

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110623\
 Data File : VU056086.D
 Acq On : 06 Nov 2023 16:19
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005136

Quant Time: Nov 07 04:10:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 07 04:07:55 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	325828	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	315601	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	157780	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	93101	3.612	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.200%
7) Chloroethane-d5	1.914	69	80729	4.018	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.400%
11) 1,1-Dichloroethene-d2	2.564	65	43283	3.956	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.200%
20) 2-Butanone-d5	4.634	46	250948	54.576	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.160%
24) Chloroform-d	5.059	84	223267	4.675	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.400%
26) 1,2-Dichloroethane-d4	5.698	65	104198	4.478	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.600%
32) Benzene-d6	5.724	84	430271	4.577	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.600%
36) 1,2-Dichloropropane-d6	6.689	67	134269	4.818	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.400%
41) Toluene-d8	7.895	98	380646	4.463	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.200%
43) trans-1,3-Dichloroprop...	8.177	79	50613	4.643	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.800%
46) 2-Hexanone-d5	8.631	63	210149	75.951	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	151.900%#
56) 1,1,2,2-Tetrachloroeth...	10.753	84	104617	5.155	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	138789	4.715	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.387	85	70576	3.801	ug/L	99
3) Chloromethane	1.519	50	62830	3.544	ug/L	98
5) Vinyl chloride	1.605	62	70887	3.630	ug/L	99
6) Bromomethane	1.859	94	45573	3.767	ug/L	100
8) Chloroethane	1.933	64	45247	3.954	ug/L	99
9) Trichlorofluoromethane	2.136	101	115692	4.295	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.580	101	81773	4.621	ug/L	100
12) 1,1-Dichloroethene	2.580	96	68516	4.339	ug/L	83
13) Acetone	2.644	43	106836	40.773	ug/L	96
14) Carbon disulfide	2.792	76	146340	3.619	ug/L	100
15) Methyl Acetate	2.959	43	25665	4.808	ug/L	98
16) Methylene chloride	3.043	84	87575	4.894	ug/L	96
17) Methyl tert-butyl Ether	3.361	73	177575	4.634	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	68560	4.379	ug/L	96
19) 1,1-Dichloroethane	3.863	63	148362	4.667	ug/L	96
21) 2-Butanone	4.715	43	164040	42.587	ug/L	94
22) cis-1,2-Dichloroethene	4.663	96	85516	4.511	ug/L	95
23) Bromochloromethane	4.975	128	37147	4.810	ug/L	95
25) Chloroform	5.084	83	163051	4.783	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.792	62	84969	4.243	ug/L	99
29) 1,1,1-Trichloroethane	5.313	97	135752	4.719	ug/L	98
30) Cyclohexane	5.383	56	100822	4.154	ug/L	99
31) Carbon tetrachloride	5.522	117	112287	4.576	ug/L	94
33) Benzene	5.772	78	319373	4.586	ug/L	100
34) Trichloroethene	6.541	95	86303	4.430	ug/L	98
35) Methylcyclohexane	6.760	83	112874	4.293	ug/L	96
37) 1,2-Dichloropropane	6.785	63	89658	4.848	ug/L	100
38) Bromodichloromethane	7.104	83	114402	4.928	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	123320	4.681	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	399006	44.759	ug/L	97
42) Toluene	7.965	91	344094	4.727	ug/L	99
44) trans-1,3-Dichloropropene	8.210	75	99468	4.677	ug/L	97
45) 1,1,2-Trichloroethane	8.396	97	63445	4.879	ug/L	97
47) Tetrachloroethene	8.550	164	64794	4.749	ug/L	96
48) 2-Hexanone	8.682	43	312478	44.581	ug/L	99
49) Dibromochloromethane	8.808	129	70978	4.973	ug/L	100
50) 1,2-Dibromoethane	8.920	107	55027	4.664	ug/L	98
51) Chlorobenzene	9.444	112	225392	4.725	ug/L	97
52) Ethylbenzene	9.566	91	377274	4.572	ug/L	99
53) m,p-Xylene	9.692	106	142669	4.627	ug/L	98
54) o-Xylene	10.097	106	140491	4.656	ug/L	98
55) Styrene	10.113	104	234714	4.853	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.779	83	73116	4.858	ug/L #	98
59) Bromoform	10.287	173	40615	5.060	ug/L #	98
60) Isopropylbenzene	10.480	105	374043	4.758	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	51454	4.750	ug/L	95
62) 1,3,5-Trimethylbenzene	11.084	105	293969	4.575	ug/L	99
63) 1,2,4-Trimethylbenzene	11.464	105	288374	4.831	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	178761	4.796	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	175168	4.709	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	167856	4.905	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.994	75	9957	5.151	ug/L	98
69) 1,3,5-Trichlorobenzene	13.216	180	132355	5.197	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	98411	5.228	ug/L	98
71) Naphthalene	14.084	128	134274	4.926	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	82335	5.073	ug/L	98

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

