

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032620\
 Data File : VX015356.D
 Acq On : 26 Mar 2020 13:16
 Operator : JC/SP
 Sample : VX0326WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0326WBSD01

Manual Integrations
 APPROVED

apatel
 3/27/2020 5:59:50 PM

Quant Time: Mar 27 08:07:55 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	193956	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	1087894	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	989722	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	463639	30.59	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.97%
60) 4-Bromofluorobenzene	11.12	95	516491	30.49	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.63%
63) Toluene-d8	8.70	98	1256425	29.88	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	155450	16.783	ug/l 99
3) Chloromethane	1.31	50	190886	16.699	ug/l 99
4) Vinyl Chloride	1.39	62	192062	17.465	ug/l 98
5) Bromomethane	1.64	94	115841	19.788	ug/l 96
6) Chloroethane	1.72	64	116545	16.987	ug/l 94
7) Trichlorofluoromethane	1.92	101	275922	17.557	ug/l 96
8) Diethyl Ether	2.17	74	114110	18.872	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	190045	18.278	ug/l 99
10) 1,1-Dichloroethene	2.36	96	188010	17.802	ug/l 98
11) Methyl Iodide	2.49	142	246823	17.587	ug/l 97
12) Methyl Acetate	2.75	43	285258	18.459	ug/l 97
13) Acrolein	2.28	56	183557	91.306	ug/l 97
14) Acrylonitrile	3.12	53	607677	91.850	ug/l 99
15) Acetone	2.42	58	162351	96.505	ug/l 95
16) Carbon Disulfide	2.55	76	550278	17.824	ug/l 98
17) Allyl chloride	2.71	41	426668	17.894	ug/l 97
18) Methylene Chloride	2.83	84	218236	18.405	ug/l 98
19) trans-1,2-Dichloroethene	3.14	96	206304	18.058	ug/l 98
20) Diisopropyl ether	3.82	45	792839	18.539	ug/l 94
21) 1,1-Dichloroethane	3.67	63	393037	18.005	ug/l 99
22) cis-1,2-Dichloroethene	4.56	96	236387	17.961	ug/l 99
23) tert-Butyl Alcohol	3.04	59	314594	96.672	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	735673	18.762	ug/l 100
25) Chloroform	5.17	83	392108	18.172	ug/l 99
26) Cyclohexane	5.55	56	366889	17.590	ug/l # 99
29) 1,1-Dichloropropene	5.77	75	295753	18.095	ug/l 99
30) 2-Butanone	4.64	43	918141	93.707	ug/l 98
31) 2,2-Dichloropropane	4.55	77	364610	18.538	ug/l 100
32) 1,1,1-Trichloroethane	5.47	97	360112	18.058	ug/l 99
33) Carbon Tetrachloride	5.75	117	328607	18.082	ug/l 99
34) Benzene	6.11	78	860745	18.272	ug/l 98
35) Methacrylonitrile	5.00	41	205976	18.538	ug/l 96
36) 1,2-Dichloroethane	6.16	62	341842	18.780	ug/l # 92
37) Trichloroethene	7.19	130	242337	18.270	ug/l 98
38) Methylcyclohexane	7.44	83	365704	18.252	ug/l 97
39) 1,2-Dichloropropane	7.49	63	233059	18.420	ug/l 99
40) Dibromomethane	7.64	93	150577	17.879	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	7.87	83	335930	18.354	ug/l	99
42) Vinyl Acetate	3.78	43	3627469	97.710	ug/l	100
43) Ethyl Acetate	4.79	43	363082	17.036	ug/l	99
44) Isopropyl Acetate	6.41	43	629494	18.353	ug/l	99
45) 1,4-Dioxane	7.74	88	119696	378.812	ug/l	99
46) Methyl methacrylate	7.75	41	314483	18.373	ug/l	99
47) n-amyl Acetate	10.88	43	532665	18.011	ug/l	100
48) t-1,3-Dichloropropene	9.02	75	387219	18.326	ug/l	97
49) cis-1,3-Dichloropropene	8.42	75	405155	18.577	ug/l	97
50) 1,1,2-Trichloroethane	9.20	97	223705	18.509	ug/l	98
51) Ethyl methacrylate	9.16	69	376130	18.095	ug/l	100
52) 1,3-Dichloropropane	9.36	76	388304	18.601	ug/l	99
53) Dibromochloromethane	9.56	129	276925	18.587	ug/l	98
54) 1,2-Dibromoethane	9.65	107	239416	18.461	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	978424	99.661	ug/l	100
56) Bromoform	10.84	173	226392	18.480	ug/l #	95
58) 4-Methyl-2-Pentanone	8.62	43	1799370	94.994	ug/l	100
59) 2-Hexanone	9.47	43	1350809	93.739	ug/l	100
61) Tetrachloroethene	9.32	164	237520	18.671	ug/l	100
62) Toluene	8.76	91	930256	18.557	ug/l	100
64) Chlorobenzene	10.12	112	589603	18.293	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.20	131	242458	18.409	ug/l	98
66) Ethyl Benzene	10.24	91	1047109	18.284	ug/l	99
67) m/p-Xylenes	10.34	106	816581	37.673	ug/l	97
68) o-Xylene	10.68	106	386750	18.254	ug/l	99
69) Styrene	10.70	104	673048	18.234	ug/l	100
70) Isopropylbenzene	11.00	105	1046628	18.634	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.25	83	336914	18.508	ug/l	100
72) 1,2,3-Trichloropropane	11.28	75	322331m	18.923	ug/l	
73) Bromobenzene	11.24	156	275105	18.247	ug/l	98
74) n-propylbenzene	11.34	91	1215614	18.869	ug/l	99
75) 2-Chlorotoluene	11.40	91	713821	18.218	ug/l	98
76) 1,3,5-Trimethylbenzene	11.49	105	902422	18.710	ug/l	100
77) t-1,4-Dichloro-2-butene	11.06	75	132684	18.076	ug/l	95
78) 4-Chlorotoluene	11.49	91	848166	18.711	ug/l	100
79) tert-butylbenzene	11.76	119	887519	18.410	ug/l	99
80) 1,2,4-Trimethylbenzene	11.79	105	910256	18.629	ug/l	100
81) sec-Butylbenzene	11.93	105	1036074	18.736	ug/l	100
82) p-Isopropyltoluene	12.05	119	971542	18.640	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	494964	18.257	ug/l	98
84) 1,4-Dichlorobenzene	12.09	146	495947	18.331	ug/l	98
85) n-Butylbenzene	12.37	91	881254	18.970	ug/l	100
86) Hexachloroethane	12.58	117	184099	18.276	ug/l	99
87) 1,2-Dichlorobenzene	12.38	146	482782	18.253	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	12.98	75	87264	18.199	ug/l	99
89) 1,2,4-Trichlorobenzene	13.63	180	387102	18.168	ug/l	98
90) Hexachlorobutadiene	13.77	225	212661	18.947	ug/l	99
91) Naphthalene	13.82	128	1136329	18.418	ug/l	100
92) 1,2,3-Trichlorobenzene	14.00	180	374767	17.706	ug/l	97

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

