

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW120721\
 Data File : VW023810.D
 Acq On : 07 Dec 2021 09:42
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005381

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/08/2021
 Supervised By : Mahesh Dadoda 12/08/2021

Quant Time: Dec 08 01:14:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 02 02:08:23 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	168828	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	161517	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	89710	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	61736	4.454	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.000%
7) Chloroethane-d5	1.568	69	45478	4.175	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.400%
11) 1,1-Dichloroethene-d2	2.108	63	107334	4.394	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.800%
20) 2-Butanone-d5	3.899	46	68369	41.035	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.080%
24) Chloroform-d	4.342	84	112868	4.677	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
26) 1,2-Dichloroethane-d4	5.027	65	49876	4.424	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.400%
32) Benzene-d6	5.047	84	218146	4.958	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.200%
36) 1,2-Dichloropropane-d6	6.066	67	58800	4.767	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.400%
41) Toluene-d8	7.313	98	211321	5.140	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.800%
43) trans-1,3-Dichloroprop...	7.619	79	25647	5.158	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.200%
46) 2-Hexanone-d5	8.088	63	99368	60.153	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.300%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	43478	4.898	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.000%
66) 1,2-Dichlorobenzene-d4	11.622	152	79328	5.002	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.000%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.130	85	77551	4.841	ug/L	99
3) Chloromethane	1.240	50	61880	4.444	ug/L	100
5) Vinyl chloride	1.310	62	68282	4.669	ug/L	97
6) Bromomethane	1.523	94	36953	4.456	ug/L	98
8) Chloroethane	1.584	64	42258	4.560	ug/L	97
9) Trichlorofluoromethane	1.754	101	114570	4.808	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	60143	5.036	ug/L	98
12) 1,1-Dichloroethene	2.117	96	54999	4.862	ug/L	95
13) Acetone	2.191	43	61858m	41.260	ug/L	
14) Carbon disulfide	2.294	76	172281	4.531	ug/L	100
15) Methyl Acetate	2.442	43	11371	3.342	ug/L #	79
16) Methylene chloride	2.506	84	63304	3.922	ug/L	99
17) Methyl tert-butyl Ether	2.767	73	130833	5.644	ug/L	99
18) trans-1,2-Dichloroethene	2.757	96	64495	5.006	ug/L	99
19) 1,1-Dichloroethane	3.188	63	111218	5.134	ug/L	99
21) 2-Butanone	3.986	43	85992	45.317	ug/L	94
22) cis-1,2-Dichloroethene	3.908	96	67398	5.455	ug/L	98
23) Bromochloromethane	4.246	128	31368	5.410	ug/L	94
25) Chloroform	4.368	83	120585	4.996	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.127	62	65380	5.096	ug/L	97
29) 1,1,1-Trichloroethane	4.603	97	114542	5.427	ug/L	99
30) Cyclohexane	4.674	56	99696	5.660	ug/L	98
31) Carbon tetrachloride	4.825	117	103250	5.340	ug/L	99
33) Benzene	5.095	78	253104	5.497	ug/L	100
34) Trichloroethene	5.911	95	67938	5.508	ug/L	99
35) Methylcyclohexane	6.127	83	111990	5.824	ug/L	95
37) 1,2-Dichloropropane	6.169	63	58011	5.300	ug/L	99
38) Bromodichloromethane	6.506	83	82547	5.557	ug/L	98
39) cis-1,3-Dichloropropene	7.024	75	89491	5.745	ug/L	97
40) 4-Methyl-2-pentanone	7.223	43	306171	58.597	ug/L	99
42) Toluene	7.384	91	284577	5.699	ug/L	99
44) trans-1,3-Dichloropropene	7.648	75	76473	5.842	ug/L	100
45) 1,1,2-Trichloroethane	7.837	97	43721	5.769	ug/L	98
47) Tetrachloroethene	7.972	164	62371	5.555	ug/L	99
48) 2-Hexanone	8.140	43	225051	58.276	ug/L	97
49) Dibromochloromethane	8.243	129	57761	5.562	ug/L	100
50) 1,2-Dibromoethane	8.349	107	40715	5.509	ug/L	95
51) Chlorobenzene	8.879	112	182040	5.498	ug/L	99
52) Ethylbenzene	9.011	91	305544	5.853	ug/L	100
53) m,p-xylene	9.136	106	118853	5.721	ug/L	95
54) o-xylene	9.542	106	115424	5.842	ug/L	99
55) Styrene	9.558	104	195883	5.884	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.239	83	47125	5.589	ug/L	98
59) Bromoform	9.731	173	32303	5.452	ug/L	97
60) Isopropylbenzene	9.927	105	317963	5.936	ug/L	99
61) 1,2,3-Trichloropropane	10.271	75	34243	5.382	ug/L	98
62) 1,3,5-Trimethylbenzene	10.538	105	266726	5.984	ug/L	99
63) 1,2,4-Trimethylbenzene	10.911	105	271987	6.171	ug/L	99
64) 1,3-Dichlorobenzene	11.178	146	155675	5.684	ug/L	98
65) 1,4-Dichlorobenzene	11.271	146	153012	5.559	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	138745	5.535	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.429	75	7426	5.878	ug/L	93
69) 1,3,5-Trichlorobenzene	12.644	180	125943	5.890	ug/L	99
70) 1,2,4-trichlorobenzene	13.258	180	96156	5.796	ug/L	98
71) Naphthalene	13.503	128	140712	6.302	ug/L	98
72) 1,2,3-Trichlorobenzene	13.744	180	85029	5.915	ug/L	99

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

