

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122023\
 Data File : VU057079.D
 Acq On : 20 Dec 2023 09:12
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005098

Quant Time: Dec 20 23:37:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 20 06:35:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	210348	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	200187	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	100504	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	68892	3.821	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.400%
7) Chloroethane-d5	1.907	69	59813	4.433	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.600%
11) 1,1-Dichloroethene-d2	2.563	65	29936	3.881	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.600%
20) 2-Butanone-d5	4.615	46	115222	32.359	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	64.720%
24) Chloroform-d	5.055	84	145404	4.259	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.200%
26) 1,2-Dichloroethane-d4	5.695	65	65955	4.082	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.600%
32) Benzene-d6	5.721	84	260101	4.189	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.800%
36) 1,2-Dichloropropane-d6	6.685	67	74428	3.830	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	76.600%
41) Toluene-d8	7.891	98	238110	4.291	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.800%
43) trans-1,3-Dichloroprop...	8.174	79	30813	4.088	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.800%
46) 2-Hexanone-d5	8.627	63	103148	36.287	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	72.580%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	54506	3.876	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	77.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	79156	4.007	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	80.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	97716	4.433	ug/L	100
3) Chloromethane	1.515	50	97503	4.499	ug/L	97
5) Vinyl chloride	1.602	62	101183	4.701	ug/L	100
6) Bromomethane	1.849	94	60078	4.734	ug/L	95
8) Chloroethane	1.930	64	63010	4.998	ug/L	96
9) Trichlorofluoromethane	2.136	101	165769	5.465	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	90140	4.845	ug/L	99
12) 1,1-Dichloroethene	2.576	96	76190	4.461	ug/L	93
13) Acetone	2.618	43	87529	40.337	ug/L	96
14) Carbon disulfide	2.788	76	228643	3.859	ug/L	100
15) Methyl Acetate	2.946	43	22127	3.746	ug/L	93
16) Methylene chloride	3.042	84	86087	4.627	ug/L	95
17) Methyl tert-butyl Ether	3.351	73	169557	4.478	ug/L	98
18) trans-1,2-Dichloroethene	3.348	96	78129	4.512	ug/L	99
19) 1,1-Dichloroethane	3.862	63	154316	4.633	ug/L	98
21) 2-Butanone	4.692	43	134197	36.672	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	86006	4.566	ug/L	98
23) Bromochloromethane	4.968	128	35584	4.512	ug/L	92
25) Chloroform	5.081	83	168571	4.831	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	98490	4.773	ug/L	96
29) 1,1,1-Trichloroethane	5.309	97	154343	5.334	ug/L	99
30) Cyclohexane	5.383	56	116706	4.297	ug/L	97
31) Carbon tetrachloride	5.518	117	135732	5.397	ug/L	100
33) Benzene	5.769	78	333356	4.738	ug/L	100
34) Trichloroethene	6.537	95	93139	4.826	ug/L	99
35) Methylcyclohexane	6.756	83	125988	4.424	ug/L	98
37) 1,2-Dichloropropane	6.785	63	84175	4.677	ug/L	100
38) Bromodichloromethane	7.100	83	115870	5.049	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	122383	4.666	ug/L	97
40) 4-Methyl-2-pentanone	7.782	43	349013	40.841	ug/L	98
42) Toluene	7.965	91	355678	4.886	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	101736	4.732	ug/L	100
45) 1,1,2-Trichloroethane	8.393	97	57797	4.750	ug/L	97
47) Tetrachloroethene	8.547	164	68128	5.044	ug/L	95
48) 2-Hexanone	8.679	43	251961	41.397	ug/L	98
49) Dibromochloromethane	8.804	129	69740	4.987	ug/L	97
50) 1,2-Dibromoethane	8.917	107	51209	4.535	ug/L	98
51) Chlorobenzene	9.441	112	218053	4.700	ug/L	98
52) Ethylbenzene	9.566	91	393294	4.898	ug/L	99
53) m,p-Xylene	9.688	106	147567	4.932	ug/L	98
54) o-Xylene	10.097	106	141499	4.964	ug/L	100
55) Styrene	10.110	104	241750	5.165	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	67666	4.603	ug/L #	96
59) Bromoform	10.283	173	39390	4.800	ug/L	99
60) Isopropylbenzene	10.479	105	390304	4.915	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	47034	4.358	ug/L	96
62) 1,3,5-Trimethylbenzene	11.084	105	312658	4.818	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	320259	4.969	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	178923	4.763	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	174722	4.724	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	158626	4.636	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	9959	4.622	ug/L	92
69) 1,3,5-Trichlorobenzene	13.212	180	131414	4.630	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	98096	4.365	ug/L	99
71) Naphthalene	14.084	128	115843	3.522	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	77159	4.044	ug/L	99

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

