

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032620\
 Data File : VX015355.D
 Acq On : 26 Mar 2020 12:42
 Operator : JC/SP
 Sample : VX0326WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0326WBS01

Manual Integrations
 APPROVED

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 3/27/2020 5:59:47 PM

Quant Time: Mar 27 08:03:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 26 02:31:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	209508	30.00	ug/l	-0.01
28) 1,4-Difluorobenzene	6.83	114	1151090	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	1032334	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	469231	28.66	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.53%
60) 4-Bromofluorobenzene	11.12	95	538655	30.49	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.63%
63) Toluene-d8	8.70	98	1335456	30.45	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	163977	16.390	ug/l 99
3) Chloromethane	1.31	50	201981	16.358	ug/l 99
4) Vinyl Chloride	1.39	62	202956	17.086	ug/l 99
5) Bromomethane	1.64	94	120845	19.110	ug/l 95
6) Chloroethane	1.72	64	129051	17.414	ug/l 98
7) Trichlorofluoromethane	1.92	101	301185	17.742	ug/l 99
8) Diethyl Ether	2.17	74	115708	17.716	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	199981	17.806	ug/l 96
10) 1,1-Dichloroethene	2.36	96	196895	17.260	ug/l 97
11) Methyl Iodide	2.49	142	254782	16.806	ug/l 99
12) Methyl Acetate	2.75	43	276830	16.584	ug/l 98
13) Acrolein	2.27	56	185325	85.342	ug/l 94
14) Acrylonitrile	3.11	53	598302	83.720	ug/l 99
15) Acetone	2.42	58	165523	91.087	ug/l 95
16) Carbon Disulfide	2.55	76	588445	17.645	ug/l 100
17) Allyl chloride	2.71	41	444365	17.253	ug/l 98
18) Methylene Chloride	2.83	84	222957	17.408	ug/l 99
19) trans-1,2-Dichloroethene	3.14	96	216180	17.518	ug/l 99
20) Diisopropyl ether	3.82	45	806804	17.466	ug/l 94
21) 1,1-Dichloroethane	3.67	63	410203	17.396	ug/l 100
22) cis-1,2-Dichloroethene	4.56	96	252073	17.731	ug/l 97
23) tert-Butyl Alcohol	3.03	59	301626	85.806	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	739031	17.448	ug/l 99
25) Chloroform	5.18	83	407062	17.464	ug/l 97
26) Cyclohexane	5.55	56	387229	17.187	ug/l 98
29) 1,1-Dichloropropene	5.77	75	307597	17.786	ug/l 99
30) 2-Butanone	4.64	43	905045	87.299	ug/l 100
31) 2,2-Dichloropropane	4.55	77	393400	18.903	ug/l 98
32) 1,1,1-Trichloroethane	5.46	97	378113	17.920	ug/l 99
33) Carbon Tetrachloride	5.76	117	346172	18.003	ug/l 99
34) Benzene	6.11	78	907730	18.212	ug/l 98
35) Methacrylonitrile	5.00	41	206485	17.564	ug/l 96
36) 1,2-Dichloroethane	6.16	62	350997	18.224	ug/l 99
37) Trichloroethene	7.19	130	261369	18.623	ug/l 97
38) Methylcyclohexane	7.44	83	391578	18.470	ug/l 99
39) 1,2-Dichloropropane	7.49	63	236399	17.658	ug/l 97
40) Dibromomethane	7.64	93	160110	17.967	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.87	83	344190	17.773	ug/l	99
42) Vinyl Acetate	3.78	43	3624598	92.273	ug/l	100
43) Ethyl Acetate	4.79	43	358099	15.880	ug/l	97
44) Isopropyl Acetate	6.41	43	625395	17.232	ug/l	99
45) 1,4-Dioxane	7.73	88	123294	368.776	ug/l	97
46) Methyl methacrylate	7.75	41	308605	17.040	ug/l	99
47) n-amyl Acetate	10.88	43	534308	17.075	ug/l	100
48) t-1,3-Dichloropropene	9.02	75	395962	17.711	ug/l	99
49) cis-1,3-Dichloropropene	8.42	75	417418	18.088	ug/l	97
50) 1,1,2-Trichloroethane	9.20	97	227572	17.795	ug/l	98
51) Ethyl methacrylate	9.16	69	376600	17.123	ug/l	99
52) 1,3-Dichloropropane	9.36	76	394082	17.841	ug/l	98
53) Dibromochloromethane	9.56	129	282208	17.902	ug/l	100
54) 1,2-Dibromoethane	9.65	107	244671	17.831	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	983016	94.631	ug/l	100
56) Bromoform	10.84	173	229533	17.708	ug/l #	97
58) 4-Methyl-2-Pentanone	8.62	43	1758860	89.022	ug/l	99
59) 2-Hexanone	9.47	43	1335715	88.865	ug/l	99
61) Tetrachloroethene	9.32	164	258124	19.453	ug/l	99
62) Toluene	8.76	91	969465	18.541	ug/l	99
64) Chlorobenzene	10.12	112	615145	18.298	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.20	131	254044	18.492	ug/l	97
66) Ethyl Benzene	10.23	91	1120296	18.755	ug/l	97
67) m/p-Xylenes	10.34	106	837240	37.032	ug/l	99
68) o-Xylene	10.68	106	408699	18.494	ug/l	99
69) Styrene	10.70	104	703938	18.283	ug/l	100
70) Isopropylbenzene	11.00	105	1113683	19.010	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.25	83	339754	17.893	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	316252m	17.800	ug/l	
73) Bromobenzene	11.24	156	297181	18.897	ug/l	94
74) n-propylbenzene	11.34	91	1265044	18.826	ug/l	100
75) 2-Chlorotoluene	11.40	91	754653	18.465	ug/l	98
76) 1,3,5-Trimethylbenzene	11.49	105	950208	18.887	ug/l	99
77) t-1,4-Dichloro-2-butene	11.06	75	132739	17.337	ug/l	99
78) 4-Chlorotoluene	11.49	91	881849	18.651	ug/l	98
79) tert-butylbenzene	11.76	119	941928	18.733	ug/l	99
80) 1,2,4-Trimethylbenzene	11.79	105	946059	18.563	ug/l	99
81) sec-Butylbenzene	11.93	105	1079773	18.720	ug/l	100
82) p-Isopropyltoluene	12.05	119	1024918	18.853	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	514151	18.182	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	517110	18.324	ug/l	99
85) n-Butylbenzene	12.37	91	915774	18.899	ug/l	100
86) Hexachloroethane	12.58	117	195097	18.568	ug/l	94
87) 1,2-Dichlorobenzene	12.38	146	505184	18.312	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	12.98	75	82220	16.439	ug/l	93
89) 1,2,4-Trichlorobenzene	13.63	180	400040	18.000	ug/l	98
90) Hexachlorobutadiene	13.77	225	217319	18.563	ug/l	98
91) Naphthalene	13.82	128	1133760	17.618	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	392136	17.762	ug/l	100

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

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