

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW110421\
 Data File : VW023198.D
 Acq On : 04 Nov 2021 12:47
 Operator : SY/MD
 Sample : VSTD00148
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD001248

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/11/2021
 Supervised By : Mahesh Dadoda 11/11/2021

Quant Time: Nov 08 12:55:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Nov 08 12:49:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	135287	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	131492	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	69383	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	8617	0.729	ug/L	0.00
7) Chloroethane-d5	1.568	69	6859	0.938	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.111	63	15736	0.923	ug/L	0.00
20) 2-Butanone-d5	3.940	46	13054m	6.884	ug/L	0.04
24) Chloroform-d	4.352	84	17430	0.907	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.040	65	7782	0.859	ug/L	0.00
32) Benzene-d6	5.056	84	31725	0.826	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.075	67	9885	0.836	ug/L	0.00
41) Toluene-d8	7.320	98	28845	0.836	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.635	79	3720	0.898	ug/L	0.00
46) 2-Hexanone-d5	8.098	63	10708	6.985	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.220	84	6991	0.857	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.625	152	11152	0.901	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.127	85	12518	1.459	ug/L	97
3) Chloromethane	1.240	50	11024	1.188	ug/L	91
5) Vinyl chloride	1.310	62	10988	1.147	ug/L	95
6) Bromomethane	1.523	94	6713	1.387	ug/L	92
8) Chloroethane	1.584	64	6372	1.272	ug/L	100
9) Trichlorofluoromethane	1.754	101	16059	1.242	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	7985	1.083	ug/L	95
12) 1,1-Dichloroethene	2.121	96	7863	1.135	ug/L	84
13) Acetone	2.204	43	9091m	9.771	ug/L	
14) Carbon disulfide	2.294	76	28483	1.510	ug/L	96
15) Methyl Acetate	2.449	43	2264	0.640	ug/L #	77
16) Methylene chloride	2.510	84	12142	1.596	ug/L	98
17) Methyl tert-butyl Ether	2.773	73	16541	1.000	ug/L	94
18) trans-1,2-Dichloroethene	2.764	96	9279	1.255	ug/L	96
19) 1,1-Dichloroethane	3.191	63	15816	1.164	ug/L	95
21) 2-Butanone	4.018	43	12493m	6.859	ug/L	
22) cis-1,2-Dichloroethene	3.928	96	8555	1.020	ug/L #	95
23) Bromochloromethane	4.259	128	4254	1.118	ug/L #	83
25) Chloroform	4.381	83	17200	0.958	ug/L	99
27) 1,2-Dichloroethane	5.143	62	9112	0.962	ug/L	100
29) 1,1,1-Trichloroethane	4.612	97	15080	1.015	ug/L	98
30) Cyclohexane	4.680	56	12758	0.983	ug/L	98
31) Carbon tetrachloride	4.828	117	13151	1.029	ug/L	98
33) Benzene	5.104	78	33786	0.955	ug/L	100
34) Trichloroethene	5.921	95	8696	0.978	ug/L	86
35) Methylcyclohexane	6.133	83	13521	1.062	ug/L	97
37) 1,2-Dichloropropane	6.182	63	7386	0.828	ug/L #	96
38) Bromodichloromethane	6.516	83	10689	0.972	ug/L	94
39) cis-1,3-Dichloropropene	7.037	75	10633	0.957	ug/L	99
40) 4-Methyl-2-pentanone	7.233	43	31770	7.566	ug/L	96
42) Toluene	7.390	91	34053	0.950	ug/L	97
44) trans-1,3-Dichloropropene	7.661	75	8890	0.968	ug/L	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	7.844	97	6015	0.964	ug/L	93
47) Tetrachloroethene	7.979	164	7806	1.039	ug/L	92
48) 2-Hexanone	8.149	43	22257	7.141	ug/L	97
49) Dibromochloromethane	8.249	129	7145	0.962	ug/L	93
50) 1,2-Dibromoethane	8.358	107	5223	0.930	ug/L	96
51) Chlorobenzene	8.886	112	23750	1.008	ug/L	95
52) Ethylbenzene	9.017	91	35588	1.000	ug/L	97
53) m,p-xylene	9.143	106	13005	0.911	ug/L	88
54) o-xylene	9.545	106	12605	0.938	ug/L	100
55) Styrene	9.564	104	21279	0.917	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.242	83	6665	0.956	ug/L	95
59) Bromoform	9.734	173	4031	0.997	ug/L	99
60) Isopropylbenzene	9.934	105	34244	0.976	ug/L	98
61) 1,2,3-Trichloropropane	10.278	75	4609	0.944	ug/L	96
62) 1,3,5-Trimethylbenzene	10.541	105	27165	0.964	ug/L	100
63) 1,2,4-Trimethylbenzene	10.914	105	26379	0.938	ug/L	99
64) 1,3-Dichlorobenzene	11.185	146	18516	1.003	ug/L	96
65) 1,4-Dichlorobenzene	11.275	146	19486	1.039	ug/L	97
67) 1,2-Dichlorobenzene	11.644	146	17435	1.014	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.435	75	860	0.893	ug/L	92
69) 1,3,5-Trichlorobenzene	12.648	180	14874	1.058	ug/L	99
70) 1,2,4-trichlorobenzene	13.265	180	11188	1.063	ug/L	97
71) Naphthalene	13.506	128	15847	0.991	ug/L	98
72) 1,2,3-Trichlorobenzene	13.744	180	9886	1.012	ug/L	98

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

