

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111323\
 Data File : VU056249.D
 Acq On : 13 Nov 2023 13:13
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005149

Quant Time: Nov 13 23:49:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Nov 13 23:42:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	326337	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	318385	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.808	152	154950	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	108015	4.425	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.600%
7) Chloroethane-d5	1.911	69	84775	4.530	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.600%
11) 1,1-Dichloroethene-d2	2.564	65	49108	4.559	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.200%
20) 2-Butanone-d5	4.625	46	217242	44.634	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.260%
24) Chloroform-d	5.059	84	206311	4.370	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.400%
26) 1,2-Dichloroethane-d4	5.695	65	97289	4.459	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.200%
32) Benzene-d6	5.721	84	414155	4.366	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.400%
36) 1,2-Dichloropropane-d6	6.686	67	124604	4.358	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.200%
41) Toluene-d8	7.895	98	373438	4.458	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.200%
43) trans-1,3-Dichloroprop...	8.177	79	46982	4.285	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.600%
46) 2-Hexanone-d5	8.631	63	191652	44.478	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.960%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	87177	4.267	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	121507	4.245	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.384	85	132996	5.144	ug/L	97
3) Chloromethane	1.519	50	130857	4.952	ug/L	97
5) Vinyl chloride	1.602	62	128318	5.040	ug/L	99
6) Bromomethane	1.856	94	69779	5.415	ug/L	98
8) Chloroethane	1.930	64	77739	4.999	ug/L	98
9) Trichlorofluoromethane	2.136	101	188842	5.147	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	111945	5.140	ug/L	100
12) 1,1-Dichloroethene	2.576	96	102551	5.134	ug/L	97
13) Acetone	2.631	43	224252	54.097	ug/L	99
14) Carbon disulfide	2.792	76	325856	5.013	ug/L	98
15) Methyl Acetate	2.946	43	36338	4.926	ug/L	99
16) Methylene chloride	3.043	84	118596	4.486	ug/L	99
17) Methyl tert-butyl Ether	3.355	73	245083	5.050	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	105070	5.112	ug/L	98
19) 1,1-Dichloroethane	3.863	63	208296	5.116	ug/L	99
21) 2-Butanone	4.702	43	281001	52.240	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	119029	5.106	ug/L	97
23) Bromochloromethane	4.969	128	48098	5.013	ug/L	95
25) Chloroform	5.081	83	213633	4.843	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.789	62	128275	5.122	ug/L	98
29) 1,1,1-Trichloroethane	5.309	97	186177	5.094	ug/L	100
30) Cyclohexane	5.383	56	177780	5.125	ug/L	100
31) Carbon tetrachloride	5.518	117	160169	5.103	ug/L	98
33) Benzene	5.769	78	460412	5.068	ug/L	100
34) Trichloroethene	6.538	95	125011	5.051	ug/L	98
35) Methylcyclohexane	6.760	83	187214	5.239	ug/L	100
37) 1,2-Dichloropropane	6.785	63	121095	5.111	ug/L	99
38) Bromodichloromethane	7.100	83	150351	4.916	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	175969	5.055	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	593593	50.545	ug/L	99
42) Toluene	7.965	91	488221	5.191	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	142070	5.119	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	81025	5.135	ug/L	94
47) Tetrachloroethene	8.550	164	86839	5.203	ug/L	99
48) 2-Hexanone	8.682	43	482312	52.718	ug/L	100
49) Dibromochloromethane	8.804	129	88982	4.959	ug/L	92
50) 1,2-Dibromoethane	8.920	107	72951	4.898	ug/L	99
51) Chlorobenzene	9.444	112	302830	5.011	ug/L	99
52) Ethylbenzene	9.566	91	538892	5.160	ug/L	100
53) m,p-Xylene	9.692	106	200648	5.226	ug/L	99
54) o-Xylene	10.097	106	196892	5.279	ug/L	96
55) Styrene	10.110	104	329137	5.305	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.779	83	97040	5.037	ug/L	96
59) Bromoform	10.287	173	49285	5.106	ug/L	99
60) Isopropylbenzene	10.480	105	533156	5.335	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	69072	5.195	ug/L	96
62) 1,3,5-Trimethylbenzene	11.084	105	441681	5.383	ug/L	98
63) 1,2,4-Trimethylbenzene	11.464	105	439091	5.422	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	240260	5.285	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	235429	5.163	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	217138	5.207	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.994	75	13628	4.799	ug/L	99
69) 1,3,5-Trichlorobenzene	13.216	180	177640	5.191	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	140527	5.041	ug/L	98
71) Naphthalene	14.084	128	215179	5.109	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	119612	5.209	ug/L	97

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

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