

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090420\
 Data File : VX018256.D
 Acq On : 04 Sep 2020 13:39
 Operator : JC/SP
 Sample : VX0904WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0904WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/8/2020 5:17:22 PM

Quant Time: Sep 05 06:49:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X090420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 04 12:13:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	84666	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	428805	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	404380	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	195583	29.28	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.60%
60) 4-Bromofluorobenzene	11.12	95	209477	29.89	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.63%
63) Toluene-d8	8.70	98	546733	30.67	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.23%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	93403	20.848	ug/l 100
3) Chloromethane	1.31	50	101715	21.374	ug/l 98
4) Vinyl Chloride	1.39	62	104153	20.785	ug/l 96
5) Bromomethane	1.64	94	75106	22.030	ug/l 99
6) Chloroethane	1.72	64	63097	20.717	ug/l 100
7) Trichlorofluoromethane	1.92	101	177031	20.847	ug/l 99
8) Diethyl Ether	2.17	74	53876	20.124	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	92201	21.250	ug/l 98
10) 1,1-Dichloroethene	2.36	96	86297	20.262	ug/l 98
11) Methyl Iodide	2.49	142	88186	21.227	ug/l 99
12) Methyl Acetate	2.75	43	112114	19.998	ug/l 99
13) Acrolein	2.27	56	40062	88.543	ug/l 96
14) Acrylonitrile	3.11	53	257192	101.243	ug/l 98
15) Acetone	2.42	58	66294	95.983	ug/l 82
16) Carbon Disulfide	2.55	76	250890	20.231	ug/l 98
17) Allyl chloride	2.71	41	157122	20.640	ug/l 97
18) Methylene Chloride	2.83	84	103073	20.620	ug/l 97
19) trans-1,2-Dichloroethene	3.14	96	95808	20.261	ug/l 98
20) Diisopropyl ether	3.82	45	310825	20.625	ug/l 98
21) 1,1-Dichloroethane	3.67	63	176920	20.453	ug/l 99
22) cis-1,2-Dichloroethene	4.56	96	107180	20.485	ug/l 96
23) tert-Butyl Alcohol	3.01	59	107347	97.513	ug/l 100
24) Methyl tert-Butyl Ether	3.17	73	304091	20.083	ug/l 98
25) Chloroform	5.18	83	188364	20.404	ug/l 99
26) Cyclohexane	5.55	56	142195	20.366	ug/l # 51
29) 1,1-Dichloropropene	5.77	75	134855	20.603	ug/l 99
30) 2-Butanone	4.63	43	354892	99.021	ug/l 99
31) 2,2-Dichloropropane	4.55	77	162436	20.545	ug/l 99
32) 1,1,1-Trichloroethane	5.46	97	181193	21.149	ug/l 99
33) Carbon Tetrachloride	5.75	117	160578	20.114	ug/l 99
34) Benzene	6.11	78	382908	20.493	ug/l 97
35) Methacrylonitrile	5.00	41	73810	19.542	ug/l 91
36) 1,2-Dichloroethane	6.17	62	156129	20.191	ug/l # 100
37) Trichloroethene	7.18	130	110640	20.478	ug/l 98
38) Methylcyclohexane	7.44	83	144927	20.786	ug/l 96
39) 1,2-Dichloropropane	7.49	63	99996	19.982	ug/l 94
40) Dibromomethane	7.63	93	73110	20.231	ug/l 98

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

41) Bromodichloromethane	7.87	83	151281	20.198	ug/l	94
42) Vinyl Acetate	3.78	43	1382830	103.416	ug/l	100
43) Ethyl Acetate	4.79	43	141181	19.810	ug/l	98
44) Isopropyl Acetate	6.41	43	231086	20.121	ug/l	98
45) 1,4-Dioxane	7.71	88	39294	409.530	ug/l #	91
46) Methyl methacrylate	7.74	41	112974	19.987	ug/l	97
47) n-amyl Acetate	10.88	43	192397	19.064	ug/l	97
48) t-1,3-Dichloropropene	9.02	75	164093	20.395	ug/l	99
49) cis-1,3-Dichloropropene	8.42	75	174272	20.619	ug/l	99
50) 1,1,2-Trichloroethane	9.20	97	101401	20.137	ug/l	97
51) Ethyl methacrylate	9.16	69	143137	19.622	ug/l	96
52) 1,3-Dichloropropane	9.35	76	167073	19.989	ug/l	98
53) Dibromochloromethane	9.57	129	123105	19.661	ug/l	99
54) 1,2-Dibromoethane	9.65	107	108922	19.717	ug/l	97
55) 2-Chloroethyl vinyl ether	8.29	63	388168	101.901	ug/l	99
56) Bromoform	10.84	173	91316	19.195	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	711963	102.363	ug/l	99
59) 2-Hexanone	9.47	43	532180	101.018	ug/l	99
61) Tetrachloroethene	9.32	164	106223	21.062	ug/l	93
62) Toluene	8.76	91	428510	21.056	ug/l	98
64) Chlorobenzene	10.12	112	269112	20.577	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.20	131	107168	20.234	ug/l	98
66) Ethyl Benzene	10.23	91	454202	20.198	ug/l	93
67) m/p-Xylenes	10.34	106	351846	40.914	ug/l	99
68) o-Xylene	10.68	106	163212	20.086	ug/l	97
69) Styrene	10.70	104	288695	20.364	ug/l	99
70) Isopropylbenzene	11.00	105	460573	20.382	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.25	83	149827	20.290	ug/l	96
72) 1,2,3-Trichloropropane	11.28	75	145876m	20.561	ug/l	
73) Bromobenzene	11.24	156	120901	19.530	ug/l	98
74) n-propylbenzene	11.34	91	536190	20.152	ug/l	99
75) 2-Chlorotoluene	11.40	91	322376	19.990	ug/l	98
76) 1,3,5-Trimethylbenzene	11.49	105	396809	20.157	ug/l	98
77) t-1,4-Dichloro-2-butene	11.05	75	53178	19.288	ug/l	93
78) 4-Chlorotoluene	11.49	91	396883	20.631	ug/l	99
79) tert-butylbenzene	11.76	119	379499	20.012	ug/l	97
80) 1,2,4-Trimethylbenzene	11.79	105	400984	20.595	ug/l	99
81) sec-Butylbenzene	11.93	105	451286	20.374	ug/l	100
82) p-Isopropyltoluene	12.05	119	415733	20.130	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	220008	19.876	ug/l	98
84) 1,4-Dichlorobenzene	12.08	146	216933	19.601	ug/l	98
85) n-Butylbenzene	12.37	91	363136	19.972	ug/l	99
86) Hexachloroethane	12.58	117	82092	20.189	ug/l	97
87) 1,2-Dichlorobenzene	12.38	146	214743	20.719	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	37034	19.604	ug/l	98
89) 1,2,4-Trichlorobenzene	13.63	180	135841	19.372	ug/l	99
90) Hexachlorobutadiene	13.76	225	59971	20.219	ug/l	91
91) Naphthalene	13.82	128	417827	19.092	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	138466	19.960	ug/l	98

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

