

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U042923\
 Data File : VU053965.D
 Acq On : 28 Apr 2023 12:04
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050081

Quant Time: Apr 29 04:31:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 14 01:54:10 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	257388	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	236759	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	130860	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	80709	40.270	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.540%
7) Chloroethane-d5	1.909	69	85039	55.032	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	110.060%
11) 1,1-Dichloroethene-d2	2.565	63	127199	41.000	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.000%
21) 2-Butanone-d5	4.626	46	69845	76.972	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	76.970%
24) Chloroform-d	5.057	84	144469	43.586	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.180%
26) 1,2-Dichloroethane-d4	5.697	65	84175	42.978	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.960%
32) Benzene-d6	5.722	84	287411	44.973	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.940%
36) 1,2-Dichloropropane-d6	6.687	67	88378	45.244	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.480%
41) Toluene-d8	7.893	98	276763	43.572	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.140%
43) trans-1,3-Dichloroprop...	8.176	79	45092	44.720	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.440%
47) 2-Hexanone-d5	8.632	63	59387	89.081	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.080%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	130268	47.316	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.640%
66) 1,2-Dichlorobenzene-d4	12.188	152	115288	42.207	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.420%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	80715	38.637	ug/L	99
3) Chloromethane	1.520	50	71461	41.629	ug/L	97
5) Vinyl chloride	1.604	62	84601	42.525	ug/L	98
6) Bromomethane	1.858	94	71414	49.335	ug/L	98
8) Chloroethane	1.928	64	70509	58.928	ug/L	96
9) Trichlorofluoromethane	2.131	101	148348	48.481	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	85412	48.197	ug/L	95
12) 1,1-Dichloroethene	2.575	96	68859	43.600	ug/L	95
13) Acetone	2.636	43	75097	92.089	ug/L	93
14) Carbon disulfide	2.790	76	142417	34.089	ug/L	96
15) Methyl Acetate	2.948	43	54579	43.695	ug/L #	89
16) Methylene chloride	3.041	84	80572	45.388	ug/L	95
17) trans-1,2-Dichloroethene	3.350	96	70305	44.294	ug/L	96
18) Methyl tert-butyl Ether	3.359	73	224769	48.583	ug/L	98
19) 1,1-Dichloroethane	3.864	63	130249	49.538	ug/L	98
20) cis-1,2-Dichloroethene	4.661	96	87098	47.508	ug/L	96
22) 2-Butanone	4.706	43	83831	84.853	ug/L	88
23) Bromochloromethane	4.970	128	46213	45.253	ug/L	97
25) Chloroform	5.083	83	152020	50.410	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	103624	46.920	ug/L	100
29) Cyclohexane	5.385	56	95627	41.955	ug/L	99
30) 1,1,1-Trichloroethane	5.311	97	127604	48.913	ug/L	100
31) Carbon tetrachloride	5.520	117	111239	47.592	ug/L	100
33) Benzene	5.771	78	305551	49.533	ug/L	100
34) Trichloroethene	6.539	95	87026	46.645	ug/L	97
35) Methylcyclohexane	6.758	83	120268	43.854	ug/L	98
37) 1,2-Dichloropropane	6.787	63	81258	51.879	ug/L	100
38) Bromodichloromethane	7.099	83	107410	51.404	ug/L	99
39) cis-1,3-Dichloropropene	7.603	75	128769	50.309	ug/L	100
40) 4-Methyl-2-pentanone	7.790	43	155054	91.096	ug/L	95
42) Toluene	7.967	91	339565	48.575	ug/L	100
44) trans-1,3-Dichloropropene	8.205	75	123236	50.931	ug/L	100
45) 1,1,2-Trichloroethane	8.394	97	89497	52.042	ug/L	98
46) Tetrachloroethene	8.549	164	68506	44.248	ug/L	97
48) 2-Hexanone	8.684	43	130270	94.614	ug/L	97
49) Dibromochloromethane	8.806	129	88373	49.422	ug/L	98
50) 1,2-Dibromoethane	8.918	107	93948	48.830	ug/L	97
51) Chlorobenzene	9.443	112	229417	47.631	ug/L	98
52) Ethylbenzene	9.565	91	378753	48.671	ug/L	99
53) m,p-Xylene	9.690	106	147158	48.352	ug/L	97
54) o-Xylene	10.095	106	143341	47.636	ug/L	94
55) Styrene	10.111	104	250415	51.093	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.780	83	141775	56.151	ug/L	96
59) Bromoform	10.288	173	65461	48.872	ug/L	98
60) 1,2,3-Trichloropropane	10.819	75	102384	53.959	ug/L	98
61) Isopropylbenzene	10.481	105	388595	50.227	ug/L	99
62) 1,3,5-Trimethylbenzene	11.082	105	321486	49.986	ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	320508	50.315	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	191951	47.481	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	196631	47.723	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	195383	48.492	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.992	75	25777	50.960	ug/L	91
69) 1,3,5-Trichlorobenzene	13.214	180	138294	46.195	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	125569	45.241	ug/L	99
71) Naphthalene	14.082	128	393933	47.418	ug/L	100
72) 1,2,3-Trichlorobenzene	14.323	180	126597	45.665	ug/L	99

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

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