

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092823\
 Data File : VU055571.D
 Acq On : 28 Sep 2023 10:10
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005149

Quant Time: Sep 28 14:10:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 27 23:33:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	187082	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	193223	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	108328	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	86045	4.551	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.000%
7) Chloroethane-d5	1.910	69	74913	4.496	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.000%
11) 1,1-Dichloroethene-d2	2.563	65	33276	4.276	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.600%
20) 2-Butanone-d5	4.634	46	150280	44.002	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.000%
24) Chloroform-d	5.058	84	160751	4.700	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.000%
26) 1,2-Dichloroethane-d4	5.698	65	74462	4.526	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.600%
32) Benzene-d6	5.724	84	310377	4.592	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.800%
36) 1,2-Dichloropropane-d6	6.688	67	91158	4.514	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.200%
41) Toluene-d8	7.894	98	283004	4.594	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.800%
43) trans-1,3-Dichloroprop...	8.180	79	30440	4.295	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.000%
46) 2-Hexanone-d5	8.634	63	83321	38.655	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.300%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	71956	4.755	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	98260	4.494	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	67091	3.684	ug/L	100
3) Chloromethane	1.518	50	86711	5.412	ug/L	99
5) Vinyl chloride	1.602	62	96475	5.581	ug/L	98
6) Bromomethane	1.856	94	55181	5.026	ug/L	99
8) Chloroethane	1.933	64	60219	5.339	ug/L	96
9) Trichlorofluoromethane	2.136	101	132304	5.519	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	71192	4.881	ug/L	99
12) 1,1-Dichloroethene	2.576	96	66175	5.059	ug/L	97
13) Acetone	2.647	43	88841	45.634	ug/L	98
14) Carbon disulfide	2.791	76	200231	5.092	ug/L	98
15) Methyl Acetate	2.952	43	30778	6.934	ug/L	95
16) Methylene chloride	3.042	84	99637	6.358	ug/L	98
17) Methyl tert-butyl Ether	3.361	73	142231	5.013	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	68129	5.168	ug/L	98
19) 1,1-Dichloroethane	3.865	63	130651	5.359	ug/L	97
21) 2-Butanone	4.711	43	137946	48.312	ug/L	99
22) cis-1,2-Dichloroethene	4.663	96	74694	4.887	ug/L	99
23) Bromochloromethane	4.971	128	34063	5.272	ug/L	97
25) Chloroform	5.084	83	136037	5.269	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.791	62	79660	5.031	ug/L	99
29) 1,1,1-Trichloroethane	5.312	97	118305	5.371	ug/L	98
30) Cyclohexane	5.386	56	96599	4.791	ug/L	98
31) Carbon tetrachloride	5.521	117	104245	5.521	ug/L	96
33) Benzene	5.772	78	292477	5.259	ug/L	100
34) Trichloroethene	6.541	95	78714	5.004	ug/L	98
35) Methylcyclohexane	6.762	83	107497	4.744	ug/L	98
37) 1,2-Dichloropropane	6.788	63	75708	5.205	ug/L	99
38) Bromodichloromethane	7.103	83	92759	5.442	ug/L	100
39) cis-1,3-Dichloropropene	7.605	75	97884	5.042	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	332351	50.375	ug/L	98
42) Toluene	7.968	91	313234	5.280	ug/L	99
44) trans-1,3-Dichloropropene	8.209	75	78819	5.075	ug/L	98
45) 1,1,2-Trichloroethane	8.399	97	54370	5.332	ug/L	98
47) Tetrachloroethene	8.550	164	57278	5.076	ug/L	95
48) 2-Hexanone	8.682	43	236365	46.226	ug/L	98
49) Dibromochloromethane	8.807	129	60511	5.660	ug/L	98
50) 1,2-Dibromoethane	8.923	107	51272	5.418	ug/L	98
51) Chlorobenzene	9.444	112	200158	5.268	ug/L	99
52) Ethylbenzene	9.569	91	326455	5.133	ug/L	98
53) m,p-Xylene	9.692	106	125236	5.255	ug/L	99
54) o-Xylene	10.097	106	121812	5.257	ug/L	91
55) Styrene	10.113	104	204036	5.446	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.778	83	62623	5.440	ug/L	99
59) Bromoform	10.290	173	33134	5.707	ug/L	100
60) Isopropylbenzene	10.482	105	326150	5.224	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	44655	5.281	ug/L	98
62) 1,3,5-Trimethylbenzene	11.087	105	248550	4.978	ug/L	100
63) 1,2,4-Trimethylbenzene	11.466	105	241240	4.936	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	160193	5.359	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	155415	5.202	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	144399	5.269	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.997	75	8277	5.647	ug/L	94
69) 1,3,5-Trichlorobenzene	13.215	180	98727	4.796	ug/L	99
70) 1,2,4-trichlorobenzene	13.839	180	75045	4.782	ug/L	96
71) Naphthalene	14.087	128	93837	4.130	ug/L	99
72) 1,2,3-Trichlorobenzene	14.328	180	62328	4.564	ug/L	99

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

