

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022120\
 Data File : VX014992.D
 Acq On : 21 Feb 2020 13:39
 Operator : JC/SP
 Sample : VX0221WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0221WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 11:29:15 AM

Quant Time: Feb 21 14:03:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Feb 21 11:08:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.00	128	77685	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	408822	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	375093	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	152847	28.30	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.33%
60) 4-Bromofluorobenzene	11.13	95	173834	29.76	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.20%
63) Toluene-d8	8.71	98	493141	30.15	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	64664	18.640	ug/l 98
3) Chloromethane	1.32	50	88343	19.695	ug/l 96
4) Vinyl Chloride	1.40	62	93566	19.381	ug/l 100
5) Bromomethane	1.64	94	65356	19.332	ug/l 95
6) Chloroethane	1.72	64	62135	19.214	ug/l 99
7) Trichlorofluoromethane	1.93	101	137337	19.547	ug/l 97
8) Diethyl Ether	2.18	74	58042	19.638	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	2.37	101	80466	19.809	ug/l 98
10) 1,1-Dichloroethene	2.37	96	79946	19.576	ug/l 96
11) Methyl Iodide	2.50	142	80210	16.165	ug/l 98
12) Methyl Acetate	2.76	43	100088	19.695	ug/l 100
13) Acrolein	2.28	56	89422	88.478	ug/l 100
14) Acrylonitrile	3.12	53	225915	98.438	ug/l 100
15) Acetone	2.42	58	65133	79.303	ug/l 100
16) Carbon Disulfide	2.56	76	208709	19.008	ug/l 100
17) Allyl chloride	2.72	41	135691	19.101	ug/l 98
18) Methylene Chloride	2.85	84	91280	19.400	ug/l 97
19) trans-1,2-Dichloroethene	3.15	96	86468	19.277	ug/l 99
20) Diisopropyl ether	3.84	45	279203	19.245	ug/l 98
21) 1,1-Dichloroethane	3.69	63	154683	19.450	ug/l 99
22) cis-1,2-Dichloroethene	4.58	96	99360	19.357	ug/l 98
23) tert-Butyl Alcohol	3.01	59	90608	99.598	ug/l # 100
24) Methyl tert-Butyl Ether	3.18	73	267742	19.706	ug/l 99
25) Chloroform	5.20	83	155135	19.344	ug/l 95
26) Cyclohexane	5.57	56	139414	19.614	ug/l # 98
29) 1,1-Dichloropropene	5.79	75	118628	20.515	ug/l 99
30) 2-Butanone	4.65	43	317218	95.041	ug/l 100
31) 2,2-Dichloropropane	4.57	77	125794	19.811	ug/l 98
32) 1,1,1-Trichloroethane	5.48	97	132257	20.140	ug/l 98
33) Carbon Tetrachloride	5.78	117	114577	19.932	ug/l 97
34) Benzene	6.13	78	354113	20.295	ug/l 97
35) Methacrylonitrile	5.03	41	67094	19.706	ug/l 94
36) 1,2-Dichloroethane	6.18	62	125436	20.310	ug/l 98
37) Trichloroethene	7.20	130	100775	20.570	ug/l 90
38) Methylcyclohexane	7.45	83	143619	20.037	ug/l 99
39) 1,2-Dichloropropane	7.50	63	90116	20.065	ug/l 97
40) Dibromomethane	7.65	93	61394	20.471	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.89	83	119854	20.231	ug/l	99
42) Vinyl Acetate	3.80	43	1197951	101.970	ug/l	99
43) Ethyl Acetate	4.81	43	123144	20.391	ug/l	100
44) Isopropyl Acetate	6.43	43	202518	19.948	ug/l	98
45) 1,4-Dioxane	7.73	88	39881	425.130	ug/l	99
46) Methyl methacrylate	7.76	41	98074	19.527	ug/l	97
47) n-amyl Acetate	10.89	43	172303	19.591	ug/l	99
48) t-1,3-Dichloropropene	9.03	75	128814	19.598	ug/l	99
49) cis-1,3-Dichloropropene	8.43	75	146190	20.203	ug/l	98
50) 1,1,2-Trichloroethane	9.21	97	91123	20.394	ug/l	99
51) Ethyl methacrylate	9.17	69	137348	19.916	ug/l	99
52) 1,3-Dichloropropane	9.36	76	153000	20.242	ug/l	100
53) Dibromochloromethane	9.57	129	95691	19.809	ug/l	97
54) 1,2-Dibromoethane	9.67	107	95965	20.229	ug/l	99
55) 2-Chloroethyl vinyl ether	8.30	63	339985	92.550	ug/l	99
56) Bromoform	10.85	173	73595	19.434	ug/l	99
58) 4-Methyl-2-Pentanone	8.63	43	627747	102.117	ug/l	100
59) 2-Hexanone	9.48	43	472156	98.302	ug/l	99
61) Tetrachloroethene	9.33	164	102494	20.344	ug/l	97
62) Toluene	8.78	91	386760	20.131	ug/l	100
64) Chlorobenzene	10.13	112	244471	19.935	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.21	131	93580	20.601	ug/l	98
66) Ethyl Benzene	10.25	91	427656	20.207	ug/l	100
67) m/p-Xylenes	10.35	106	329435	40.367	ug/l	100
68) o-Xylene	10.70	106	157859	19.991	ug/l	97
69) Styrene	10.71	104	269243	19.964	ug/l	100
70) Isopropylbenzene	11.01	105	428002	20.405	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	136746	20.248	ug/l	98
72) 1,2,3-Trichloropropane	11.29	75	131987m	20.971	ug/l	
73) Bromobenzene	11.25	156	115225	20.330	ug/l	99
74) n-propylbenzene	11.35	91	481429	20.166	ug/l	100
75) 2-Chlorotoluene	11.42	91	286853	20.333	ug/l	98
76) 1,3,5-Trimethylbenzene	11.50	105	356999	20.309	ug/l	100
77) t-1,4-Dichloro-2-butene	11.07	75	42804	18.949	ug/l	98
78) 4-Chlorotoluene	11.51	91	328126	20.107	ug/l	100
79) tert-butylbenzene	11.76	119	341700	20.120	ug/l	99
80) 1,2,4-Trimethylbenzene	11.80	105	354577	20.289	ug/l	98
81) sec-Butylbenzene	11.94	105	409717	20.145	ug/l	98
82) p-Isopropyltoluene	12.06	119	379954	20.109	ug/l	100
83) 1,3-Dichlorobenzene	12.02	146	198954	20.025	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	202774	20.268	ug/l	100
85) n-Butylbenzene	12.38	91	328534	19.981	ug/l	100
86) Hexachloroethane	12.59	117	65321	19.126	ug/l	100
87) 1,2-Dichlorobenzene	12.39	146	198240	20.052	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.99	75	28638	19.471	ug/l	96
89) 1,2,4-Trichlorobenzene	13.64	180	140092	19.705	ug/l	99
90) Hexachlorobutadiene	13.78	225	70130	19.862	ug/l	97
91) Naphthalene	13.83	128	388428	19.298	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	138471	19.617	ug/l	99

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

