

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102723\
 Data File : VW032673.D
 Acq On : 27 Oct 2023 10:16
 Operator : SY/MD
 Sample : VSTD0.504
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.5204

Manual Integrations
 APPROVED

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

Quant Time: Oct 27 23:37:16 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	5.538	114	139484	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	157526	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	75858	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	5464	0.478	ug/L	0.00
7) Chloroethane-d5	1.532	69	4800	0.514	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.059	65	2575	0.533	ug/L	0.00
20) 2-Butanone-d5	3.895	46	12522m	4.475	ug/L	0.06
24) Chloroform-d	4.249	84	8316m	0.416	ug/L	0.00
26) 1,2-Dichloroethane-d4	4.960	65	4492	0.475	ug/L	0.01
32) Benzene-d6	4.966	84	17279m	0.391	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.001	67	5168	0.354	ug/L	0.01
41) Toluene-d8	7.255	98	16111	0.388	ug/L	0.01
43) trans-1,3-Dichloroprop...	7.574	79	2216	0.425	ug/L	0.02
46) 2-Hexanone-d5	8.046	63	7365m	3.060	ug/L	0.02
56) 1,1,2,2-Tetrachloroeth...	10.162	84	4707	0.452	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.567	152	6299	0.462	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	7853	0.509	ug/L	97
3) Chloromethane	1.217	50	9643	0.600	ug/L	89
5) Vinyl chloride	1.281	62	9172	0.595	ug/L	92
6) Bromomethane	1.487	94	5498	0.598	ug/L	99
8) Chloroethane	1.551	64	6684	0.710	ug/L	95
9) Trichlorofluoromethane	1.712	101	10918	0.575	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	7030	0.615	ug/L	95
12) 1,1-Dichloroethene	2.072	96	6072	0.563	ug/L	85
13) Acetone	2.153	43	14357m	6.434	ug/L	
14) Carbon disulfide	2.240	76	19993	0.542	ug/L	99
15) Methyl Acetate	2.397	43	2753m	0.564	ug/L	
16) Methylene chloride	2.449	84	9250	0.664	ug/L	90
17) Methyl tert-butyl Ether	2.709	73	13717	0.493	ug/L #	89
18) trans-1,2-Dichloroethene	2.696	96	6138	0.512	ug/L	86
19) 1,1-Dichloroethane	3.114	63	11124	0.501	ug/L	99
21) 2-Butanone	3.934	43	16421m	4.790	ug/L	
22) cis-1,2-Dichloroethene	3.831	96	6048	0.477	ug/L	96
23) Bromochloromethane	4.166	128	2763	0.506	ug/L	77
25) Chloroform	4.288	83	11871	0.532	ug/L	100
27) 1,2-Dichloroethane	5.063	62	8372	0.628	ug/L #	84
29) 1,1,1-Trichloroethane	4.519	97	10809	0.512	ug/L	100
30) Cyclohexane	4.587	56	8482	0.382	ug/L #	93
31) Carbon tetrachloride	4.738	117	9330	0.517	ug/L	99
33) Benzene	5.014	78	23129	0.425	ug/L	100
34) Trichloroethene	5.844	95	7260	0.493	ug/L	95
35) Methylcyclohexane	6.050	83	10098	0.442	ug/L	97
37) 1,2-Dichloropropane	6.104	63	5720	0.401	ug/L #	96
38) Bromodichloromethane	6.442	83	9575	0.552	ug/L	90
39) cis-1,3-Dichloropropene	6.969	75	8234	0.397	ug/L	98
40) 4-Methyl-2-pentanone	7.172	43	33468	3.686	ug/L	94
42) Toluene	7.323	91	26856	0.452	ug/L	97
44) trans-1,3-Dichloropropene	7.593	75	7289	0.425	ug/L	99

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

45) 1,1,2-Trichloroethane	7.780	97	5318	0.513	ug/L	86
47) Tetrachloroethene	7.908	164	6209	0.535	ug/L	87
48) 2-Hexanone	8.095	43	24856m	3.900	ug/L	
49) Dibromochloromethane	8.181	129	6197	0.558	ug/L	89
50) 1,2-Dibromoethane	8.291	107	4831	0.493	ug/L #	99
51) Chlorobenzene	8.818	112	19020	0.499	ug/L	96
52) Ethylbenzene	8.950	91	27043	0.415	ug/L	94
53) m,p-Xylene	9.082	106	9939	0.410	ug/L	96
54) o-Xylene	9.484	106	9505	0.405	ug/L	95
55) Styrene	9.506	104	14392	0.365	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.185	83	5925	0.514	ug/L #	95
59) Bromoform	9.673	173	3085	0.550	ug/L	96
60) Isopropylbenzene	9.873	105	23336	0.405	ug/L	98
61) 1,2,3-Trichloropropane	10.217	75	4684	0.583	ug/L #	87
62) 1,3,5-Trimethylbenzene	10.480	105	18471	0.393	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	17346	0.371	ug/L	94
64) 1,3-Dichlorobenzene	11.123	146	14088	0.501	ug/L	97
65) 1,4-Dichlorobenzene	11.213	146	15036	0.534	ug/L	97
67) 1,2-Dichlorobenzene	11.586	146	13205	0.516	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.374	75	1300	0.785	ug/L #	82
69) 1,3,5-Trichlorobenzene	12.590	180	10440	0.512	ug/L	96
70) 1,2,4-trichlorobenzene	13.204	180	8876	0.496	ug/L	94
71) Naphthalene	13.448	128	14725	0.491	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	7224	0.466	ug/L	97

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

