

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070920\
 Data File : VX017301.D
 Acq On : 09 Jul 2020 11:37
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 7/10/2020 12:36:37 PM

Quant Time: Jul 09 12:11:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X070920W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 09 11:39:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	53864	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	280193	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	270377	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	113564	27.53	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	91.77%
60) 4-Bromofluorobenzene	11.12	95	142608	31.36	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	104.53%
63) Toluene-d8	8.70	98	335842	28.26	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	94.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	235546	89.998	ug/l 97
3) Chloromethane	1.31	50	253921	76.444	ug/l 96
4) Vinyl Chloride	1.39	62	264639	77.986	ug/l 100
5) Bromomethane	1.62	94	148657	61.454	ug/l 99
6) Chloroethane	1.70	64	168663	76.390	ug/l 99
7) Trichlorofluoromethane	1.91	101	462929	81.714	ug/l 96
8) Diethyl Ether	2.17	74	157326	77.180	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.36	101	256455	85.137	ug/l 99
10) 1,1-Dichloroethene	2.35	96	249103	84.611	ug/l 95
11) Methyl Iodide	2.49	142	341895	87.764	ug/l 97
12) Methyl Acetate	2.75	43	344017	90.660	ug/l 96
13) Acrolein	2.28	56	230640	392.872	ug/l 97
14) Acrylonitrile	3.12	53	768608	433.517	ug/l 100
15) Acetone	2.42	58	196559	431.926	ug/l 97
16) Carbon Disulfide	2.55	76	697853	76.242	ug/l 97
17) Allyl chloride	2.71	41	458383	83.851	ug/l 96
18) Methylene Chloride	2.84	84	290335	81.351	ug/l 98
19) trans-1,2-Dichloroethene	3.14	96	289499	85.425	ug/l 95
20) Diisopropyl ether	3.82	45	911025	82.281	ug/l 99
21) 1,1-Dichloroethane	3.67	63	507908	83.287	ug/l 97
22) cis-1,2-Dichloroethene	4.56	96	327611	87.283	ug/l 98
23) tert-Butyl Alcohol	3.02	59	330088	426.141	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	939980	88.436	ug/l 100
25) Chloroform	5.18	83	543770	87.151	ug/l 92
26) Cyclohexane	5.55	56	423246	80.547	ug/l # 99
29) 1,1-Dichloropropene	5.77	75	399181	90.256	ug/l 98
30) 2-Butanone	4.64	43	1057749	458.106	ug/l 100
31) 2,2-Dichloropropane	4.56	77	478018	93.363	ug/l 99
32) 1,1,1-Trichloroethane	5.46	97	505899	93.500	ug/l 98
33) Carbon Tetrachloride	5.75	117	470999	97.506	ug/l 98
34) Benzene	6.11	78	1144274	89.000	ug/l 98
35) Methacrylonitrile	5.01	41	234651	92.147	ug/l 97
36) 1,2-Dichloroethane	6.16	62	447775	90.381	ug/l 99
37) Trichloroethene	7.19	130	344106	96.511	ug/l 99
38) Methylcyclohexane	7.44	83	444287	88.889	ug/l 98
39) 1,2-Dichloropropane	7.49	63	301200	89.739	ug/l 95
40) Dibromomethane	7.64	93	213551	91.976	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	447525	93.036	ug/l	98
42) Vinyl Acetate	3.79	43	4064806	440.441	ug/l	100
43) Ethyl Acetate	4.80	43	418199	87.941	ug/l	100
44) Isopropyl Acetate	6.42	43	697919	89.128	ug/l	98
45) 1,4-Dioxane	7.71	88	136744	1770.571	ug/l	97
46) Methyl methacrylate	7.74	41	348735	95.533	ug/l	99
47) n-amyl Acetate	10.88	43	661326	95.627	ug/l	97
48) t-1,3-Dichloropropene	9.02	75	511593	95.984	ug/l	99
49) cis-1,3-Dichloropropene	8.41	75	531933	95.131	ug/l	98
50) 1,1,2-Trichloroethane	9.20	97	314345	95.690	ug/l	98
51) Ethyl methacrylate	9.16	69	488662	98.463	ug/l	96
52) 1,3-Dichloropropane	9.35	76	521605	94.024	ug/l	99
53) Dibromochloromethane	9.57	129	393247	103.176	ug/l	97
54) 1,2-Dibromoethane	9.65	107	346812	99.529	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	1258180	481.242	ug/l	99
56) Bromoform	10.84	173	315629	114.842	ug/l	100
58) 4-Methyl-2-Pentanone	8.62	43	2168013	448.723	ug/l	99
59) 2-Hexanone	9.48	43	1682002	465.495	ug/l	98
61) Tetrachloroethene	9.32	164	331488	95.767	ug/l	99
62) Toluene	8.77	91	1278422	89.006	ug/l	100
64) Chlorobenzene	10.12	112	851375	93.649	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	349094	101.119	ug/l	99
66) Ethyl Benzene	10.24	91	1483995	93.109	ug/l	100
67) m/p-Xylenes	10.34	106	1141580	188.359	ug/l	98
68) o-Xylene	10.68	106	555757	96.411	ug/l	96
69) Styrene	10.69	104	994723	99.586	ug/l	98
70) Isopropylbenzene	11.00	105	1515912	95.933	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.26	83	458595	94.163	ug/l	100
72) 1,2,3-Trichloropropane	11.28	75	433132m	92.520	ug/l	
73) Bromobenzene	11.24	156	415545	102.749	ug/l	99
74) n-propylbenzene	11.35	91	1766196	94.738	ug/l	100
75) 2-Chlorotoluene	11.40	91	1057532	96.105	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	1319649	99.128	ug/l	100
77) t-1,4-Dichloro-2-butene	11.06	75	179658	95.382	ug/l	91
78) 4-Chlorotoluene	11.49	91	1245073	95.749	ug/l	99
79) tert-butylbenzene	11.76	119	1301347	102.224	ug/l	99
80) 1,2,4-Trimethylbenzene	11.79	105	1324074	99.135	ug/l	99
81) sec-Butylbenzene	11.93	105	1502591	98.047	ug/l	100
82) p-Isopropyltoluene	12.05	119	1418567	101.765	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	737024	101.438	ug/l	100
84) 1,4-Dichlorobenzene	12.08	146	739261	101.300	ug/l	99
85) n-Butylbenzene	12.37	91	1192658	93.781	ug/l	99
86) Hexachloroethane	12.58	117	268556	99.045	ug/l	98
87) 1,2-Dichlorobenzene	12.38	146	705477	103.486	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	113313	101.617	ug/l	96
89) 1,2,4-Trichlorobenzene	13.63	180	511007	110.862	ug/l	97
90) Hexachlorobutadiene	13.76	225	186843	104.532	ug/l	97
91) Naphthalene	13.82	128	1576076	106.156	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	486705	107.592	ug/l	97

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

