

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011723\
 Data File : VU052732.D
 Acq On : 17 Jan 2023 20:00
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005129

Quant Time: Jan 18 01:20:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011023WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jan 18 01:16:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	135721	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	127222	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	69503	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	46869	3.931	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.600%
7) Chloroethane-d5	1.912	69	41720	4.295	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.800%
11) 1,1-Dichloroethene-d2	2.565	65	23822	4.537	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.800%
20) 2-Butanone-d5	4.642	46	138011	43.289	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.580%
24) Chloroform-d	5.060	84	109490	4.923	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.400%
26) 1,2-Dichloroethane-d4	5.697	65	55260	4.838	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.800%
32) Benzene-d6	5.723	84	209061	5.070	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.400%
36) 1,2-Dichloropropane-d6	6.684	67	64927	4.725	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.600%
41) Toluene-d8	7.893	98	192187	5.286	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.800%
43) trans-1,3-Dichloroprop...	8.176	79	23963	4.689	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.800%
46) 2-Hexanone-d5	8.632	63	105440	49.672	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.340%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	52150	4.957	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.200%
66) 1,2-Dichlorobenzene-d4	12.189	152	64794	5.121	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	62932	4.316	ug/L	99
3) Chloromethane	1.520	50	58793	3.320	ug/L	98
5) Vinyl chloride	1.604	62	63112	3.725	ug/L	96
6) Bromomethane	1.858	94	23505	2.673	ug/L	95
8) Chloroethane	1.935	64	41928	4.071	ug/L	98
9) Trichlorofluoromethane	2.138	101	97499	4.882	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	53700	4.570	ug/L	96
12) 1,1-Dichloroethene	2.578	96	55304	4.700	ug/L	93
13) Acetone	2.658	43	102679	44.907	ug/L	63
14) Carbon disulfide	2.790	76	178910	4.400	ug/L	97
15) Methyl Acetate	2.957	43	22959	4.188	ug/L #	90
16) Methylene chloride	3.041	84	67117	4.286	ug/L	88
17) Methyl tert-butyl Ether	3.359	73	133721	5.135	ug/L	98
18) trans-1,2-Dichloroethene	3.350	96	58536	4.878	ug/L	95
19) 1,1-Dichloroethane	3.864	63	113044	4.536	ug/L	97
21) 2-Butanone	4.723	43	167139	45.409	ug/L	96
22) cis-1,2-Dichloroethene	4.662	96	64055	4.970	ug/L	96
23) Bromochloromethane	4.970	128	28906	5.298	ug/L #	85
25) Chloroform	5.083	83	115714	4.723	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	75177	5.064	ug/L	99
29) 1,1,1-Trichloroethane	5.311	97	100437	5.032	ug/L	96
30) Cyclohexane	5.385	56	85915	4.278	ug/L	94
31) Carbon tetrachloride	5.520	117	86548	5.534	ug/L	100
33) Benzene	5.771	78	256509	5.094	ug/L	100
34) Trichloroethene	6.536	95	62007	5.206	ug/L	97
35) Methylcyclohexane	6.758	83	87670	4.457	ug/L	95
37) 1,2-Dichloropropane	6.787	63	66083	4.890	ug/L #	96
38) Bromodichloromethane	7.102	83	82580	5.190	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	84597	4.932	ug/L	98
40) 4-Methyl-2-pentanone	7.790	43	373393	48.312	ug/L	95
42) Toluene	7.964	91	264940	5.282	ug/L	99
44) trans-1,3-Dichloropropene	8.205	75	75386	5.091	ug/L	100
45) 1,1,2-Trichloroethane	8.395	97	44886	5.281	ug/L	97
47) Tetrachloroethene	8.549	164	47928	5.461	ug/L	95
48) 2-Hexanone	8.684	43	285536	50.458	ug/L	97
49) Dibromochloromethane	8.806	129	54881	5.585	ug/L	98
50) 1,2-Dibromoethane	8.919	107	42319	5.416	ug/L #	98
51) Chlorobenzene	9.443	112	163001	5.217	ug/L	97
52) Ethylbenzene	9.565	91	264937	5.185	ug/L	97
53) m,p-Xylene	9.690	106	105953	5.474	ug/L	95
54) o-Xylene	10.095	106	99553	5.379	ug/L	98
55) Styrene	10.108	104	174174	5.518	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	57280	5.159	ug/L	98
59) Bromoform	10.288	173	30294	5.605	ug/L	99
60) Isopropylbenzene	10.481	105	258595	5.249	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	40191	4.976	ug/L	94
62) 1,3,5-Trimethylbenzene	11.083	105	209407	5.329	ug/L	100
63) 1,2,4-Trimethylbenzene	11.462	105	207767	5.249	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	123674	5.277	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	123399	5.162	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	116158	5.268	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.989	75	8337	4.475	ug/L #	75
69) 1,3,5-Trichlorobenzene	13.214	180	85720	4.924	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	64125	4.593	ug/L	99
71) Naphthalene	14.082	128	105985	4.373	ug/L	98
72) 1,2,3-Trichlorobenzene	14.324	180	61418	4.802	ug/L	99

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

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