

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121823\
 Data File : VU057030.D
 Acq On : 19 Dec 2023 06:57
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005094

Quant Time: Dec 19 07:12:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 19 02:36:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	278470	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	280892	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	139846	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	97708	4.093	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.800%
7) Chloroethane-d5	1.907	69	70054	3.922	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.400%
11) 1,1-Dichloroethene-d2	2.560	65	42443	4.156	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.200%
20) 2-Butanone-d5	4.621	46	177357	37.624	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	75.240%
24) Chloroform-d	5.055	84	189699	4.197	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.000%
26) 1,2-Dichloroethane-d4	5.695	65	85392	3.992	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.800%
32) Benzene-d6	5.721	84	361829	4.153	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.000%
36) 1,2-Dichloropropane-d6	6.682	67	108139	3.966	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.400%
41) Toluene-d8	7.891	98	328980	4.225	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.400%
43) trans-1,3-Dichloroprop...	8.174	79	38205	3.613	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.200%
46) 2-Hexanone-d5	8.627	63	152332	38.192	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	76.380%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	79288	4.019	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	107553	3.912	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	78.200%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	107225	3.675	ug/L	98
3) Chloromethane	1.515	50	118012	4.113	ug/L	98
5) Vinyl chloride	1.599	62	116206	4.078	ug/L	99
6) Bromomethane	1.853	94	57524	3.424	ug/L	96
8) Chloroethane	1.927	64	65095	3.900	ug/L	99
9) Trichlorofluoromethane	2.132	101	164332	4.092	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	99478	4.039	ug/L	99
12) 1,1-Dichloroethene	2.573	96	91950	4.067	ug/L	98
13) Acetone	2.628	43	115096	40.065	ug/L	99
14) Carbon disulfide	2.788	76	282941	3.607	ug/L	100
15) Methyl Acetate	2.946	43	33293	4.257	ug/L	94
16) Methylene chloride	3.039	84	101490	4.120	ug/L	96
17) Methyl tert-butyl Ether	3.351	73	198235	3.954	ug/L	99
18) trans-1,2-Dichloroethene	3.345	96	94024	4.102	ug/L	93
19) 1,1-Dichloroethane	3.859	63	186088	4.220	ug/L	96
21) 2-Butanone	4.701	43	190511	39.325	ug/L	99
22) cis-1,2-Dichloroethene	4.656	96	100582	4.033	ug/L	95
23) Bromochloromethane	4.965	128	43918	4.207	ug/L	98
25) Chloroform	5.078	83	193532	4.190	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	110855	4.058	ug/L	96
29) 1,1,1-Trichloroethane	5.309	97	165311	4.071	ug/L	100
30) Cyclohexane	5.380	56	135878	3.566	ug/L	98
31) Carbon tetrachloride	5.518	117	140142	3.971	ug/L	98
33) Benzene	5.766	78	405261	4.105	ug/L	100
34) Trichloroethene	6.534	95	108303	3.999	ug/L	96
35) Methylcyclohexane	6.756	83	140209	3.509	ug/L	99
37) 1,2-Dichloropropane	6.782	63	106549	4.219	ug/L	100
38) Bromodichloromethane	7.097	83	133902	4.158	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	134429	3.653	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	494807	41.265	ug/L	100
42) Toluene	7.962	91	425869	4.169	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	113888	3.776	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	73224	4.289	ug/L	93
47) Tetrachloroethene	8.547	164	77911	4.111	ug/L	97
48) 2-Hexanone	8.679	43	357081	41.812	ug/L	99
49) Dibromochloromethane	8.804	129	82453	4.202	ug/L	97
50) 1,2-Dibromoethane	8.917	107	65879	4.158	ug/L	96
51) Chlorobenzene	9.441	112	261611	4.019	ug/L	99
52) Ethylbenzene	9.566	91	447468	3.971	ug/L	98
53) m,p-Xylene	9.688	106	168531	4.015	ug/L	91
54) o-Xylene	10.097	106	160600	4.016	ug/L	99
55) Styrene	10.110	104	278102	4.235	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.775	83	88242	4.278	ug/L	98
59) Bromoform	10.286	173	47923	4.197	ug/L	99
60) Isopropylbenzene	10.479	105	430742	3.899	ug/L	99
61) 1,2,3-Trichloropropane	10.814	75	59655	3.973	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	335120	3.711	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	342332	3.817	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	202681	3.878	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	198603	3.859	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	187791	3.944	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.990	75	12305	4.105	ug/L	95
69) 1,3,5-Trichlorobenzene	13.212	180	137046	3.470	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	98833	3.160	ug/L	97
71) Naphthalene	14.084	128	126365	2.761	ug/L	98
72) 1,2,3-Trichlorobenzene	14.325	180	85417	3.217	ug/L	98

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

