

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061623\
 Data File : VW031563.D
 Acq On : 16 Jun 2023 09:38
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050374

Quant Time: Jun 17 02:05:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 16 05:51:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	242828	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	238845	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	148142	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	65439	40.492	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.980%
7) Chloroethane-d5	1.536	69	59578	42.251	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.500%
11) 1,1-Dichloroethene-d2	2.066	65	34058	40.890	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.780%
21) 2-Butanone-d5	3.799	46	105826	80.870	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	80.870%
24) Chloroform-d	4.259	84	173602	42.892	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.780%
26) 1,2-Dichloroethane-d4	4.947	65	112788	44.539	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.080%
32) Benzene-d6	4.966	84	301978	44.917	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.840%
36) 1,2-Dichloropropane-d6	5.995	67	104227	43.741	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.480%
41) Toluene-d8	7.249	98	289087	46.858	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.720%
43) trans-1,3-Dichloroprop...	7.555	79	50877	43.798	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.600%
47) 2-Hexanone-d5	8.030	63	78949	83.915	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.920%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	157650	43.832	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.660%
66) 1,2-Dichlorobenzene-d4	11.567	152	121788	43.128	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.260%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.111	85	121670	47.238	ug/L	100
3) Chloromethane	1.217	50	104868	43.148	ug/L	98
5) Vinyl chloride	1.288	62	108619	45.083	ug/L	99
6) Bromomethane	1.494	94	72147	45.945	ug/L	100
8) Chloroethane	1.555	64	66827	42.945	ug/L	95
9) Trichlorofluoromethane	1.719	101	188276	46.972	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	104266	48.540	ug/L	97
12) 1,1-Dichloroethene	2.076	96	85593	47.638	ug/L	90
13) Acetone	2.127	43	82444	63.847	ug/L	100
14) Carbon disulfide	2.246	76	258288	47.523	ug/L	99
15) Methyl Acetate	2.381	43	98315	45.222	ug/L	99
16) Methylene chloride	2.455	84	99937	44.365	ug/L	97
17) trans-1,2-Dichloroethene	2.703	96	87454	46.629	ug/L	97
18) Methyl tert-butyl Ether	2.712	73	291610	46.598	ug/L	99
19) 1,1-Dichloroethane	3.117	63	189731	46.872	ug/L	96
20) cis-1,2-Dichloroethene	3.825	96	95141	46.940	ug/L	97
22) 2-Butanone	3.879	43	122794	76.123	ug/L	98
23) Bromochloromethane	4.156	128	54259	49.524	ug/L	95
25) Chloroform	4.285	83	205429	48.820	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	155874	47.996	ug/L	98
29) Cyclohexane	4.590	56	144069	46.362	ug/L	98
30) 1,1,1-Trichloroethane	4.519	97	184102	48.076	ug/L	98
31) Carbon tetrachloride	4.744	117	167258	49.295	ug/L	99
33) Benzene	5.018	78	391406	49.221	ug/L	100
34) Trichloroethene	5.838	95	102257	48.123	ug/L	98
35) Methylcyclohexane	6.056	83	152204	48.613	ug/L	99
37) 1,2-Dichloropropane	6.098	63	112876	48.339	ug/L	100
38) Bromodichloromethane	6.436	83	148813	47.149	ug/L	98
39) cis-1,3-Dichloropropene	6.960	75	162009	46.739	ug/L	98
40) 4-Methyl-2-pentanone	7.162	43	255411	93.152	ug/L	99
42) Toluene	7.320	91	423610	51.378	ug/L	100
44) trans-1,3-Dichloropropene	7.587	75	163834	48.535	ug/L	98
45) 1,1,2-Trichloroethane	7.773	97	107773	48.858	ug/L	98
46) Tetrachloroethene	7.911	164	83841	50.272	ug/L	95
48) 2-Hexanone	8.082	43	198495	90.645	ug/L	99
49) Dibromochloromethane	8.182	129	121013	49.361	ug/L	99
50) 1,2-Dibromoethane	8.288	107	114166	48.607	ug/L	97
51) Chlorobenzene	8.818	112	262225	48.021	ug/L	99
52) Ethylbenzene	8.950	91	456320	49.600	ug/L	100
53) m,p-Xylene	9.079	106	174062	51.664	ug/L	100
54) o-Xylene	9.484	106	160142	50.088	ug/L	98
55) Styrene	9.500	104	303776	53.200	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.181	83	172634	47.898	ug/L	97
59) Bromoform	9.670	173	92868	50.573	ug/L #	99
60) Isopropylbenzene	9.873	105	459317	48.634	ug/L	100
61) 1,2,3-Trichloropropane	10.214	75	133558	45.645	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	375504	48.106	ug/L	98
63) 1,2,4-Trimethylbenzene	10.860	105	352031	48.402	ug/L	98
64) 1,3-Dichlorobenzene	11.124	146	231803	48.955	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	243675	48.294	ug/L	98
67) 1,2-Dichlorobenzene	11.583	146	228587	47.831	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	36895	42.484	ug/L	97
69) 1,3,5-Trichlorobenzene	12.587	180	169406	46.954	ug/L	99
70) 1,2,4-trichlorobenzene	13.204	180	144508	45.694	ug/L	98
71) Naphthalene	13.445	128	347712	43.407	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	151492	46.097	ug/L	97

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

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