

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112423\
 Data File : VU056601.D
 Acq On : 24 Nov 2023 09:22
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005175

Quant Time: Nov 25 01:35:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 22 00:29:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	293569	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	287433	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	134458	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	98025	4.464	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.200%
7) Chloroethane-d5	1.907	69	64718	3.844	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.800%
11) 1,1-Dichloroethene-d2	2.563	65	44362	4.578	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.600%
20) 2-Butanone-d5	4.618	46	206920	47.259	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.520%
24) Chloroform-d	5.058	84	195872	4.612	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.200%
26) 1,2-Dichloroethane-d4	5.695	65	98384	5.013	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.200%
32) Benzene-d6	5.721	84	380676	4.445	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.000%
36) 1,2-Dichloropropane-d6	6.685	67	115728	4.484	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.600%
41) Toluene-d8	7.894	98	337734	4.466	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.400%
43) trans-1,3-Dichloroprop...	8.177	79	45064	4.552	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.000%
46) 2-Hexanone-d5	8.631	63	188641	48.493	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.980%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	86850	4.709	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	108517	4.369	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	100527	4.322	ug/L	98
3) Chloromethane	1.518	50	95688	4.026	ug/L	95
5) Vinyl chloride	1.602	62	98609	4.306	ug/L	93
6) Bromomethane	1.853	94	41990	3.622	ug/L	95
8) Chloroethane	1.927	64	57793	4.131	ug/L	96
9) Trichlorofluoromethane	2.133	101	161140	4.883	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	96817	4.941	ug/L	99
12) 1,1-Dichloroethene	2.576	96	84706	4.714	ug/L	93
13) Acetone	2.628	43	158014	42.373	ug/L	98
14) Carbon disulfide	2.788	76	220753	3.775	ug/L	100
15) Methyl Acetate	2.946	43	31345	4.723	ug/L	98
16) Methylene chloride	3.039	84	102473	4.309	ug/L	97
17) Methyl tert-butyl Ether	3.358	73	206075	4.720	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	85072	4.601	ug/L	98
19) 1,1-Dichloroethane	3.862	63	181329	4.951	ug/L	99
21) 2-Butanone	4.698	43	212029	43.817	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	100071	4.772	ug/L	99
23) Bromochloromethane	4.968	128	43384	5.027	ug/L	94
25) Chloroform	5.081	83	191170	4.818	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	117151	5.200	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	166238	5.038	ug/L	100
30) Cyclohexane	5.383	56	128519	4.104	ug/L	100
31) Carbon tetrachloride	5.521	117	142060	5.013	ug/L	98
33) Benzene	5.769	78	409192	4.989	ug/L	100
34) Trichloroethene	6.538	95	106777	4.778	ug/L	97
35) Methylcyclohexane	6.759	83	140570	4.357	ug/L	98
37) 1,2-Dichloropropane	6.785	63	108822	5.088	ug/L	100
38) Bromodichloromethane	7.100	83	142005	5.143	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	148763	4.734	ug/L	98
40) 4-Methyl-2-pentanone	7.788	43	516231	48.691	ug/L	99
42) Toluene	7.965	91	419016	4.935	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	125658	5.016	ug/L	100
45) 1,1,2-Trichloroethane	8.396	97	73009	5.126	ug/L	97
47) Tetrachloroethene	8.550	164	77618	5.151	ug/L	99
48) 2-Hexanone	8.682	43	398638	48.264	ug/L	99
49) Dibromochloromethane	8.804	129	85215	5.261	ug/L	96
50) 1,2-Dibromoethane	8.920	107	66378	4.936	ug/L	92
51) Chlorobenzene	9.444	112	277799	5.092	ug/L	99
52) Ethylbenzene	9.566	91	471636	5.002	ug/L	100
53) m,p-Xylene	9.692	106	174283	5.028	ug/L	98
54) o-Xylene	10.097	106	171573	5.096	ug/L	99
55) Styrene	10.113	104	296741	5.298	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	90618	5.210	ug/L	99
59) Bromoform	10.290	173	48808	5.828	ug/L	100
60) Isopropylbenzene	10.479	105	477423	5.506	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	63266	5.484	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	367898	5.167	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	367700	5.232	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	208916	5.296	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	201906	5.103	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	185646	5.130	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	11303	4.587	ug/L	99
69) 1,3,5-Trichlorobenzene	13.216	180	153656	5.174	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	113508	4.693	ug/L	99
71) Naphthalene	14.084	128	149974	4.104	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	94396	4.737	ug/L	97

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

