

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090420\
 Data File : VX018250.D
 Acq On : 04 Sep 2020 10:40
 Operator : JC/SP
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 9/8/2020 5:16:47 PM

Quant Time: Sep 04 12:08:05 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	4.98	128	84178	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	433122	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	411406	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	202915	30.45	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.50%
60) 4-Bromofluorobenzene	11.12	95	213778	30.82	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.73%
63) Toluene-d8	8.70	98	554413	31.01	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	82909	17.247	ug/l 100
3) Chloromethane	1.31	50	87896	18.032	ug/l 100
4) Vinyl Chloride	1.39	62	92354	18.833	ug/l 100
5) Bromomethane	1.64	94	69203	21.954	ug/l 100
6) Chloroethane	1.71	64	57274	20.084	ug/l 100
7) Trichlorofluoromethane	1.92	101	155453	19.819	ug/l 100
8) Diethyl Ether	2.17	74	49588	20.810	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	80941	21.481	ug/l 100
10) 1,1-Dichloroethene	2.36	96	78690	21.963	ug/l 100
11) Methyl Iodide	2.50	142	68587	17.062	ug/l 100
12) Methyl Acetate	2.75	43	106132	20.504	ug/l 100
13) Acrolein	2.28	56	37186	55.398	ug/l 100
14) Acrylonitrile	3.12	53	233149	106.715	ug/l 100
15) Acetone	2.42	58	64886	107.749	ug/l 100
16) Carbon Disulfide	2.56	76	232288	24.184	ug/l 100
17) Allyl chloride	2.71	41	138729	20.994	ug/l 100
18) Methylene Chloride	2.84	84	94479	22.637	ug/l 100
19) trans-1,2-Dichloroethene	3.14	96	86165	22.722	ug/l 100
20) Diisopropyl ether	3.83	45	283471	21.439	ug/l 100
21) 1,1-Dichloroethane	3.67	63	162336	22.461	ug/l 100
22) cis-1,2-Dichloroethene	4.57	96	97978	21.826	ug/l 100
23) tert-Butyl Alcohol	3.01	59	97625	98.222	ug/l 100
24) Methyl tert-Butyl Ether	3.17	73	277142	20.564	ug/l 100
25) Chloroform	5.18	83	172886	21.807	ug/l 100
26) Cyclohexane	5.56	56	125785	20.442	ug/l # 100
29) 1,1-Dichloropropene	5.77	75	120068	22.272	ug/l 100
30) 2-Butanone	4.64	43	335189	111.540	ug/l 100
31) 2,2-Dichloropropane	4.56	77	146229	21.712	ug/l 100
32) 1,1,1-Trichloroethane	5.46	97	160685	22.240	ug/l 100
33) Carbon Tetrachloride	5.76	117	150455	22.504	ug/l 100
34) Benzene	6.11	78	351378	22.834	ug/l 100
35) Methacrylonitrile	5.01	41	69184	21.292	ug/l 100
36) 1,2-Dichloroethane	6.17	62	143683	22.275	ug/l # 100
37) Trichloroethene	7.19	130	98405	21.917	ug/l 100
38) Methylcyclohexane	7.45	83	120956	19.310	ug/l 100
39) 1,2-Dichloropropane	7.49	63	94315	22.658	ug/l 100
40) Dibromomethane	7.64	93	67936	22.857	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	138636	21.555	ug/l	100
42) Vinyl Acetate	3.79	43	1247434	120.062	ug/l	100
43) Ethyl Acetate	4.79	43	133055	23.120	ug/l	100
44) Isopropyl Acetate	6.42	43	211022	21.523	ug/l	100
45) 1,4-Dioxane	7.71	88	34270	376.086	ug/l	100
46) Methyl methacrylate	7.75	41	98820	20.661	ug/l	100
47) n-amyl Acetate	10.88	43	176559	21.710	ug/l	100
48) t-1,3-Dichloropropene	9.02	75	146359	21.230	ug/l	100
49) cis-1,3-Dichloropropene	8.41	75	157383	21.166	ug/l	100
50) 1,1,2-Trichloroethane	9.20	97	94510	22.687	ug/l	100
51) Ethyl methacrylate	9.16	69	129263	21.146	ug/l	100
52) 1,3-Dichloropropane	9.35	76	155302	22.557	ug/l	100
53) Dibromochloromethane	9.57	129	112736	21.173	ug/l	100
54) 1,2-Dibromoethane	9.65	107	100959	21.969	ug/l	100
55) 2-Chloroethyl vinyl ether	8.29	63	349378	105.601	ug/l	100
56) Bromoform	10.84	173	82743	20.950	ug/l	100
58) 4-Methyl-2-Pentanone	8.62	43	662526	109.814	ug/l	100
59) 2-Hexanone	9.47	43	495861	113.461	ug/l	100
61) Tetrachloroethene	9.32	164	96394	20.943	ug/l	100
62) Toluene	8.77	91	383873	22.508	ug/l	100
64) Chlorobenzene	10.12	112	248569	21.823	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.20	131	98618	21.179	ug/l	100
66) Ethyl Benzene	10.24	91	417597	22.019	ug/l	100
67) m/p-Xylenes	10.34	106	322256	45.151	ug/l	100
68) o-Xylene	10.68	106	147436	21.188	ug/l	100
69) Styrene	10.69	104	262066	21.492	ug/l	100
70) Isopropylbenzene	11.00	105	420083	20.893	ug/l	100
71) 1,1,2,2-Tetrachloroethane	11.25	83	139130	23.646	ug/l	100
72) 1,2,3-Trichloropropane	11.28	75	135323m	23.277	ug/l	100
73) Bromobenzene	11.24	156	115885	21.657	ug/l	100
74) n-propylbenzene	11.34	91	493887	21.351	ug/l	100
75) 2-Chlorotoluene	11.40	91	301651	21.517	ug/l	100
76) 1,3,5-Trimethylbenzene	11.49	105	363366	21.391	ug/l	100
77) t-1,4-Dichloro-2-butene	11.05	75	49366	21.689	ug/l	100
78) 4-Chlorotoluene	11.49	91	357597	21.877	ug/l	100
79) tert-butylbenzene	11.76	119	350144	21.022	ug/l	100
80) 1,2,4-Trimethylbenzene	11.79	105	363223	20.586	ug/l	100
81) sec-Butylbenzene	11.93	105	403260	20.396	ug/l	100
82) p-Isopropyltoluene	12.05	119	375942	20.827	ug/l	100
83) 1,3-Dichlorobenzene	12.01	146	208450	21.255	ug/l	100
84) 1,4-Dichlorobenzene	12.08	146	209582	21.530	ug/l	100
85) n-Butylbenzene	12.37	91	324451	18.987	ug/l	100
86) Hexachloroethane	12.58	117	73481	19.254	ug/l	100
87) 1,2-Dichlorobenzene	12.38	146	193519	20.032	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	12.98	75	33273	20.538	ug/l	100
89) 1,2,4-Trichlorobenzene	13.63	180	125284	18.765	ug/l	100
90) Hexachlorobutadiene	13.76	225	56642	18.530	ug/l	100
91) Naphthalene	13.82	128	391182	19.686	ug/l	100
92) 1,2,3-Trichlorobenzene	14.00	180	124619	19.340	ug/l	100

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

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