

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092723\
 Data File : VU055569.D
 Acq On : 27 Sep 2023 22:27
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005148

Quant Time: Sep 27 23:40:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 27 23:33:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	215314	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	218157	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	131820	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	95010	4.366	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.400%
7) Chloroethane-d5	1.911	69	77403	4.036	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.800%
11) 1,1-Dichloroethene-d2	2.563	65	36653	4.092	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.800%
20) 2-Butanone-d5	4.624	46	169042	43.006	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.020%
24) Chloroform-d	5.058	84	172183	4.374	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.400%
26) 1,2-Dichloroethane-d4	5.698	65	79922	4.221	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.400%
32) Benzene-d6	5.724	84	332660	4.359	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.200%
36) 1,2-Dichloropropane-d6	6.685	67	100390	4.403	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.000%
41) Toluene-d8	7.894	98	310724	4.468	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.400%
43) trans-1,3-Dichloroprop...	8.177	79	36302	4.537	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.800%
46) 2-Hexanone-d5	8.631	63	100735	41.392	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.780%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	78880	4.616	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	109500	4.116	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	94238	4.496	ug/L	98
3) Chloromethane	1.518	50	92814	5.033	ug/L	99
5) Vinyl chloride	1.602	62	103378	5.196	ug/L	97
6) Bromomethane	1.856	94	61630	4.877	ug/L	99
8) Chloroethane	1.933	64	66570	5.128	ug/L	97
9) Trichlorofluoromethane	2.136	101	140514	5.093	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	81296	4.843	ug/L	99
12) 1,1-Dichloroethene	2.576	96	75194	4.995	ug/L	98
13) Acetone	2.637	43	100139	44.693	ug/L	100
14) Carbon disulfide	2.792	76	229888	5.080	ug/L	98
15) Methyl Acetate	2.952	43	24756	4.846	ug/L	100
16) Methylene chloride	3.042	84	95927	5.319	ug/L	98
17) Methyl tert-butyl Ether	3.358	73	163197	4.997	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	77288	5.094	ug/L	99
19) 1,1-Dichloroethane	3.866	63	145596	5.189	ug/L	97
21) 2-Butanone	4.708	43	162530	49.458	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	86749	4.931	ug/L	97
23) Bromochloromethane	4.968	128	38854	5.225	ug/L	98
25) Chloroform	5.084	83	155256	5.225	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.792	62	90961	4.992	ug/L	98
29) 1,1,1-Trichloroethane	5.312	97	133797	5.380	ug/L	100
30) Cyclohexane	5.386	56	112588	4.945	ug/L	97
31) Carbon tetrachloride	5.521	117	115919	5.438	ug/L	98
33) Benzene	5.772	78	332920	5.302	ug/L	100
34) Trichloroethene	6.541	95	91155	5.132	ug/L	97
35) Methylcyclohexane	6.759	83	125700	4.913	ug/L	99
37) 1,2-Dichloropropane	6.788	63	86465	5.265	ug/L	100
38) Bromodichloromethane	7.103	83	103845	5.396	ug/L	96
39) cis-1,3-Dichloropropene	7.605	75	117323	5.353	ug/L	98
40) 4-Methyl-2-pentanone	7.788	43	405359	54.418	ug/L	99
42) Toluene	7.965	91	358384	5.351	ug/L	99
44) trans-1,3-Dichloropropene	8.209	75	92645	5.283	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	62180	5.401	ug/L	98
47) Tetrachloroethene	8.550	164	68173	5.351	ug/L	98
48) 2-Hexanone	8.682	43	303485	52.569	ug/L	97
49) Dibromochloromethane	8.808	129	67084	5.558	ug/L	99
50) 1,2-Dibromoethane	8.920	107	56171	5.257	ug/L #	99
51) Chlorobenzene	9.444	112	224171	5.226	ug/L	98
52) Ethylbenzene	9.566	91	377895	5.263	ug/L	98
53) m,p-Xylene	9.692	106	146589	5.448	ug/L	97
54) o-Xylene	10.097	106	138274	5.286	ug/L	95
55) Styrene	10.113	104	236508	5.591	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	71384	5.492	ug/L	97
59) Bromoform	10.287	173	38785	5.489	ug/L	97
60) Isopropylbenzene	10.483	105	375875	4.948	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	49527	4.813	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	292462	4.814	ug/L	100
63) 1,2,4-Trimethylbenzene	11.467	105	289573	4.869	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	188829	5.191	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	188009	5.172	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	172184	5.163	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	9312	5.221	ug/L	95
69) 1,3,5-Trichlorobenzene	13.216	180	125676	5.017	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	100470	5.261	ug/L	99
71) Naphthalene	14.084	128	147306	5.328	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	88416	5.321	ug/L	99

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

