

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV092921\
 Data File : VV022371.D
 Acq On : 29 Sep 2021 12:29
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050349

Quant Time: Sep 30 05:12:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092721WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 29 01:30:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	264878	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	256688	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	139137	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	98686	43.901	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.800%
7) Chloroethane-d5	1.561	69	80874	45.487	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.980%
11) 1,1-Dichloroethene-d2	2.104	63	184285	47.152	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.300%
21) 2-Butanone-d5	3.870	46	153183	96.559	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.560%
24) Chloroform-d	4.342	84	193597	47.695	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.400%
26) 1,2-Dichloroethane-d4	5.027	65	114441	45.976	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.960%
32) Benzene-d6	5.047	84	385264	47.710	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.420%
36) 1,2-Dichloropropane-d6	6.066	67	121274	46.944	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.880%
41) Toluene-d8	7.313	98	355109	48.045	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.100%
43) trans-1,3-Dichloroprop...	7.619	79	55311	46.887	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.780%
47) 2-Hexanone-d5	8.085	63	104218	99.281	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.280%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	173009	46.135	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.260%
66) 1,2-Dichlorobenzene-d4	11.625	152	143912	46.515	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.020%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	130861	51.841	ug/L	99
3) Chloromethane	1.240	50	124555	48.248	ug/L	98
5) Vinyl chloride	1.310	62	124070	51.497	ug/L	99
6) Bromomethane	1.516	94	66704	43.131	ug/L	99
8) Chloroethane	1.580	64	75383	51.315	ug/L	97
9) Trichlorofluoromethane	1.751	101	170514	52.128	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.114	101	97934	53.399	ug/L	98
12) 1,1-Dichloroethene	2.114	96	90904	52.176	ug/L	93
13) Acetone	2.162	43	134361	107.910	ug/L	99
14) Carbon disulfide	2.291	76	274367	50.469	ug/L	100
15) Methyl Acetate	2.426	43	118123	50.898	ug/L	98
16) Methylene chloride	2.503	84	111814	46.049	ug/L	99
17) trans-1,2-Dichloroethene	2.757	96	100982	50.258	ug/L	99
18) Methyl tert-butyl Ether	2.764	73	299425	50.112	ug/L	100
19) 1,1-Dichloroethane	3.185	63	183795	50.677	ug/L	99
20) cis-1,2-Dichloroethene	3.908	96	106757	49.887	ug/L	97
22) 2-Butanone	3.957	43	162414	99.157	ug/L	99
23) Bromochloromethane	4.243	128	58971	50.830	ug/L	98
25) Chloroform	4.371	83	183478	49.110	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.124	62	132776	49.978	ug/L	99
29) Cyclohexane	4.674	56	158253	52.614	ug/L	100
30) 1,1,1-Trichloroethane	4.603	97	159865	51.889	ug/L	100
31) Carbon tetrachloride	4.825	117	141468	52.137	ug/L	99
33) Benzene	5.095	78	411313	52.507	ug/L	100
34) Trichloroethene	5.911	95	102353	50.808	ug/L	98
35) Methylcyclohexane	6.130	83	166498	53.650	ug/L	99
37) 1,2-Dichloropropane	6.172	63	104219	51.840	ug/L	100
38) Bromodichloromethane	6.506	83	130882	50.917	ug/L	97
39) cis-1,3-Dichloropropene	7.024	75	156513	52.893	ug/L	97
40) 4-Methyl-2-pentanone	7.223	43	283427	100.191	ug/L	99
42) Toluene	7.384	91	436644	52.220	ug/L	99
44) trans-1,3-Dichloropropene	7.648	75	149454	52.899	ug/L	99
45) 1,1,2-Trichloroethane	7.837	97	103204	50.441	ug/L	100
46) Tetrachloroethene	7.972	164	89167	53.757	ug/L	95
48) 2-Hexanone	8.136	43	228554	106.386	ug/L	99
49) Dibromochloromethane	8.246	129	111620	51.555	ug/L	99
50) 1,2-Dibromoethane	8.349	107	109454	50.047	ug/L	99
51) Chlorobenzene	8.879	112	278528	50.632	ug/L	99
52) Ethylbenzene	9.011	91	454238	51.865	ug/L	100
53) m,p-Xylene	9.136	106	178909	53.044	ug/L	99
54) o-Xylene	9.541	106	176503	53.857	ug/L	99
55) Styrene	9.558	104	308570	54.155	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.239	83	165549	48.882	ug/L	99
59) Bromoform	9.731	173	80394	51.502	ug/L	98
60) Isopropylbenzene	9.931	105	456400	53.253	ug/L	99
61) 1,2,3-Trichloropropane	10.271	75	126646	48.788	ug/L	99
62) 1,3,5-Trimethylbenzene	10.538	105	382629	54.176	ug/L	100
63) 1,2,4-Trimethylbenzene	10.914	105	387712	54.399	ug/L	99
64) 1,3-Dichlorobenzene	11.181	146	222935	51.312	ug/L	100
65) 1,4-Dichlorobenzene	11.271	146	223969	50.611	ug/L	98
67) 1,2-Dichlorobenzene	11.644	146	222686	50.192	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.429	75	33697	49.162	ug/L	97
69) 1,3,5-Trichlorobenzene	12.644	180	161629	51.569	ug/L	99
70) 1,2,4-trichlorobenzene	13.262	180	134381	50.672	ug/L	100
71) Naphthalene	13.503	128	423225	52.085	ug/L	100
72) 1,2,3-Trichlorobenzene	13.744	180	141099	51.531	ug/L	100

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

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