

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072720\
 Data File : VX017610.D
 Acq On : 27 Jul 2020 10:31
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 7/28/2020 10:31:33 AM

Quant Time: Jul 27 11:41:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X072720W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jul 27 11:26:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	100987	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	495890	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	502118	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	224763	30.82	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.73%
60) 4-Bromofluorobenzene	11.12	95	266075	30.65	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.17%
63) Toluene-d8	8.70	98	639983	29.14	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.13%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	839648	161.489	ug/l 98
3) Chloromethane	1.31	50	801201	149.063	ug/l 98
4) Vinyl Chloride	1.39	62	805483	145.540	ug/l 98
5) Bromomethane	1.62	94	433737	120.477	ug/l 95
6) Chloroethane	1.70	64	443343	127.332	ug/l 100
7) Trichlorofluoromethane	1.91	101	1210160	129.828	ug/l 99
8) Diethyl Ether	2.17	74	335352	107.296	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	2.36	101	526808	108.655	ug/l 99
10) 1,1-Dichloroethene	2.36	96	483765	101.957	ug/l 96
11) Methyl Iodide	2.49	142	711884	124.585	ug/l 97
12) Methyl Acetate	2.75	43	735506	109.315	ug/l 100
13) Acrolein	2.27	56	567464	648.861	ug/l 99
14) Acrylonitrile	3.12	53	1577467	529.218	ug/l 99
15) Acetone	2.42	58	417445	541.810	ug/l 97
16) Carbon Disulfide	2.55	76	1324148	103.876	ug/l 100
17) Allyl chloride	2.70	41	919235	103.479	ug/l 97
18) Methylene Chloride	2.84	84	544056	93.637	ug/l 98
19) trans-1,2-Dichloroethene	3.14	96	520136	95.996	ug/l 98
20) Diisopropyl ether	3.82	45	1854410	104.992	ug/l # 88
21) 1,1-Dichloroethane	3.67	63	984657	100.523	ug/l 97
22) cis-1,2-Dichloroethene	4.56	96	632214	101.111	ug/l 99
23) tert-Butyl Alcohol	3.02	59	728103	571.251	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	1978106	108.136	ug/l 99
25) Chloroform	5.18	83	1078271	101.702	ug/l 97
26) Cyclohexane	5.55	56	929489	118.605	ug/l # 99
29) 1,1-Dichloropropene	5.77	75	739842	105.072	ug/l 97
30) 2-Butanone	4.64	43	2162364	559.000	ug/l 99
31) 2,2-Dichloropropane	4.55	77	991119	111.049	ug/l 100
32) 1,1,1-Trichloroethane	5.46	97	1037348	112.519	ug/l 98
33) Carbon Tetrachloride	5.76	117	933352	109.067	ug/l 99
34) Benzene	6.11	78	2163273	105.304	ug/l 99
35) Methacrylonitrile	5.01	41	478988	109.916	ug/l 96
36) 1,2-Dichloroethane	6.17	62	886588	107.638	ug/l 99
37) Trichloroethene	7.19	130	627120	98.981	ug/l 99
38) Methylcyclohexane	7.44	83	1028012	135.999	ug/l 99
39) 1,2-Dichloropropane	7.49	63	575224	105.087	ug/l 100
40) Dibromomethane	7.64	93	391153	99.083	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	966800	116.309	ug/l	92
42) Vinyl Acetate	3.79	43	6943097	484.868	ug/l	100
43) Ethyl Acetate	4.79	43	776720	104.326	ug/l	99
44) Isopropyl Acetate	6.41	43	1449652	115.873	ug/l	100
45) 1,4-Dioxane	7.71	88	279627	2278.380	ug/l	99
46) Methyl methacrylate	7.74	41	681892	112.099	ug/l	98
47) n-amyl Acetate	10.88	43	1294957	117.150	ug/l	98
48) t-1,3-Dichloropropene	9.02	75	1053769	114.093	ug/l	99
49) cis-1,3-Dichloropropene	8.42	75	1120067	115.777	ug/l	97
50) 1,1,2-Trichloroethane	9.20	97	600626	103.586	ug/l	98
51) Ethyl methacrylate	9.16	69	911587	106.430	ug/l	98
52) 1,3-Dichloropropane	9.35	76	973942	103.838	ug/l	99
53) Dibromochloromethane	9.57	129	795174	113.160	ug/l	98
54) 1,2-Dibromoethane	9.65	107	628512	101.785	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	2676673	665.006	ug/l	100
56) Bromoform	10.84	173	585308	105.596	ug/l	97
58) 4-Methyl-2-Pentanone	8.62	43	4475804	524.122	ug/l	99
59) 2-Hexanone	9.48	43	3101821	497.029	ug/l	99
61) Tetrachloroethene	9.32	164	636182	95.364	ug/l	96
62) Toluene	8.76	91	2461841	98.151	ug/l	98
64) Chlorobenzene	10.12	112	1664972	102.482	ug/l	96
65) 1,1,1,2-Tetrachloroethane	10.21	131	694943	103.258	ug/l	98
66) Ethyl Benzene	10.23	91	2771648	100.496	ug/l	97
67) m/p-Xylenes	10.34	106	2128536	201.150	ug/l	100
68) o-Xylene	10.68	106	1064528	104.554	ug/l	96
69) Styrene	10.70	104	1903080	105.765	ug/l	100
70) Isopropylbenzene	11.00	105	3289415	115.043	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.25	83	863593	99.317	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	861754m	100.495	ug/l	
73) Bromobenzene	11.24	156	809164	101.845	ug/l	98
74) n-propylbenzene	11.34	91	3480329	106.684	ug/l	100
75) 2-Chlorotoluene	11.40	91	2183708	110.578	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	2505744	104.498	ug/l	100
77) t-1,4-Dichloro-2-butene	11.06	75	359661	106.556	ug/l	96
78) 4-Chlorotoluene	11.49	91	2359169	101.022	ug/l	100
79) tert-butylbenzene	11.76	119	2497194	107.165	ug/l	99
80) 1,2,4-Trimethylbenzene	11.79	105	2655760	110.077	ug/l	99
81) sec-Butylbenzene	11.93	105	3188008	118.420	ug/l	99
82) p-Isopropyltoluene	12.05	119	2872595	112.122	ug/l	100
83) 1,3-Dichlorobenzene	12.01	146	1473048	104.892	ug/l	98
84) 1,4-Dichlorobenzene	12.08	146	1427027	100.243	ug/l	99
85) n-Butylbenzene	12.37	91	2840415	127.422	ug/l	99
86) Hexachloroethane	12.58	117	612537	122.113	ug/l	91
87) 1,2-Dichlorobenzene	12.38	146	1518950	111.291	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	259047	120.470	ug/l	99
89) 1,2,4-Trichlorobenzene	13.63	180	1034241	106.638	ug/l	99
90) Hexachlorobutadiene	13.77	225	459881	116.191	ug/l	99
91) Naphthalene	13.82	128	3130698	105.982	ug/l	99
92) 1,2,3-Trichlorobenzene	14.00	180	1006719	105.567	ug/l	100

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

