

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120523\
 Data File : VU056654.D
 Acq On : 05 Dec 2023 15:42
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005186

Quant Time: Dec 06 01:42:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 06 01:41:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	278089	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	276136	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	141254	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	79059	3.801	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.000%
7) Chloroethane-d5	1.911	69	67794	4.251	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.000%
11) 1,1-Dichloroethene-d2	2.563	65	37890	4.128	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.600%
20) 2-Butanone-d5	4.624	46	242460	58.458	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.920%
24) Chloroform-d	5.058	84	197588	4.911	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.200%
26) 1,2-Dichloroethane-d4	5.698	65	92115	4.955	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.000%
32) Benzene-d6	5.724	84	353029	4.291	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.800%
36) 1,2-Dichloropropane-d6	6.685	67	114884	4.633	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.600%
41) Toluene-d8	7.894	98	307776	4.236	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.800%
43) trans-1,3-Dichloroprop...	8.177	79	43235	4.546	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.000%
46) 2-Hexanone-d5	8.631	63	193100	51.671	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.340%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	90473	5.106	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	111785	4.284	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	81985	3.721	ug/L	99
3) Chloromethane	1.518	50	87946	3.906	ug/L	99
5) Vinyl chloride	1.602	62	93370	4.304	ug/L	96
6) Bromomethane	1.856	94	52242	4.758	ug/L	97
8) Chloroethane	1.933	64	55313	4.174	ug/L	98
9) Trichlorofluoromethane	2.136	101	145806	4.664	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	93852	5.057	ug/L	99
12) 1,1-Dichloroethene	2.576	96	83335	4.895	ug/L	94
13) Acetone	2.637	43	142582	40.363	ug/L	100
14) Carbon disulfide	2.792	76	195035	3.521	ug/L	99
15) Methyl Acetate	2.952	43	32713	5.204	ug/L	97
16) Methylene chloride	3.039	84	101708	4.515	ug/L	98
17) Methyl tert-butyl Ether	3.358	73	220666	5.335	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	82621	4.717	ug/L	97
19) 1,1-Dichloroethane	3.862	63	185773	5.354	ug/L	98
21) 2-Butanone	4.705	43	217049	47.352	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	100572	5.063	ug/L	96
23) Bromochloromethane	4.968	128	43258	5.291	ug/L	96
25) Chloroform	5.081	83	196341	5.223	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	112213	5.258	ug/L #	95
29) 1,1,1-Trichloroethane	5.309	97	165669	5.227	ug/L	99
30) Cyclohexane	5.383	56	119299	3.965	ug/L	100
31) Carbon tetrachloride	5.518	117	134864	4.954	ug/L	99
33) Benzene	5.769	78	382449	4.854	ug/L	100
34) Trichloroethene	6.537	95	105162	4.899	ug/L	96
35) Methylcyclohexane	6.759	83	125164	4.039	ug/L	97
37) 1,2-Dichloropropane	6.785	63	105328	5.126	ug/L	100
38) Bromodichloromethane	7.100	83	139091	5.244	ug/L	100
39) cis-1,3-Dichloropropene	7.605	75	146426	4.850	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	533115	52.341	ug/L	99
42) Toluene	7.965	91	407276	4.993	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	125483	5.213	ug/L	97
45) 1,1,2-Trichloroethane	8.396	97	75601	5.525	ug/L	94
47) Tetrachloroethene	8.550	164	71117	4.913	ug/L	98
48) 2-Hexanone	8.682	43	384286	48.430	ug/L	97
49) Dibromochloromethane	8.804	129	83888	5.391	ug/L	95
50) 1,2-Dibromoethane	8.920	107	65612	5.079	ug/L	100
51) Chlorobenzene	9.444	112	260386	4.968	ug/L	99
52) Ethylbenzene	9.566	91	449461	4.962	ug/L	99
53) m,p-Xylene	9.692	106	170600	5.123	ug/L	96
54) o-Xylene	10.097	106	163513	5.055	ug/L	96
55) Styrene	10.113	104	282743	5.255	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	87246	5.222	ug/L	97
59) Bromoform	10.287	173	47484	5.397	ug/L	99
60) Isopropylbenzene	10.479	105	446904	4.906	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	62579	5.163	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	365826	4.891	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	365109	4.945	ug/L	100
64) 1,3-Dichlorobenzene	11.743	146	206756	4.989	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	201835	4.856	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	191534	5.038	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.991	75	11126	4.298	ug/L	98
69) 1,3,5-Trichlorobenzene	13.216	180	153919	4.933	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	114419	4.503	ug/L	98
71) Naphthalene	14.084	128	154826	4.033	ug/L	98
72) 1,2,3-Trichlorobenzene	14.325	180	95695	4.572	ug/L	97

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

