

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV081623\
 Data File : VV031822.D
 Acq On : 16 Aug 2023 15:27
 Operator : SY/MD
 Sample : VSTDCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050281

Quant Time: Aug 17 02:01:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 17 01:59:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	366492	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	397492	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	253934	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	217231	58.143	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	= 116.280%		
7) Chloroethane-d5	1.529	69	177761	51.918	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	= 103.840%		
11) 1,1-Dichloroethene-d2	2.059	65	94303	54.529	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 109.060%		
21) 2-Butanone-d5	3.793	46	213057	82.412	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	= 82.410%		
24) Chloroform-d	4.252	84	402461	52.395	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 104.780%		
26) 1,2-Dichloroethane-d4	4.944	65	243906	51.033	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 102.060%		
32) Benzene-d6	4.963	84	732389	58.186	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 116.380%		
36) 1,2-Dichloropropane-d6	5.992	67	240157	50.793	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	= 101.580%		
41) Toluene-d8	7.246	98	701409	66.482	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 132.960%#		
43) trans-1,3-Dichloroprop...	7.554	79	110766	54.503	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 109.000%		
47) 2-Hexanone-d5	8.030	63	109612	61.822	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	= 61.820%		
56) 1,1,2,2-Tetrachloroeth...	10.156	84	309502	47.509	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	= 95.020%		
66) 1,2-Dichlorobenzene-d4	11.567	152	263661	51.282	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 102.560%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	211752	46.751	ug/L	100
3) Chloromethane	1.217	50	216588	50.278	ug/L	98
5) Vinyl chloride	1.281	62	223766	51.279	ug/L	99
6) Bromomethane	1.484	94	150858	50.158	ug/L	99
8) Chloroethane	1.548	64	143823	49.382	ug/L	98
9) Trichlorofluoromethane	1.712	101	372768	50.674	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	223878	52.685	ug/L	99
12) 1,1-Dichloroethene	2.069	96	177589	50.284	ug/L	91
13) Acetone	2.114	43	245707	99.293	ug/L	99
14) Carbon disulfide	2.240	76	424323	48.876	ug/L	100
15) Methyl Acetate	2.375	43	237077	55.017	ug/L	96
16) Methylene chloride	2.449	84	208776	52.617	ug/L	99
17) trans-1,2-Dichloroethene	2.696	96	168657	53.683	ug/L	99
18) Methyl tert-butyl Ether	2.709	73	578606	55.983	ug/L	99
19) 1,1-Dichloroethane	3.114	63	382312	52.568	ug/L	97
20) cis-1,2-Dichloroethene	3.818	96	186805	52.651	ug/L	95
22) 2-Butanone	3.870	43	323708	115.011	ug/L	98
23) Bromochloromethane	4.149	128	104330	53.108	ug/L	92
25) Chloroform	4.281	83	405066	52.581	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	302478	52.794	ug/L	100
29) Cyclohexane	4.590	56	261673	53.464	ug/L	99
30) 1,1,1-Trichloroethane	4.516	97	347073	50.831	ug/L	99
31) Carbon tetrachloride	4.738	117	305324	51.213	ug/L	99
33) Benzene	5.014	78	771025	55.148	ug/L	100
34) Trichloroethene	5.837	95	229482	52.014	ug/L	99
35) Methylcyclohexane	6.056	83	266351	54.276	ug/L	98
37) 1,2-Dichloropropane	6.098	63	224586	54.075	ug/L	99
38) Bromodichloromethane	6.436	83	308598	52.089	ug/L	97
39) cis-1,3-Dichloropropene	6.956	75	310338	52.634	ug/L	98
40) 4-Methyl-2-pentanone	7.162	43	628521	118.821	ug/L	98
42) Toluene	7.320	91	829785	57.789	ug/L	99
44) trans-1,3-Dichloropropene	7.583	75	327254	55.618	ug/L	98
45) 1,1,2-Trichloroethane	7.773	97	224474	53.563	ug/L	97
46) Tetrachloroethene	7.908	164	152643	54.757	ug/L	94
48) 2-Hexanone	8.082	43	500888	118.715	ug/L	97
49) Dibromochloromethane	8.181	129	239769	54.217	ug/L	97
50) 1,2-Dibromoethane	8.288	107	235709	53.388	ug/L	95
51) Chlorobenzene	8.818	112	526461	54.873	ug/L	98
52) Ethylbenzene	8.953	91	878435	56.453	ug/L	99
53) m,p-Xylene	9.078	106	329993	58.807	ug/L	100
54) o-Xylene	9.484	106	311406	57.902	ug/L	97
55) Styrene	9.500	104	613405	62.437	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.181	83	310549	53.440	ug/L	98
59) Bromoform	9.670	173	181299	52.072	ug/L #	93
60) Isopropylbenzene	9.873	105	878421	55.428	ug/L	99
61) 1,2,3-Trichloropropane	10.213	75	292960	49.185	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	697946	54.430	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	722705	55.675	ug/L	100
64) 1,3-Dichlorobenzene	11.123	146	449840	54.300	ug/L	98
65) 1,4-Dichlorobenzene	11.213	146	471920	53.587	ug/L	99
67) 1,2-Dichlorobenzene	11.583	146	446525	52.349	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	80710	48.719	ug/L	98
69) 1,3,5-Trichlorobenzene	12.590	180	317483	52.545	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	275576	50.980	ug/L	99
71) Naphthalene	13.445	128	813852	52.231	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	305237	54.020	ug/L	99

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

