

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122023\
 Data File : VU057104.D
 Acq On : 20 Dec 2023 20:05
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005099

Quant Time: Dec 20 23:48:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 20 23:41:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	191853	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	194003	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	101001	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	63137	3.839	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.800%
7) Chloroethane-d5	1.911	69	50622	4.114	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.200%
11) 1,1-Dichloroethene-d2	2.563	65	28316	4.024	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.400%
20) 2-Butanone-d5	4.624	46	139486	42.950	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.900%
24) Chloroform-d	5.055	84	147892	4.749	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.000%
26) 1,2-Dichloroethane-d4	5.695	65	70663	4.795	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.000%
32) Benzene-d6	5.721	84	259305	4.309	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.200%
36) 1,2-Dichloropropane-d6	6.685	67	78077	4.145	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.000%
41) Toluene-d8	7.891	98	241936	4.498	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.000%
43) trans-1,3-Dichloroprop...	8.174	79	32323	4.425	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.600%
46) 2-Hexanone-d5	8.627	63	119886	43.519	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.040%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	62470	4.584	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	86185	4.341	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	93242	4.638	ug/L	98
3) Chloromethane	1.515	50	95744	4.844	ug/L	98
5) Vinyl chloride	1.602	62	95874	4.884	ug/L	98
6) Bromomethane	1.853	94	51438	4.444	ug/L	96
8) Chloroethane	1.930	64	54919	4.776	ug/L	95
9) Trichlorofluoromethane	2.133	101	156236	5.647	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	82449	4.859	ug/L	98
12) 1,1-Dichloroethene	2.576	96	70628	4.534	ug/L	90
13) Acetone	2.631	43	98959	50.000	ug/L	95
14) Carbon disulfide	2.789	76	216222	4.001	ug/L	99
15) Methyl Acetate	2.952	43	25015	4.643	ug/L	100
16) Methylene chloride	3.039	84	82099	4.838	ug/L	98
17) Methyl tert-butyl Ether	3.354	73	170922	4.949	ug/L	96
18) trans-1,2-Dichloroethene	3.348	96	73444	4.651	ug/L	99
19) 1,1-Dichloroethane	3.859	63	146989	4.839	ug/L	98
21) 2-Butanone	4.702	43	152415	45.665	ug/L	97
22) cis-1,2-Dichloroethene	4.657	96	80044	4.659	ug/L	97
23) Bromochloromethane	4.965	128	35638	4.955	ug/L	87
25) Chloroform	5.078	83	162959	5.121	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	97805	5.197	ug/L	96
29) 1,1,1-Trichloroethane	5.309	97	148195	5.284	ug/L	99
30) Cyclohexane	5.380	56	103661	3.939	ug/L	94
31) Carbon tetrachloride	5.518	117	128023	5.252	ug/L	98
33) Benzene	5.769	78	319505	4.686	ug/L	100
34) Trichloroethene	6.538	95	89445	4.782	ug/L	99
35) Methylcyclohexane	6.756	83	115240	4.175	ug/L	100
37) 1,2-Dichloropropane	6.785	63	82493	4.730	ug/L	99
38) Bromodichloromethane	7.100	83	115838	5.208	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	119029	4.683	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	382287	46.160	ug/L	97
42) Toluene	7.962	91	348051	4.934	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	102005	4.896	ug/L	96
45) 1,1,2-Trichloroethane	8.393	97	57058	4.839	ug/L	94
47) Tetrachloroethene	8.547	164	68684	5.247	ug/L	95
48) 2-Hexanone	8.679	43	280277	47.517	ug/L	98
49) Dibromochloromethane	8.804	129	70113	5.173	ug/L	96
50) 1,2-Dibromoethane	8.917	107	55144	5.039	ug/L	97
51) Chlorobenzene	9.441	112	216147	4.807	ug/L	99
52) Ethylbenzene	9.563	91	378861	4.868	ug/L	99
53) m,p-Xylene	9.689	106	143819	4.960	ug/L	98
54) o-Xylene	10.094	106	134694	4.876	ug/L	100
55) Styrene	10.110	104	233824	5.155	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	71951	5.051	ug/L #	99
59) Bromoform	10.283	173	40457	4.906	ug/L	98
60) Isopropylbenzene	10.480	105	373674	4.683	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	49853	4.597	ug/L	96
62) 1,3,5-Trimethylbenzene	11.081	105	296994	4.554	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	300506	4.639	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	174649	4.627	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	171482	4.614	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	158747	4.616	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	11092	5.123	ug/L	94
69) 1,3,5-Trichlorobenzene	13.213	180	121515	4.260	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	89359	3.956	ug/L	97
71) Naphthalene	14.081	128	113612	3.437	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	73724	3.845	ug/L	99

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

