

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090123\
 Data File : VU055043.D
 Acq On : 01 Sep 2023 15:41
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005104

Quant Time: Sep 01 23:41:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 01 23:32:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	203904	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	206730	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	116116	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	48223	5.046	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.000%
7) Chloroethane-d5	1.907	69	56145	5.075	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.600%
11) 1,1-Dichloroethene-d2	2.563	65	28058	5.153	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.000%
20) 2-Butanone-d5	4.628	46	149619	53.951	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.900%
24) Chloroform-d	5.062	84	132007	5.205	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.200%
26) 1,2-Dichloroethane-d4	5.698	65	66217	5.219	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.400%
32) Benzene-d6	5.724	84	265373	5.200	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.000%
36) 1,2-Dichloropropane-d6	6.689	67	82077	5.057	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.200%
41) Toluene-d8	7.894	98	242585	5.161	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.200%
43) trans-1,3-Dichloroprop...	8.177	79	23138	5.177	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.600%
46) 2-Hexanone-d5	8.631	63	98200	54.117	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.240%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	59606	5.222	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	83872	4.949	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	64510	5.444	ug/L	97
3) Chloromethane	1.515	50	62501	5.181	ug/L	99
5) Vinyl chloride	1.602	62	67212	5.282	ug/L	97
6) Bromomethane	1.853	94	38735	5.047	ug/L	98
8) Chloroethane	1.930	64	41926	5.060	ug/L	100
9) Trichlorofluoromethane	2.136	101	96262	5.202	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	57949	5.382	ug/L	97
12) 1,1-Dichloroethene	2.576	96	48303	5.124	ug/L	93
13) Acetone	2.631	43	96421	51.876	ug/L	98
14) Carbon disulfide	2.788	76	119834	5.191	ug/L	100
15) Methyl Acetate	2.956	43	21097	5.545	ug/L	96
16) Methylene chloride	3.042	84	68759	4.774	ug/L	95
17) Methyl tert-butyl Ether	3.361	73	133840	5.414	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	49326	5.157	ug/L	98
19) 1,1-Dichloroethane	3.866	63	109861	5.315	ug/L	98
21) 2-Butanone	4.705	43	140713	51.526	ug/L	97
22) cis-1,2-Dichloroethene	4.663	96	60200	5.142	ug/L	94
23) Bromochloromethane	4.972	128	25370	5.269	ug/L	92
25) Chloroform	5.084	83	115821	5.380	ug/L	92

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 VSTD005104

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.792	62	72232	5.497	ug/L	99
29) 1,1,1-Trichloroethane	5.312	97	93689	5.239	ug/L	100
30) Cyclohexane	5.386	56	83377	5.243	ug/L	99
31) Carbon tetrachloride	5.521	117	79443	5.343	ug/L	99
33) Benzene	5.772	78	235807	5.359	ug/L	100
34) Trichloroethene	6.541	95	63943	5.229	ug/L	97
35) Methylcyclohexane	6.759	83	87224	5.084	ug/L	95
37) 1,2-Dichloropropane	6.788	63	66245	5.530	ug/L #	92
38) Bromodichloromethane	7.103	83	76059	5.318	ug/L	98
39) cis-1,3-Dichloropropene	7.605	75	85699	5.260	ug/L	97
40) 4-Methyl-2-pentanone	7.788	43	359204	52.570	ug/L	100
42) Toluene	7.968	91	249528	5.320	ug/L	97
44) trans-1,3-Dichloropropene	8.209	75	70714	5.530	ug/L	91
45) 1,1,2-Trichloroethane	8.396	97	45892	5.688	ug/L	93
47) Tetrachloroethene	8.550	164	45658	5.402	ug/L	98
48) 2-Hexanone	8.682	43	282532	52.789	ug/L	98
49) Dibromochloromethane	8.807	129	45599	5.177	ug/L	98
50) 1,2-Dibromoethane	8.920	107	39655	5.397	ug/L	94
51) Chlorobenzene	9.444	112	163759	5.271	ug/L	99
52) Ethylbenzene	9.566	91	282013	5.374	ug/L	99
53) m,p-Xylene	9.692	106	104164	5.364	ug/L	97
54) o-Xylene	10.097	106	101680	5.321	ug/L	96
55) Styrene	10.113	104	168906	5.353	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.778	83	54199	5.393	ug/L	99
59) Bromoform	10.290	173	23910	5.154	ug/L	98
60) Isopropylbenzene	10.483	105	281306	5.195	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	38638	5.014	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	236262	5.245	ug/L	98
63) 1,2,4-Trimethylbenzene	11.467	105	228385	5.145	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	132433	5.095	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	133295	5.145	ug/L	100
67) 1,2-Dichlorobenzene	12.209	146	122683	5.034	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.994	75	8042	5.417	ug/L #	88
69) 1,3,5-Trichlorobenzene	13.219	180	96671	4.921	ug/L	99
70) 1,2,4-trichlorobenzene	13.839	180	81876	4.445	ug/L	98
71) Naphthalene	14.087	128	146626	4.380	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	72805	4.554	ug/L	99

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

