

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052623\
 Data File : VW031248.D
 Acq On : 26 May 2023 12:51
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050356

Quant Time: May 27 00:53:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 27 00:51:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	358713	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	345710	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	199160	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	121195	39.533	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.060%
7) Chloroethane-d5	1.536	69	109409	46.327	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.660%
11) 1,1-Dichloroethene-d2	2.063	65	55633	38.699	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.400%
21) 2-Butanone-d5	3.796	46	195770	119.846	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.850%
24) Chloroform-d	4.256	84	261423	48.203	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.400%
26) 1,2-Dichloroethane-d4	4.947	65	171264	46.733	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.460%
32) Benzene-d6	4.966	84	461190	49.210	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.420%
36) 1,2-Dichloropropane-d6	5.995	67	144342	51.474	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.940%
41) Toluene-d8	7.249	98	427265	48.847	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.700%
43) trans-1,3-Dichloroprop...	7.558	79	72805	51.749	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.500%
47) 2-Hexanone-d5	8.030	63	132977	121.625	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	121.630%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	232826	55.357	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.720%
66) 1,2-Dichlorobenzene-d4	11.567	152	166089	46.408	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.820%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	100022	43.191	ug/L	97
3) Chloromethane	1.217	50	111183	43.853	ug/L	99
5) Vinyl chloride	1.285	62	109638	48.415	ug/L	100
6) Bromomethane	1.490	94	63299	49.877	ug/L	96
8) Chloroethane	1.552	64	75691	51.871	ug/L	98
9) Trichlorofluoromethane	1.716	101	184124	41.338	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	107811	45.899	ug/L	93
12) 1,1-Dichloroethene	2.072	96	83145	41.727	ug/L	86
13) Acetone	2.124	43	155305	73.131	ug/L	93
14) Carbon disulfide	2.246	76	172782	47.583	ug/L	97
15) Methyl Acetate	2.378	43	148306	61.446	ug/L	96
16) Methylene chloride	2.452	84	120845	54.476	ug/L	93
17) trans-1,2-Dichloroethene	2.699	96	87149	47.305	ug/L	92
18) Methyl tert-butyl Ether	2.709	73	370176	52.015	ug/L	94
19) 1,1-Dichloroethane	3.117	63	233811	55.689	ug/L	95
20) cis-1,2-Dichloroethene	3.822	96	110988	48.870	ug/L	91
22) 2-Butanone	3.879	43	205542	100.929	ug/L	96
23) Bromochloromethane	4.156	128	60876	48.778	ug/L	# 86
25) Chloroform	4.281	83	251437	53.610	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	190220	47.801	ug/L	99
29) Cyclohexane	4.590	56	140314	51.579	ug/L	93
30) 1,1,1-Trichloroethane	4.519	97	214490	50.560	ug/L	96
31) Carbon tetrachloride	4.744	117	182835	49.472	ug/L	100
33) Benzene	5.014	78	435056	52.529	ug/L	100
34) Trichloroethene	5.838	95	104490	47.085	ug/L	93
35) Methylcyclohexane	6.056	83	132656	45.048	ug/L	94
37) 1,2-Dichloropropane	6.101	63	125581	55.090	ug/L #	90
38) Bromodichloromethane	6.439	83	182728	51.710	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	194856	55.433	ug/L	100
40) 4-Methyl-2-pentanone	7.165	43	404803	115.401	ug/L	97
42) Toluene	7.320	91	462668	51.633	ug/L	98
44) trans-1,3-Dichloropropene	7.587	75	196219	55.180	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	132314	53.191	ug/L	96
46) Tetrachloroethene	7.911	164	84149	44.159	ug/L	95
48) 2-Hexanone	8.082	43	306585	104.935	ug/L	95
49) Dibromochloromethane	8.182	129	142145	50.647	ug/L	96
50) 1,2-Dibromoethane	8.288	107	131095	53.007	ug/L	97
51) Chlorobenzene	8.818	112	301788	47.318	ug/L	93
52) Ethylbenzene	8.953	91	507654	49.482	ug/L	98
53) m,p-Xylene	9.079	106	186615	46.892	ug/L	92
54) o-Xylene	9.484	106	179126	45.626	ug/L	87
55) Styrene	9.503	104	340860	49.091	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.185	83	225193	55.098	ug/L	98
59) Bromoform	9.670	173	106066	45.930	ug/L	99
60) Isopropylbenzene	9.873	105	519775	48.799	ug/L	97
61) 1,2,3-Trichloropropane	10.214	75	185217	60.452	ug/L	97
62) 1,3,5-Trimethylbenzene	10.484	105	419774	47.945	ug/L	93
63) 1,2,4-Trimethylbenzene	10.857	105	434336	50.736	ug/L	93
64) 1,3-Dichlorobenzene	11.124	146	254206	46.578	ug/L	96
65) 1,4-Dichlorobenzene	11.214	146	268521	47.293	ug/L	96
67) 1,2-Dichlorobenzene	11.587	146	266914	48.199	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.371	75	45981	48.889	ug/L	84
69) 1,3,5-Trichlorobenzene	12.590	180	165871	39.315	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	130431	36.327	ug/L	98
71) Naphthalene	13.445	128	372605	39.952	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	150445	41.931	ug/L	97

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

