

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121823\
 Data File : VU056985.D
 Acq On : 18 Dec 2023 11:10
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005092

Quant Time: Dec 18 14:30:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Dec 18 01:16:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	260217	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	261021	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	129226	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	98036	4.395	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.000%
7) Chloroethane-d5	1.901	69	57004	3.415	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	68.400%
11) 1,1-Dichloroethene-d2	2.554	65	40837	4.279	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.600%
20) 2-Butanone-d5	4.621	46	178064	40.424	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.840%
24) Chloroform-d	5.055	84	180040	4.263	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.200%
26) 1,2-Dichloroethane-d4	5.695	65	83889	4.197	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.000%
32) Benzene-d6	5.721	84	342893	4.235	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.800%
36) 1,2-Dichloropropane-d6	6.685	67	102237	4.035	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.600%
41) Toluene-d8	7.891	98	315620	4.362	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.200%
43) trans-1,3-Dichloroprop...	8.177	79	41605	4.234	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.600%
46) 2-Hexanone-d5	8.637	63	164287	44.325	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.660%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	79317	4.326	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	104509	4.114	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	116638	4.278	ug/L	97
3) Chloromethane	1.515	50	129940	4.847	ug/L	98
5) Vinyl chloride	1.599	62	123646	4.644	ug/L	100
6) Bromomethane	1.849	94	49011	3.122	ug/L	92
8) Chloroethane	1.920	64	53866	3.454	ug/L	97
9) Trichlorofluoromethane	2.123	101	177552	4.732	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	104112	4.524	ug/L	98
12) 1,1-Dichloroethene	2.570	96	93104	4.407	ug/L	89
13) Acetone	2.631	43	125737	46.840	ug/L	100
14) Carbon disulfide	2.782	76	281398	3.839	ug/L	100
15) Methyl Acetate	2.946	43	32715	4.477	ug/L	99
16) Methylene chloride	3.036	84	105654	4.590	ug/L	97
17) Methyl tert-butyl Ether	3.354	73	212224	4.530	ug/L	99
18) trans-1,2-Dichloroethene	3.341	96	93120	4.347	ug/L	99
19) 1,1-Dichloroethane	3.856	63	180158	4.372	ug/L	98
21) 2-Butanone	4.701	43	201240	44.454	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	101514	4.356	ug/L	100
23) Bromochloromethane	4.968	128	44157	4.526	ug/L	94
25) Chloroform	5.078	83	192265	4.454	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	113768	4.457	ug/L	95
29) 1,1,1-Trichloroethane	5.306	97	170988	4.532	ug/L	98
30) Cyclohexane	5.377	56	143012	4.039	ug/L	97
31) Carbon tetrachloride	5.518	117	144567	4.408	ug/L	98
33) Benzene	5.766	78	402017	4.382	ug/L	100
34) Trichloroethene	6.534	95	106701	4.240	ug/L	97
35) Methylcyclohexane	6.756	83	153378	4.130	ug/L	99
37) 1,2-Dichloropropane	6.785	63	106642	4.545	ug/L	99
38) Bromodichloromethane	7.100	83	134888	4.508	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	148522	4.343	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	524950	47.112	ug/L	98
42) Toluene	7.965	91	423255	4.459	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	126114	4.499	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	72046	4.541	ug/L	96
47) Tetrachloroethene	8.547	164	78064	4.433	ug/L	95
48) 2-Hexanone	8.688	43	388691	48.978	ug/L	99
49) Dibromochloromethane	8.804	129	83516	4.580	ug/L	100
50) 1,2-Dibromoethane	8.920	107	67362	4.575	ug/L	99
51) Chlorobenzene	9.444	112	265888	4.395	ug/L	99
52) Ethylbenzene	9.566	91	462320	4.416	ug/L	99
53) m,p-Xylene	9.692	106	177408	4.548	ug/L	97
54) o-Xylene	10.097	106	167758	4.514	ug/L	98
55) Styrene	10.113	104	295945	4.849	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.782	83	93372	4.872	ug/L	96
59) Bromoform	10.290	173	49119	4.655	ug/L	98
60) Isopropylbenzene	10.479	105	455239	4.459	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	63846	4.601	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	374823	4.492	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	375654	4.533	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	210917	4.367	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	203137	4.271	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	192211	4.369	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.994	75	13610	4.913	ug/L	89
69) 1,3,5-Trichlorobenzene	13.216	180	149109	4.086	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	113136	3.915	ug/L	98
71) Naphthalene	14.084	128	171440	4.054	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	102853	4.192	ug/L	99

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

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