

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112321\
 Data File : VU045949.D
 Acq On : 23 Nov 2021 12:09
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005132

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/24/2021
 Supervised By : Mahesh Dadoda 11/28/2021

Quant Time: Nov 24 00:17:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Nov 22 03:50:15 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	99520	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	99340	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	51987	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	40397	5.123	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 102.400%		
7) Chloroethane-d5	1.919	69	29733	5.180	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 103.600%		
11) 1,1-Dichloroethene-d2	2.571	65	16502	4.990	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 99.800%		
20) 2-Butanone-d5	4.652	46	118515	56.088	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	= 112.180%		
24) Chloroform-d	5.070	84	66596	5.070	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 101.400%		
26) 1,2-Dichloroethane-d4	5.706	65	38436	4.987	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 99.800%		
32) Benzene-d6	5.732	84	137664	5.032	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 100.600%		
36) 1,2-Dichloropropane-d6	6.697	67	41291	4.789	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 95.800%		
41) Toluene-d8	7.902	98	126249	5.101	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 102.000%		
43) trans-1,3-Dichloroprop...	8.182	79	18414	5.261	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 105.200%		
46) 2-Hexanone-d5	8.639	63	90233	57.278	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 114.560%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	39649	5.443	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 108.800%		
66) 1,2-Dichlorobenzene-d4	12.195	152	45946	5.147	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 103.000%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	36809	4.543	ug/L	99
3) Chloromethane	1.520	50	35604	4.146	ug/L	98
5) Vinyl chloride	1.607	62	37344	4.333	ug/L	98
6) Bromomethane	1.861	94	22373	4.377	ug/L	98
8) Chloroethane	1.938	64	23018	4.684	ug/L	98
9) Trichlorofluoromethane	2.144	101	53854	4.840	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	31147	4.774	ug/L	97
12) 1,1-Dichloroethene	2.584	96	29213	4.742	ug/L	95
13) Acetone	2.681	43	71960m	57.860	ug/L	
14) Carbon disulfide	2.800	76	79783	4.095	ug/L	99
15) Methyl Acetate	2.967	43	16820	5.512	ug/L	98
16) Methylene chloride	3.054	84	36501	4.013	ug/L	97
17) Methyl tert-butyl Ether	3.369	73	85567	5.335	ug/L	99
18) trans-1,2-Dichloroethene	3.359	96	30345	4.595	ug/L	94
19) 1,1-Dichloroethane	3.877	63	58408	4.721	ug/L	99
21) 2-Butanone	4.732	43	119431	57.074	ug/L	98
22) cis-1,2-Dichloroethene	4.674	96	35402	4.944	ug/L	98
23) Bromochloromethane	4.980	128	16503	5.288	ug/L	95
25) Chloroform	5.092	83	62366	4.647	ug/L	98

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27) 1,2-Dichloroethane	5.800	62	42889	5.008	ug/L	99
29) 1,1,1-Trichloroethane	5.321	97	53104	4.920	ug/L	99
30) Cyclohexane	5.395	56	48097	4.493	ug/L	97
31) Carbon tetrachloride	5.530	117	43271	4.768	ug/L	100
33) Benzene	5.777	78	131351	4.738	ug/L	100
34) Trichloroethene	6.546	95	34279	4.798	ug/L	97
35) Methylcyclohexane	6.767	83	54017	4.923	ug/L	97
37) 1,2-Dichloropropane	6.796	63	35110	4.813	ug/L	100
38) Bromodichloromethane	7.112	83	45386	5.042	ug/L	97
39) cis-1,3-Dichloropropene	7.610	75	53271	5.139	ug/L	98
40) 4-Methyl-2-pentanone	7.796	43	270815	56.596	ug/L	98
42) Toluene	7.973	91	143794	5.025	ug/L	98
44) trans-1,3-Dichloropropene	8.214	75	47337	5.249	ug/L	100
45) 1,1,2-Trichloroethane	8.404	97	28545	5.271	ug/L	96
47) Tetrachloroethene	8.555	164	24986	4.996	ug/L	98
48) 2-Hexanone	8.687	43	205715	59.510	ug/L	98
49) Dibromochloromethane	8.812	129	32341	5.243	ug/L	99
50) 1,2-Dibromoethane	8.928	107	27811	5.451	ug/L	97
51) Chlorobenzene	9.449	112	92292	5.142	ug/L	98
52) Ethylbenzene	9.574	91	156366	5.221	ug/L	100
53) m,p-Xylene	9.697	106	61013	5.318	ug/L	94
54) o-Xylene	10.105	106	59463	5.371	ug/L	94
55) Styrene	10.118	104	101298	5.435	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.787	83	38250	5.514	ug/L	95
59) Bromoform	10.295	173	18655	5.418	ug/L	98
60) Isopropylbenzene	10.488	105	158971	5.209	ug/L	99
61) 1,2,3-Trichloropropane	10.825	75	29082	5.389	ug/L	97
62) 1,3,5-Trimethylbenzene	11.092	105	131248	5.259	ug/L	99
63) 1,2,4-Trimethylbenzene	11.471	105	133595	5.343	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	74702	5.247	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	73940	5.112	ug/L	98
67) 1,2-Dichlorobenzene	12.214	146	71478	5.236	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	5904	5.258	ug/L	89
69) 1,3,5-Trichlorobenzene	13.221	180	54816	5.147	ug/L	99
70) 1,2,4-trichlorobenzene	13.841	180	47702	5.293	ug/L	100
71) Naphthalene	14.089	128	104371	5.637	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	47693	5.318	ug/L	98

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

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