

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090420\
 Data File : VX018252.D
 Acq On : 04 Sep 2020 11:25
 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
 9/8/2020 5:16:52 PM

Quant Time: Sep 04 12:01:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X090420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 04 11:54:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.99	128	80907	30.00	ug/l	0.01
28) 1,4-Difluorobenzene	6.84	114	413181	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	402555	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.04	65	187647	29.30	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.67%
60) 4-Bromofluorobenzene	11.12	95	212146	31.26	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	104.20%
63) Toluene-d8	8.70	98	527832	30.17	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	452392	97.912 ug/l	97
3) Chloromethane	1.31	50	477705	101.965 ug/l	97
4) Vinyl Chloride	1.39	62	510866	108.386 ug/l	100
5) Bromomethane	1.62	94	326456	107.754 ug/l	96
6) Chloroethane	1.71	64	308173	112.432 ug/l	97
7) Trichlorofluoromethane	1.92	101	856309	113.584 ug/l	100
8) Diethyl Ether	2.17	74	270919	118.291 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	433380	119.667 ug/l	100
10) 1,1-Dichloroethene	2.36	96	434826	126.270 ug/l	97
11) Methyl Iodide	2.49	142	581405	150.477 ug/l	98
12) Methyl Acetate	2.75	43	573445	115.267 ug/l	96
13) Acrolein	2.28	56	237061	367.443 ug/l	96
14) Acrylonitrile	3.12	53	1312988	625.264 ug/l	100
15) Acetone	2.42	58	343965	594.277 ug/l	87
16) Carbon Disulfide	2.55	76	1237201	134.016 ug/l	97
17) Allyl chloride	2.71	41	786575	123.845 ug/l	99
18) Methylene Chloride	2.84	84	490440	122.260 ug/l	93
19) trans-1,2-Dichloroethene	3.14	96	478766	131.356 ug/l	98
20) Diisopropyl ether	3.83	45	1546202	121.666 ug/l	97
21) 1,1-Dichloroethane	3.67	63	875215	125.990 ug/l	99
22) cis-1,2-Dichloroethene	4.56	96	532730	123.474 ug/l	96
23) tert-Butyl Alcohol	3.02	59	569297	595.938 ug/l	# 100
24) Methyl tert-Butyl Ether	3.17	73	1568864	121.115 ug/l	99
25) Chloroform	5.18	83	935497	122.767 ug/l	98
26) Cyclohexane	5.55	56	732448	123.849 ug/l	# 48
29) 1,1-Dichloropropene	5.77	75	687626	133.708 ug/l	99
30) 2-Butanone	4.64	43	1863177	649.929 ug/l	99
31) 2,2-Dichloropropane	4.55	77	808175	125.790 ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	876055	127.106 ug/l	98
33) Carbon Tetrachloride	5.76	117	816860	128.078 ug/l	92
34) Benzene	6.12	78	1927355	131.290 ug/l	97
35) Methacrylonitrile	5.01	41	412364	133.033 ug/l	93
36) 1,2-Dichloroethane	6.17	62	797504	129.606 ug/l	# 100
37) Trichloroethene	7.19	130	550892	128.617 ug/l	98
38) Methylcyclohexane	7.45	83	754528	126.269 ug/l	96
39) 1,2-Dichloropropane	7.49	63	504123	126.954 ug/l	97
40) Dibromomethane	7.64	93	368458	129.953 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	774466	126.223	ug/l	94
42) Vinyl Acetate	3.79	43	7087358	715.061	ug/l	99
43) Ethyl Acetate	4.79	43	744960	135.692	ug/l	98
44) Isopropyl Acetate	6.42	43	1209844	129.355	ug/l	97
45) 1,4-Dioxane	7.71	88	200248	2303.620	ug/l #	88
46) Methyl methacrylate	7.75	41	611197	133.953	ug/l	97
47) n-amyl Acetate	10.88	43	1136851	146.534	ug/l	99
48) t-1,3-Dichloropropene	9.02	75	880949	133.953	ug/l	98
49) cis-1,3-Dichloropropene	8.42	75	889576	125.409	ug/l	97
50) 1,1,2-Trichloroethane	9.20	97	515442	129.702	ug/l	97
51) Ethyl methacrylate	9.16	69	806093	138.235	ug/l	98
52) 1,3-Dichloropropane	9.35	76	868232	132.191	ug/l	98
53) Dibromochloromethane	9.57	129	665476	131.014	ug/l	99
54) 1,2-Dibromoethane	9.65	107	575694	131.319	ug/l	98
55) 2-Chloroethyl vinyl ether	8.29	63	2121268	672.103	ug/l	99
56) Bromoform	10.84	173	515043	136.697	ug/l	100
58) 4-Methyl-2-Pentanone	8.62	43	3802402	644.108	ug/l	99
59) 2-Hexanone	9.48	43	2956966	691.480	ug/l	100
61) Tetrachloroethene	9.32	164	524731	116.510	ug/l	86
62) Toluene	8.77	91	2146369	128.620	ug/l	100
64) Chlorobenzene	10.12	112	1392593	124.951	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.21	131	563048	123.580	ug/l	99
66) Ethyl Benzene	10.24	91	2483960	133.854	ug/l	99
67) m/p-Xylenes	10.34	106	1890952	270.764	ug/l	99
68) o-Xylene	10.68	106	909282	133.543	ug/l	100
69) Styrene	10.70	104	1593424	133.550	ug/l	98
70) Isopropylbenzene	11.01	105	2546310	129.426	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	783731	136.130	ug/l	98
72) 1,2,3-Trichloropropane	11.28	75	757137m	133.102	ug/l	
73) Bromobenzene	11.24	156	681643	130.188	ug/l	99
74) n-propylbenzene	11.35	91	2955809	130.589	ug/l	98
75) 2-Chlorotoluene	11.41	91	1783902	130.046	ug/l	100
76) 1,3,5-Trimethylbenzene	11.49	105	2235587	134.500	ug/l	100
77) t-1,4-Dichloro-2-butene	11.06	75	308099	138.342	ug/l	90
78) 4-Chlorotoluene	11.49	91	2133875	133.417	ug/l	100
79) tert-butylbenzene	11.76	119	2172698	133.313	ug/l	97
80) 1,2,4-Trimethylbenzene	11.79	105	2211835	128.113	ug/l	99
81) sec-Butylbenzene	11.93	105	2517308	130.116	ug/l	99
82) p-Isopropyltoluene	12.05	119	2354130	133.286	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	1194128	124.439	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	1195818	125.545	ug/l	99
85) n-Butylbenzene	12.37	91	2092588	125.150	ug/l	99
86) Hexachloroethane	12.58	117	454855	121.805	ug/l	99
87) 1,2-Dichlorobenzene	12.38	146	1102585	116.640	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	12.98	75	208963	131.823	ug/l	99
89) 1,2,4-Trichlorobenzene	13.63	180	797447	122.066	ug/l	98
90) Hexachlorobutadiene	13.77	225	329614	110.202	ug/l	94
91) Naphthalene	13.82	128	2553734	131.337	ug/l	100
92) 1,2,3-Trichlorobenzene	14.01	180	775427	122.989	ug/l	99

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

