

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052421\
 Data File : VU043913.D
 Acq On : 24 May 2021 16:52
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD005141

Manual Integrations
 APPROVED

MMDadoda
 5/26/2021 12:01:04 PM

Quant Time: May 25 04:03:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR052421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue May 25 03:54:19 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	244744	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	239935	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	134829	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	58539	4.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.00%
7) Chloroethane-d5	1.912	69	43418	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.40%
11) 1,1-Dichloroethene-d2	2.565	65	33651	5.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.60%
20) 2-Butanone-d5	4.678	46	221686	51.32	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.64%
24) Chloroform-d	5.073	84	154368	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.710	65	77252	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.735	84	317567	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
36) 1,2-Dichloropropane-d6	6.700	67	97920	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.906	98	303912	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.40%
43) trans-1,3-Dichloroprop...	8.185	79	38865	5.25	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.00%
46) 2-Hexanone-d5	8.648	63	182830	56.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.74%
56) 1,1,2,2-Tetrachloroeth...	10.764	84	88862	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.60%
66) 1,2-Dichlorobenzene-d4	12.198	152	123184	5.03	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.60%
Target Compounds						
2) Dichlorodifluoromethane	1.388	85	84058	5.00	ug/L	98
3) Chloromethane	1.520	50	78139	4.46	ug/L	100
5) Vinyl chloride	1.601	62	72314	4.42	ug/L	99
6) Bromomethane	1.858	94	45785	4.59	ug/L	98
8) Chloroethane	1.932	64	39543	4.42	ug/L	97
9) Trichlorofluoromethane	2.137	101	101936	4.64	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	83555	5.18	ug/L	100
12) 1,1-Dichloroethene	2.578	96	81557	5.16	ug/L	96
13) Acetone	2.716	43	123968m	54.42	ug/L	
14) Carbon disulfide	2.790	76	246570	5.18	ug/L	99
15) Methyl Acetate	2.983	43	32251	5.05	ug/L #	84
16) Methylene chloride	3.051	84	104925	5.18	ug/L	98
17) Methyl tert-butyl Ether	3.379	73	179969	5.26	ug/L	100
18) trans-1,2-Dichloroethene	3.356	96	84017	5.20	ug/L	99
19) 1,1-Dichloroethane	3.877	63	148089	5.25	ug/L	98
21) 2-Butanone	4.764	43	184119	40.73	ug/L	85
22) cis-1,2-Dichloroethene	4.674	96	88806	5.05	ug/L	99
23) Bromochloromethane	4.983	128	44675	4.95	ug/L	96
25) Chloroform	5.096	83	152767	4.87	ug/L	97

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27) 1,2-Dichloroethane	5.803	62	92219	4.97	ug/L	99
29) 1,1,1-Trichloroethane	5.324	97	127326	5.12	ug/L	99
30) Cyclohexane	5.395	56	124186	5.46	ug/L	100
31) Carbon tetrachloride	5.530	117	106169	4.99	ug/L	100
33) Benzene	5.780	78	343576	5.30	ug/L	100
34) Trichloroethene	6.549	95	87544	5.18	ug/L	99
35) Methylcyclohexane	6.771	83	132584	5.39	ug/L	99
37) 1,2-Dichloropropane	6.800	63	87783	5.11	ug/L	98
38) Bromodichloromethane	7.112	83	105725	5.12	ug/L	99
39) cis-1,3-Dichloropropene	7.613	75	116084	5.20	ug/L	99
40) 4-Methyl-2-pentanone	7.806	43	534066	55.17	ug/L	100
42) Toluene	7.976	91	376369	5.50	ug/L	100
44) trans-1,3-Dichloropropene	8.218	75	102375	5.34	ug/L	98
45) 1,1,2-Trichloroethane	8.407	97	68119	5.18	ug/L	99
47) Tetrachloroethene	8.558	164	75676	5.20	ug/L	98
48) 2-Hexanone	8.697	43	405027	56.04	ug/L	98
49) Dibromochloromethane	8.816	129	77231	5.07	ug/L	99
50) 1,2-Dibromoethane	8.931	107	64218	5.26	ug/L	99
51) Chlorobenzene	9.452	112	233811	5.24	ug/L	99
52) Ethylbenzene	9.574	91	373775	5.51	ug/L	99
53) m,p-Xylene	9.700	106	148560	5.54	ug/L	98
54) o-Xylene	10.108	106	141909	5.59	ug/L	98
55) Styrene	10.121	104	248831	5.69	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.790	83	85090	5.19	ug/L	98
59) Bromoform	10.298	173	46338	4.78	ug/L	100
60) Isopropylbenzene	10.491	105	370018	5.53	ug/L	100
61) 1,2,3-Trichloropropane	10.828	75	60911	4.92	ug/L	98
62) 1,3,5-Trimethylbenzene	11.095	105	293173	5.53	ug/L	100
63) 1,2,4-Trimethylbenzene	11.475	105	305243	5.62	ug/L	99
64) 1,3-Dichlorobenzene	11.751	146	196443	5.28	ug/L	99
65) 1,4-Dichlorobenzene	11.841	146	196325	5.28	ug/L	97
67) 1,2-Dichlorobenzene	12.217	146	188425	5.26	ug/L	99
68) 1,2-Dibromo-3-chloropr...	13.002	75	12191	5.15	ug/L	95
69) 1,3,5-Trichlorobenzene	13.224	180	151881	5.18	ug/L	99
70) 1,2,4-trichlorobenzene	13.844	180	122915	5.34	ug/L	100
71) Naphthalene	14.092	128	205182	5.56	ug/L	99
72) 1,2,3-Trichlorobenzene	14.336	180	122596	5.57	ug/L	99

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

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