

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121623\
 Data File : VU056917.D
 Acq On : 16 Dec 2023 10:19
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005087

Quant Time: Dec 16 23:45:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Dec 15 01:53:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	227315	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	224844	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	111374	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	93368	4.792	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.800%
7) Chloroethane-d5	1.908	69	73091	5.013	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.200%
11) 1,1-Dichloroethene-d2	2.563	65	39677	4.759	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.200%
20) 2-Butanone-d5	4.621	46	201740	52.428	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.860%
24) Chloroform-d	5.055	84	195047	5.286	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.800%
26) 1,2-Dichloroethane-d4	5.695	65	91117	5.219	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.400%
32) Benzene-d6	5.721	84	362522	5.198	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.000%
36) 1,2-Dichloropropane-d6	6.685	67	112956	5.175	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.400%
41) Toluene-d8	7.894	98	316547	5.078	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.600%
43) trans-1,3-Dichloroprop...	8.177	79	42233	4.989	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.800%
46) 2-Hexanone-d5	8.628	63	170439	53.384	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.760%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	82113	5.199	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	106672	4.872	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	136124	5.715	ug/L	98
3) Chloromethane	1.515	50	137314	5.863	ug/L	100
5) Vinyl chloride	1.602	62	136314	5.861	ug/L	98
6) Bromomethane	1.853	94	74540	5.436	ug/L	98
8) Chloroethane	1.930	64	78353	5.751	ug/L	100
9) Trichlorofluoromethane	2.136	101	191323	5.837	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	123560	6.146	ug/L	98
12) 1,1-Dichloroethene	2.576	96	108281	5.867	ug/L	87
13) Acetone	2.631	43	137191	58.504	ug/L	98
14) Carbon disulfide	2.789	76	342536	5.350	ug/L	100
15) Methyl Acetate	2.949	43	35733	5.598	ug/L	98
16) Methylene chloride	3.043	84	118816	5.909	ug/L	97
17) Methyl tert-butyl Ether	3.354	73	227978	5.571	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	107913	5.767	ug/L	99
19) 1,1-Dichloroethane	3.862	63	213123	5.921	ug/L	98
21) 2-Butanone	4.702	43	217320	54.954	ug/L	99
22) cis-1,2-Dichloroethene	4.657	96	116296	5.713	ug/L	99
23) Bromochloromethane	4.968	128	49727	5.835	ug/L	97
25) Chloroform	5.081	83	222277	5.895	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	124946	5.603	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	194215	5.976	ug/L	98
30) Cyclohexane	5.383	56	168545	5.525	ug/L	99
31) Carbon tetrachloride	5.518	117	167326	5.923	ug/L	99
33) Benzene	5.769	78	470531	5.955	ug/L	100
34) Trichloroethene	6.538	95	123771	5.710	ug/L	99
35) Methylcyclohexane	6.759	83	175708	5.493	ug/L	100
37) 1,2-Dichloropropane	6.785	63	123256	6.098	ug/L	99
38) Bromodichloromethane	7.100	83	153088	5.939	ug/L	97
39) cis-1,3-Dichloropropene	7.602	75	165400	5.614	ug/L	97
40) 4-Methyl-2-pentanone	7.785	43	540764	56.340	ug/L	100
42) Toluene	7.965	91	491093	6.006	ug/L	97
44) trans-1,3-Dichloropropene	8.206	75	137345	5.688	ug/L	100
45) 1,1,2-Trichloroethane	8.396	97	79305	5.803	ug/L	97
47) Tetrachloroethene	8.550	164	89904	5.927	ug/L	97
48) 2-Hexanone	8.679	43	391803	57.313	ug/L	100
49) Dibromochloromethane	8.804	129	88315	5.622	ug/L	100
50) 1,2-Dibromoethane	8.920	107	72743	5.736	ug/L	100
51) Chlorobenzene	9.444	112	298843	5.735	ug/L	98
52) Ethylbenzene	9.566	91	514498	5.704	ug/L	100
53) m,p-Xylene	9.692	106	198058	5.894	ug/L	97
54) o-Xylene	10.097	106	187665	5.862	ug/L	99
55) Styrene	10.110	104	319414	6.076	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	95413	5.779	ug/L #	98
59) Bromoform	10.287	173	51991	5.717	ug/L	99
60) Isopropylbenzene	10.480	105	509465	5.790	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	67248	5.623	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	399045	5.549	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	410630	5.749	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	235005	5.646	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	229619	5.602	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	211043	5.566	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.991	75	12966	5.431	ug/L	95
69) 1,3,5-Trichlorobenzene	13.216	180	169224	5.380	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	115899	4.653	ug/L	95
71) Naphthalene	14.084	128	146978	4.032	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	95178	4.501	ug/L	97

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

