00
20) 2-Butanone-d5	3.880	46	22249m	7.943	ug/L	0.05
24) Chloroform-d	4.256	84	17131	0.855	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.953	65	8794	0.929	ug/L	0.00
32) Benzene-d6	4.966	84	33516	0.756	ug/L	0.00
36) 1,2-Dichloropropane-d6	5.992	67	9734	0.666	ug/L	0.00
41) Toluene-d8	7.249	98	34225	0.823	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.567	79	4458m	0.853	ug/L	0.00
46) 2-Hexanone-d5	8.040	63	13513	5.600	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.159	84	9319	0.892	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	11738	0.856	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	13960	0.904	ug/L	98
3) Chloromethane	1.214	50	16214	1.009	ug/L	100
5) Vinyl chloride	1.282	62	16152	1.046	ug/L	99
6) Bromomethane	1.487	94	9919	1.078	ug/L	98
8) Chloroethane	1.548	64	10187	1.082	ug/L	93
9) Trichlorofluoromethane	1.712	101	21303	1.120	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	12840	1.122	ug/L	94
12) 1,1-Dichloroethene	2.069	96	11634	1.078	ug/L	89
13) Acetone	2.156	43	25963m	11.624	ug/L	
14) Carbon disulfide	2.240	76	35888	0.972	ug/L	97
15) Methyl Acetate	2.397	43	4563m	0.933	ug/L	
16) Methylene chloride	2.446	84	15658	1.122	ug/L	95
17) Methyl tert-butyl Ether	2.706	73	24089	0.865	ug/L	95
18) trans-1,2-Dichloroethene	2.696	96	11884	0.991	ug/L	95
19) 1,1-Dichloroethane	3.114	63	20736	0.933	ug/L	99
21) 2-Butanone	3.934	43	29767m	8.674	ug/L	
22) cis-1,2-Dichloroethene	3.822	96	11450	0.901	ug/L	97
23) Bromochloromethane	4.153	128	5419m	0.991	ug/L	
25) Chloroform	4.281	83	23058	1.032	ug/L	96
27) 1,2-Dichloroethane	5.053	62	12723	0.953	ug/L	96
29) 1,1,1-Trichloroethane	4.513	97	19695	0.931	ug/L	99
30) Cyclohexane	4.584	56	15016	0.674	ug/L	98
31) Carbon tetrachloride	4.735	117	17141	0.948	ug/L	99
33) Benzene	5.015	78	46126	0.846	ug/L	100
34) Trichloroethene	5.838	95	12489	0.847	ug/L	94
35) Methylcyclohexane	6.053	83	15922	0.695	ug/L #	84
37) 1,2-Dichloropropane	6.098	63	11925	0.834	ug/L	100
38) Bromodichloromethane	6.439	83	18112	1.042	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	14746	0.708	ug/L	96
40) 4-Methyl-2-pentanone	7.166	43	64123	7.045	ug/L	98
42) Toluene	7.320	91	50259	0.843	ug/L	98
44) trans-1,3-Dichloropropene	7.590	75	12689	0.738	ug/L	98

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

45) 1,1,2-Trichloroethane	7.773	97	9862	0.949	ug/L	97
47) Tetrachloroethene	7.912	164	11186	0.962	ug/L	94
48) 2-Hexanone	8.088	43	47813m	7.482	ug/L	
49) Dibromochloromethane	8.182	129	11475	1.031	ug/L	93
50) 1,2-Dibromoethane	8.288	107	8808	0.896	ug/L	100
51) Chlorobenzene	8.818	112	36797	0.964	ug/L	96
52) Ethylbenzene	8.950	91	51252	0.784	ug/L	99
53) m,p-Xylene	9.079	106	19841	0.817	ug/L	91
54) o-Xylene	9.481	106	18738	0.796	ug/L	98
55) Styrene	9.503	104	28891	0.730	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.182	83	11134	0.963	ug/L	96
59) Bromoform	9.670	173	5851	1.037	ug/L	100
60) Isopropylbenzene	9.870	105	45551	0.786	ug/L	97
61) 1,2,3-Trichloropropane	10.217	75	7870	0.974	ug/L	96
62) 1,3,5-Trimethylbenzene	10.477	105	35404	0.750	ug/L	97
63) 1,2,4-Trimethylbenzene	10.857	105	33396	0.710	ug/L	98
64) 1,3-Dichlorobenzene	11.120	146	26044	0.921	ug/L	100
65) 1,4-Dichlorobenzene	11.214	146	24986	0.883	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	23769	0.923	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	1971m	1.184	ug/L	
69) 1,3,5-Trichlorobenzene	12.587	180	18377	0.897	ug/L	98
70) 1,2,4-trichlorobenzene	13.204	180	15242	0.846	ug/L	98
71) Naphthalene	13.445	128	20437	0.678	ug/L #	91
72) 1,2,3-Trichlorobenzene	13.686	180	13210	0.847	ug/L	95

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

