

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112023\
 Data File : VU056518.D
 Acq On : 20 Nov 2023 09:17
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005168

Quant Time: Nov 21 00:34:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Nov 18 00:12:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	283894	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	269351	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	140360	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	126045	5.936	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	118.800%
7) Chloroethane-d5	1.907	69	76664	4.709	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.200%
11) 1,1-Dichloroethene-d2	2.563	65	54892	5.858	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	117.200%
20) 2-Butanone-d5	4.624	46	227123	53.641	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.280%
24) Chloroform-d	5.055	84	229021	5.576	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.600%
26) 1,2-Dichloroethane-d4	5.695	65	105769	5.573	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.400%
32) Benzene-d6	5.721	84	443423	5.526	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.600%
36) 1,2-Dichloropropane-d6	6.685	67	135674	5.610	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.200%
41) Toluene-d8	7.894	98	418454	5.905	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	118.000%
43) trans-1,3-Dichloroprop...	8.177	79	52838	5.696	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	114.000%
46) 2-Hexanone-d5	8.634	63	207162	56.830	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.660%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	100719	5.828	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	116.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	139667	5.386	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	112353	4.995	ug/L	96
3) Chloromethane	1.515	50	99506	4.329	ug/L	94
5) Vinyl chloride	1.602	62	105952	4.784	ug/L	94
6) Bromomethane	1.856	94	44957	4.010	ug/L	97
8) Chloroethane	1.930	64	54635	4.038	ug/L	98
9) Trichlorofluoromethane	2.132	101	174023	5.453	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	104379	5.509	ug/L	97
12) 1,1-Dichloroethene	2.573	96	89701	5.162	ug/L	84
13) Acetone	2.634	43	182893	50.716	ug/L	96
14) Carbon disulfide	2.788	76	252254	4.461	ug/L	98
15) Methyl Acetate	2.949	43	32861	5.120	ug/L	98
16) Methylene chloride	3.042	84	124193	5.400	ug/L	95
17) Methyl tert-butyl Ether	3.354	73	220806	5.230	ug/L	100
18) trans-1,2-Dichloroethene	3.348	96	92979	5.200	ug/L	94
19) 1,1-Dichloroethane	3.862	63	186061	5.253	ug/L	98
21) 2-Butanone	4.705	43	240332	51.359	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	105638	5.209	ug/L	99
23) Bromochloromethane	4.968	128	45470	5.448	ug/L	95
25) Chloroform	5.081	83	202762	5.284	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	114946	5.276	ug/L	97
29) 1,1,1-Trichloroethane	5.309	97	174729	5.651	ug/L	99
30) Cyclohexane	5.383	56	144205	4.914	ug/L	100
31) Carbon tetrachloride	5.521	117	149698	5.637	ug/L	96
33) Benzene	5.769	78	412728	5.370	ug/L	100
34) Trichloroethene	6.537	95	118327	5.651	ug/L	97
35) Methylcyclohexane	6.759	83	158951	5.258	ug/L	98
37) 1,2-Dichloropropane	6.785	63	112967	5.636	ug/L	100
38) Bromodichloromethane	7.100	83	148112	5.724	ug/L	97
39) cis-1,3-Dichloropropene	7.605	75	157498	5.348	ug/L	98
40) 4-Methyl-2-pentanone	7.788	43	556413	56.005	ug/L	98
42) Toluene	7.965	91	443770	5.577	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	128542	5.475	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	74523	5.583	ug/L	96
47) Tetrachloroethene	8.550	164	77990	5.523	ug/L	99
48) 2-Hexanone	8.685	43	423965	54.776	ug/L	99
49) Dibromochloromethane	8.807	129	83941	5.530	ug/L	96
50) 1,2-Dibromoethane	8.920	107	68418	5.429	ug/L	98
51) Chlorobenzene	9.444	112	276799	5.414	ug/L	98
52) Ethylbenzene	9.566	91	484826	5.487	ug/L	99
53) m,p-Xylene	9.692	106	184385	5.677	ug/L	97
54) o-Xylene	10.097	106	182283	5.777	ug/L	100
55) Styrene	10.113	104	312872	5.961	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.778	83	94980	5.828	ug/L	97
59) Bromoform	10.286	173	50280	5.751	ug/L	99
60) Isopropylbenzene	10.479	105	506421	5.595	ug/L	99
61) 1,2,3-Trichloropropane	10.820	75	65863	5.469	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	398841	5.366	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	418425	5.703	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	233423	5.669	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	230658	5.585	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	209492	5.546	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.990	75	12611	4.902	ug/L	89
69) 1,3,5-Trichlorobenzene	13.216	180	167340	5.398	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	121559	4.814	ug/L	98
71) Naphthalene	14.084	128	164872	4.322	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	100120	4.813	ug/L	97

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

