

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100218\
 Data File : VX004913.D
 Acq On : 02 Oct 2018 11:25
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 10/3/2018 4:23:25 PM

Quant Time: Oct 03 04:39:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X100218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 03 04:23:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	44788	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	268666	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	249075	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	105383	30.96	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.20%
60) 4-Bromofluorobenzene	11.14	95	125645	30.35	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.17%
63) Toluene-d8	8.72	98	328962	29.59	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	383863	110.082	ug/l 99
3) Chloromethane	1.32	50	373218	103.157	ug/l 100
4) Vinyl Chloride	1.40	62	396943	107.322	ug/l 100
5) Bromomethane	1.64	94	189094	106.542	ug/l 98
6) Chloroethane	1.70	64	222671	104.863	ug/l 98
7) Trichlorofluoromethane	1.92	101	497135	105.516	ug/l 99
8) Diethyl Ether	2.19	74	200479	104.381	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	277239	102.463	ug/l 99
10) 1,1-Dichloroethene	2.37	96	266960	104.166	ug/l 96
11) Methyl Iodide	2.50	142	271288	130.012	ug/l 98
12) Methyl Acetate	2.78	43	545232	105.504	ug/l 99
13) Acrolein	2.29	56	248670	520.802	ug/l 98
14) Acrylonitrile	3.15	53	1100577	521.138	ug/l 99
15) Acetone	2.45	58	334919	474.426	ug/l 99
16) Carbon Disulfide	2.56	76	800521	106.499	ug/l 99
17) Allyl chloride	2.72	41	608758	106.819	ug/l 95
18) Methylene Chloride	2.85	84	304953	102.319	ug/l 98
19) trans-1,2-Dichloroethene	3.16	96	284560	103.928	ug/l 99
20) Diisopropyl ether	3.87	45	1017760	104.743	ug/l 94
21) 1,1-Dichloroethane	3.69	63	544457	101.697	ug/l 99
22) cis-1,2-Dichloroethene	4.60	96	317626	104.852	ug/l 98
23) tert-Butyl Alcohol	3.09	59	490923	503.503	ug/l # 100
24) Methyl tert-Butyl Ether	3.21	73	976902	103.726	ug/l 100
25) Chloroform	5.21	83	527256	104.642	ug/l 95
26) Cyclohexane	5.57	56	492537	107.200	ug/l # 100
29) 1,1-Dichloropropene	5.79	75	398614	100.264	ug/l 99
30) 2-Butanone	4.71	43	1547331	478.707	ug/l 100
31) 2,2-Dichloropropane	4.58	77	435450	99.829	ug/l 99
32) 1,1,1-Trichloroethane	5.49	97	455144	99.592	ug/l 99
33) Carbon Tetrachloride	5.78	117	401276	99.977	ug/l 99
34) Benzene	6.14	78	1194538	99.013	ug/l 99
35) Methacrylonitrile	5.06	41	297273	98.964	ug/l 98
36) 1,2-Dichloroethane	6.20	62	422023	97.101	ug/l 99
37) Trichloroethene	7.21	130	316519	99.601	ug/l 98
38) Methylcyclohexane	7.46	83	489358	103.676	ug/l 97
39) 1,2-Dichloropropane	7.52	63	321481	100.010	ug/l 97
40) Dibromomethane	7.66	93	205900	98.827	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.90	83	405257	100.898	ug/l	98
42) Vinyl Acetate	3.82	43	4579823	489.744	ug/l	99
43) Ethyl Acetate	4.86	43	528241	99.071	ug/l	100
44) Isopropyl Acetate	6.46	43	816102	102.565	ug/l	100
45) 1,4-Dioxane	7.76	88	188981	2015.917	ug/l	96
46) Methyl methacrylate	7.78	41	426484	103.309	ug/l	100
47) n-amyl Acetate	10.90	43	771343	105.071	ug/l	98
48) t-1,3-Dichloropropene	9.04	75	483012	99.237	ug/l	98
49) cis-1,3-Dichloropropene	8.44	75	510914	108.530	ug/l	98
50) 1,1,2-Trichloroethane	9.22	97	311734	98.827	ug/l	99
51) Ethyl methacrylate	9.18	69	525981	105.070	ug/l	99
52) 1,3-Dichloropropane	9.37	76	525592	98.767	ug/l	100
53) Dibromochloromethane	9.59	129	337068	102.998	ug/l	100
54) 1,2-Dibromoethane	9.68	107	327293	99.564	ug/l	99
55) 2-Chloroethyl vinyl ether	8.32	63	1351115	511.495	ug/l	99
56) Bromoform	10.86	173	288667	105.623	ug/l	99
58) 4-Methyl-2-Pentanone	8.65	43	2861211	511.619	ug/l	100
59) 2-Hexanone	9.50	43	2338413	507.516	ug/l	100
61) Tetrachloroethene	9.34	164	300596	99.169	ug/l	96
62) Toluene	8.79	91	1309095	100.007	ug/l	99
64) Chlorobenzene	10.14	112	847948	100.306	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.23	131	312903	101.822	ug/l	100
66) Ethyl Benzene	10.26	91	1463156	102.385	ug/l	98
67) m/p-Xylenes	10.36	106	1145361	205.840	ug/l	98
68) o-Xylene	10.70	106	552454	102.999	ug/l	99
69) Styrene	10.71	104	943992	104.665	ug/l	99
70) Isopropylbenzene	11.02	105	1473080	102.564	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.27	83	537433	100.744	ug/l	100
72) 1,2,3-Trichloropropane	11.30	75	487770m	100.364	ug/l	
73) Bromobenzene	11.26	156	400523	101.448	ug/l	100
74) n-propylbenzene	11.36	91	1735740	102.712	ug/l	99
75) 2-Chlorotoluene	11.42	91	1044040	101.299	ug/l	100
76) 1,3,5-Trimethylbenzene	11.51	105	1274858	102.874	ug/l	100
77) t-1,4-Dichloro-2-butene	11.08	75	180426	112.915	ug/l	92
78) 4-Chlorotoluene	11.51	91	1215598	101.471	ug/l	100
79) tert-butylbenzene	12.07	119	1358448	103.290	ug/l	100
80) 1,2,4-Trimethylbenzene	11.81	105	1296137	102.558	ug/l	100
81) sec-Butylbenzene	11.95	105	1504356	102.838	ug/l	100
82) p-Isopropyltoluene	12.07	119	1358448	103.290	ug/l	100
83) 1,3-Dichlorobenzene	12.03	146	743067	101.780	ug/l	99
84) 1,4-Dichlorobenzene	12.10	146	746516	100.761	ug/l	99
85) n-Butylbenzene	12.39	91	1259707	105.456	ug/l	99
86) Hexachloroethane	12.60	117	227574	105.049	ug/l	99
87) 1,2-Dichlorobenzene	12.40	146	750691	101.152	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	13.00	75	127494	103.423	ug/l	96
89) 1,2,4-Trichlorobenzene	13.65	180	577756	104.360	ug/l	100
90) Hexachlorobutadiene	13.79	225	275171	100.680	ug/l	99
91) Naphthalene	13.83	128	1827353	106.154	ug/l	99
92) 1,2,3-Trichlorobenzene	14.02	180	581208	102.382	ug/l	100

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

