

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100423\
 Data File : VU055662.D
 Acq On : 04 Oct 2023 16:46
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005158

Quant Time: Oct 04 23:02:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 04 23:00:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	157036	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	164434	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	101309	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	77548	4.886	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.800%
7) Chloroethane-d5	1.911	69	69028	4.935	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.800%
11) 1,1-Dichloroethene-d2	2.563	65	30818	4.717	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.400%
20) 2-Butanone-d5	4.624	46	121749	42.469	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.940%
24) Chloroform-d	5.062	84	134428	4.683	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.600%
26) 1,2-Dichloroethane-d4	5.701	65	60989	4.417	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.400%
32) Benzene-d6	5.724	84	257644	4.480	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.600%
36) 1,2-Dichloropropane-d6	6.689	67	78756	4.583	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.600%
41) Toluene-d8	7.894	98	239147	4.562	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.200%
43) trans-1,3-Dichloroprop...	8.177	79	29806	4.942	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.800%
46) 2-Hexanone-d5	8.631	63	78237	42.651	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.300%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	55408	4.302	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	80273	3.926	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	78.600%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	72007	4.710	ug/L	99
3) Chloromethane	1.518	50	80612	5.994	ug/L	99
5) Vinyl chloride	1.602	62	86578	5.967	ug/L	96
6) Bromomethane	1.856	94	54554	5.919	ug/L	100
8) Chloroethane	1.930	64	58914	6.222	ug/L	94
9) Trichlorofluoromethane	2.136	101	117127	5.821	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	63894	5.218	ug/L	98
12) 1,1-Dichloroethene	2.576	96	55260	5.033	ug/L	89
13) Acetone	2.631	43	90376	55.305	ug/L	100
14) Carbon disulfide	2.792	76	170566	5.168	ug/L	99
15) Methyl Acetate	2.952	43	20490	5.500	ug/L	98
16) Methylene chloride	3.042	84	72464	5.509	ug/L	94
17) Methyl tert-butyl Ether	3.361	73	129719	5.446	ug/L	98
18) trans-1,2-Dichloroethene	3.348	96	57680	5.212	ug/L	93
19) 1,1-Dichloroethane	3.866	63	119391	5.834	ug/L	98
21) 2-Butanone	4.705	43	143408	59.834	ug/L	96
22) cis-1,2-Dichloroethene	4.666	96	65813	5.129	ug/L	99
23) Bromochloromethane	4.972	128	28574	5.269	ug/L	91
25) Chloroform	5.084	83	127016	5.861	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	76021	5.720	ug/L	97
29) 1,1,1-Trichloroethane	5.312	97	106094	5.660	ug/L	97
30) Cyclohexane	5.386	56	89530	5.217	ug/L	95
31) Carbon tetrachloride	5.521	117	90624	5.640	ug/L	97
33) Benzene	5.772	78	267998	5.663	ug/L	100
34) Trichloroethene	6.541	95	69326	5.179	ug/L	96
35) Methylcyclohexane	6.759	83	91883	4.765	ug/L	96
37) 1,2-Dichloropropane	6.788	63	71497	5.776	ug/L	99
38) Bromodichloromethane	7.103	83	87588	6.039	ug/L	96
39) cis-1,3-Dichloropropene	7.605	75	99351	6.014	ug/L	98
40) 4-Methyl-2-pentanone	7.788	43	341117	60.755	ug/L	96
42) Toluene	7.968	91	277624	5.499	ug/L	100
44) trans-1,3-Dichloropropene	8.209	75	81428	6.161	ug/L	98
45) 1,1,2-Trichloroethane	8.399	97	50242	5.789	ug/L	98
47) Tetrachloroethene	8.550	164	50021	5.209	ug/L	98
48) 2-Hexanone	8.682	43	265298	60.968	ug/L	96
49) Dibromochloromethane	8.807	129	54920	6.037	ug/L	95
50) 1,2-Dibromoethane	8.923	107	45060	5.595	ug/L #	99
51) Chlorobenzene	9.444	112	174210	5.388	ug/L	100
52) Ethylbenzene	9.569	91	290105	5.361	ug/L	98
53) m,p-Xylene	9.692	106	109007	5.375	ug/L	97
54) o-Xylene	10.100	106	106017	5.377	ug/L	95
55) Styrene	10.113	104	182536	5.725	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.778	83	59530	6.076	ug/L	97
59) Bromoform	10.286	173	29713	5.472	ug/L	97
60) Isopropylbenzene	10.483	105	285118	4.883	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	40820	5.162	ug/L	99
62) 1,3,5-Trimethylbenzene	11.087	105	219768	4.707	ug/L	100
63) 1,2,4-Trimethylbenzene	11.466	105	214960	4.703	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	140150	5.014	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	137674	4.928	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	128535	5.015	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.997	75	7384	5.387	ug/L	92
69) 1,3,5-Trichlorobenzene	13.219	180	87731	4.557	ug/L	99
70) 1,2,4-trichlorobenzene	13.839	180	67080	4.571	ug/L	98
71) Naphthalene	14.087	128	93572	4.404	ug/L	99
72) 1,2,3-Trichlorobenzene	14.328	180	59666	4.672	ug/L	98

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

