

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV013023\
 Data File : VV030002.D
 Acq On : 30 Jan 2023 19:21
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050282

Quant Time: Jan 31 02:22:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011823WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 31 02:16:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.606	114	502557	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.841	117	483445	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.236	152	290455	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	155054	44.278	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.560%
7) Chloroethane-d5	1.561	69	141555	48.053	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.100%
11) 1,1-Dichloroethene-d2	2.105	63	307574	49.426	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.860%
21) 2-Butanone-d5	3.863	46	237757	116.517	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.520%
24) Chloroform-d	4.336	84	299260	45.964	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.920%
26) 1,2-Dichloroethane-d4	5.021	65	170204	46.694	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.380%
32) Benzene-d6	5.040	84	617888	47.772	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.540%
36) 1,2-Dichloropropane-d6	6.059	67	202733	50.921	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.840%
41) Toluene-d8	7.304	98	555105	46.832	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.660%
43) trans-1,3-Dichloroprop...	7.609	79	90089	50.943	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.880%
47) 2-Hexanone-d5	8.079	63	196452	114.759	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.760%
56) 1,1,2,2-Tetrachloroeth...	10.204	84	301678	48.965	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.920%
66) 1,2-Dichlorobenzene-d4	11.609	152	227845	44.025	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.060%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	201882	56.114	ug/L	99
3) Chloromethane	1.240	50	283411	77.378	ug/L	100
5) Vinyl chloride	1.307	62	267343	63.424	ug/L	99
6) Bromomethane	1.513	94	85219	47.632	ug/L	98
8) Chloroethane	1.577	64	166106	61.656	ug/L	97
9) Trichlorofluoromethane	1.748	101	287392	50.550	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	177955	50.885	ug/L	95
12) 1,1-Dichloroethene	2.114	96	183003	54.238	ug/L	88
13) Acetone	2.153	43	194325	78.858	ug/L	100
14) Carbon disulfide	2.288	76	564149	65.507	ug/L	100
15) Methyl Acetate	2.420	43	206435	64.762	ug/L	95
16) Methylene chloride	2.500	84	218428	54.261	ug/L	95
17) trans-1,2-Dichloroethene	2.751	96	191906	54.237	ug/L	93
18) Methyl tert-butyl Ether	2.761	73	593167	53.617	ug/L	99
19) 1,1-Dichloroethane	3.178	63	361356	56.179	ug/L	99
20) cis-1,2-Dichloroethene	3.899	96	213532	53.911	ug/L	97
22) 2-Butanone	3.947	43	280406	110.008	ug/L	99
23) Bromochloromethane	4.236	128	108017	52.102	ug/L	89
25) Chloroform	4.362	83	344341	51.532	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.117	62	253105	54.860	ug/L	100
29) Cyclohexane	4.667	56	324806	64.044	ug/L	94
30) 1,1,1-Trichloroethane	4.596	97	287624	51.215	ug/L	97
31) Carbon tetrachloride	4.818	117	240991	50.596	ug/L	99
33) Benzene	5.088	78	825875	56.840	ug/L	100
34) Trichloroethene	5.905	95	196610	53.747	ug/L	95
35) Methylcyclohexane	6.124	83	345180	58.412	ug/L	98
37) 1,2-Dichloropropane	6.162	63	217249	57.547	ug/L	99
38) Bromodichloromethane	6.500	83	260320	53.082	ug/L	97
39) cis-1,3-Dichloropropene	7.014	75	327306	61.347	ug/L	100
40) 4-Methyl-2-pentanone	7.217	43	556817	133.299	ug/L	96
42) Toluene	7.378	91	872600	56.244	ug/L	100
44) trans-1,3-Dichloropropene	7.638	75	305288	61.167	ug/L	100
45) 1,1,2-Trichloroethane	7.828	97	206058	53.959	ug/L	99
46) Tetrachloroethene	7.966	164	154724	51.275	ug/L	99
48) 2-Hexanone	8.130	43	424199	123.821	ug/L	94
49) Dibromochloromethane	8.233	129	209821	52.788	ug/L	100
50) 1,2-Dibromoethane	8.339	107	208422	54.502	ug/L	99
51) Chlorobenzene	8.870	112	548451	51.443	ug/L	98
52) Ethylbenzene	9.001	91	913971	53.901	ug/L	99
53) m,p-Xylene	9.127	106	356940	53.013	ug/L	99
54) o-Xylene	9.532	106	344464	52.841	ug/L	98
55) Styrene	9.548	104	618555	52.613	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.230	83	350134	54.595	ug/L	99
59) Bromoform	9.718	173	154123	53.500	ug/L	99
60) Isopropylbenzene	9.918	105	903439	52.142	ug/L	100
61) 1,2,3-Trichloropropane	10.262	75	259248	54.807	ug/L	98
62) 1,3,5-Trimethylbenzene	10.525	105	767795	52.778	ug/L	100
63) 1,2,4-Trimethylbenzene	10.902	105	772534	53.279	ug/L	99
64) 1,3-Dichlorobenzene	11.169	146	441953	50.488	ug/L	99
65) 1,4-Dichlorobenzene	11.259	146	455664	50.245	ug/L	99
67) 1,2-Dichlorobenzene	11.628	146	478820	54.336	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.413	75	71776	56.785	ug/L	98
69) 1,3,5-Trichlorobenzene	12.631	180	330426	48.487	ug/L	99
70) 1,2,4-trichlorobenzene	13.246	180	303900	50.523	ug/L	99
71) Naphthalene	13.487	128	940315	58.125	ug/L	100
72) 1,2,3-Trichlorobenzene	13.728	180	306757	52.331	ug/L	99

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

