

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV090823\
 Data File : VV031975.D
 Acq On : 08 Sep 2023 10:15
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050290

Quant Time: Sep 09 05:29:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM082323WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 01 00:57:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	309906	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	300643	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	161526	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	106067	54.688	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 109.380%	
7) Chloroethane-d5	1.529	69	84287	49.575	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	= 99.140%	
11) 1,1-Dichloroethene-d2	2.056	65	45350	49.935	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 99.880%	
21) 2-Butanone-d5	3.786	46	167288	109.667	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 109.670%	
24) Chloroform-d	4.249	84	200521	47.301	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 94.600%	
26) 1,2-Dichloroethane-d4	4.944	65	129338	45.974	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 91.940%	
32) Benzene-d6	4.960	84	412080	50.231	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 100.460%	
36) 1,2-Dichloropropane-d6	5.992	67	131519	49.809	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 99.620%	
41) Toluene-d8	7.246	98	379751	50.239	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 100.480%	
43) trans-1,3-Dichloroprop...	7.555	79	70175	51.276	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 102.560%	
47) 2-Hexanone-d5	8.027	63	117487	145.171	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 145.170%#	
56) 1,1,2,2-Tetrachloroeth...	10.156	84	173200	50.760	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 101.520%	
66) 1,2-Dichlorobenzene-d4	11.564	152	143027	48.574	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 97.140%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	81652	43.279	ug/L	99
3) Chloromethane	1.217	50	89915	46.738	ug/L	99
5) Vinyl chloride	1.281	62	95056	46.267	ug/L	98
6) Bromomethane	1.484	94	54788	45.291	ug/L	100
8) Chloroethane	1.545	64	64029	46.894	ug/L	100
9) Trichlorofluoromethane	1.712	101	134912	45.047	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	85253	47.146	ug/L	98
12) 1,1-Dichloroethene	2.069	96	74329	45.763	ug/L	91
13) Acetone	2.111	43	151323	111.455	ug/L	99
14) Carbon disulfide	2.240	76	175871	47.521	ug/L	99
15) Methyl Acetate	2.371	43	125626	51.881	ug/L	100
16) Methylene chloride	2.445	84	98623	47.251	ug/L	99
17) trans-1,2-Dichloroethene	2.693	96	82988	46.604	ug/L	97
18) Methyl tert-butyl Ether	2.706	73	358066	47.579	ug/L	98
19) 1,1-Dichloroethane	3.111	63	193616	48.518	ug/L	99
20) cis-1,2-Dichloroethene	3.815	96	106821	47.815	ug/L	100
22) 2-Butanone	3.867	43	193453	107.680	ug/L	95
23) Bromochloromethane	4.146	128	51433	47.453	ug/L	96
25) Chloroform	4.275	83	189843	45.755	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	148826	45.530	ug/L	97
29) Cyclohexane	4.584	56	151184	48.297	ug/L	100
30) 1,1,1-Trichloroethane	4.513	97	161228	45.976	ug/L	99
31) Carbon tetrachloride	4.735	117	134630	45.212	ug/L	98
33) Benzene	5.011	78	391965	48.522	ug/L	100
34) Trichloroethene	5.834	95	108240	43.813	ug/L	99
35) Methylcyclohexane	6.053	83	150433	45.779	ug/L	97
37) 1,2-Dichloropropane	6.095	63	111252	48.588	ug/L	100
38) Bromodichloromethane	6.432	83	153354	47.186	ug/L	98
39) cis-1,3-Dichloropropene	6.956	75	187600	47.126	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	377542	103.886	ug/L	99
42) Toluene	7.317	91	422196	47.513	ug/L	100
44) trans-1,3-Dichloropropene	7.583	75	182632	47.749	ug/L	99
45) 1,1,2-Trichloroethane	7.770	97	111128	48.040	ug/L	98
46) Tetrachloroethene	7.908	164	72814	46.939	ug/L	97
48) 2-Hexanone	8.079	43	294452	106.097	ug/L	98
49) Dibromochloromethane	8.178	129	113511	47.752	ug/L	97
50) 1,2-Dibromoethane	8.284	107	113287	46.758	ug/L	99
51) Chlorobenzene	8.815	112	282104	47.778	ug/L	100
52) Ethylbenzene	8.947	91	494594	46.988	ug/L	99
53) m,p-Xylene	9.075	106	184028	47.087	ug/L	98
54) o-Xylene	9.480	106	182193	46.872	ug/L	100
55) Styrene	9.500	104	324586	47.236	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.181	83	176027	53.755	ug/L	99
59) Bromoform	9.667	173	80060	47.797	ug/L	99
60) Isopropylbenzene	9.870	105	503998	46.586	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	144915	47.487	ug/L	100
62) 1,3,5-Trimethylbenzene	10.480	105	417532	45.873	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	425331	46.453	ug/L	100
64) 1,3-Dichlorobenzene	11.120	146	229274	47.287	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	234225	47.508	ug/L	100
67) 1,2-Dichlorobenzene	11.583	146	226339	47.110	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.368	75	43438	47.388	ug/L	99
69) 1,3,5-Trichlorobenzene	12.586	180	162730	46.039	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	160873	47.416	ug/L	100
71) Naphthalene	13.442	128	541022	49.910	ug/L	100
72) 1,2,3-Trichlorobenzene	13.683	180	154897	47.644	ug/L	99

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

