

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070220\
 Data File : VX017140.D
 Acq On : 02 Jul 2020 11:50
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020

Quant Time: Jul 03 01:00:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X062520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jun 26 09:03:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	45794	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	237525	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	228998	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	98894	27.75	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	92.50%
60) 4-Bromofluorobenzene	11.12	95	114385	29.95	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.83%
63) Toluene-d8	8.70	98	295770	29.30	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	49507	22.232	ug/l 95
3) Chloromethane	1.31	50	50567	16.745	ug/l 99
4) Vinyl Chloride	1.39	62	49601	16.106	ug/l 94
5) Bromomethane	1.63	94	34662	15.632	ug/l 100
6) Chloroethane	1.72	64	32196	16.210	ug/l 97
7) Trichlorofluoromethane	1.92	101	87047	17.380	ug/l 98
8) Diethyl Ether	2.17	74	28986	15.906	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	47399	17.832	ug/l 91
10) 1,1-Dichloroethene	2.36	96	44899	17.127	ug/l 93
11) Methyl Iodide	2.49	142	61619	17.604	ug/l 98
12) Methyl Acetate	2.75	43	57468	17.378	ug/l 99
13) Acrolein	2.27	56	44160	84.630	ug/l 100
14) Acrylonitrile	3.11	53	131559	83.998	ug/l 99
15) Acetone	2.42	58	29983	73.973	ug/l 90
16) Carbon Disulfide	2.55	76	139932	16.979	ug/l 98
17) Allyl chloride	2.71	41	84122	17.141	ug/l 94
18) Methylene Chloride	2.84	84	55844	17.686	ug/l 88
19) trans-1,2-Dichloroethene	3.14	96	53994	18.178	ug/l 99
20) Diisopropyl ether	3.82	45	170701	17.405	ug/l 90
21) 1,1-Dichloroethane	3.67	63	93583	17.304	ug/l 99
22) cis-1,2-Dichloroethene	4.56	96	59328	17.940	ug/l 96
23) tert-Butyl Alcohol	3.01	59	53308	76.836	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	168093	17.957	ug/l 99
25) Chloroform	5.18	83	100173	18.269	ug/l 99
26) Cyclohexane	5.55	56	80191	16.998	ug/l # 95
29) 1,1-Dichloropropene	5.77	75	75294	19.459	ug/l 98
30) 2-Butanone	4.63	43	174872	86.704	ug/l # 96
31) 2,2-Dichloropropane	4.54	77	90344	20.359	ug/l 98
32) 1,1,1-Trichloroethane	5.46	97	92045	19.659	ug/l 98
33) Carbon Tetrachloride	5.75	117	85957	20.702	ug/l 96
34) Benzene	6.11	78	213838	18.980	ug/l 98
35) Methacrylonitrile	5.00	41	39690	17.831	ug/l 97
36) 1,2-Dichloroethane	6.16	62	81840	18.966	ug/l 100
37) Trichloroethene	7.18	130	64783	21.072	ug/l 85
38) Methylcyclohexane	7.44	83	83209	18.883	ug/l 99
39) 1,2-Dichloropropane	7.49	63	55682	18.970	ug/l 95
40) Dibromomethane	7.63	93	38543	19.052	ug/l 90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.87	83	81065	19.351	ug/l	94
42) Vinyl Acetate	3.78	43	733864	90.293	ug/l	98
43) Ethyl Acetate	4.79	43	72997	17.473	ug/l	99
44) Isopropyl Acetate	6.41	43	119527	17.358	ug/l	99
45) 1,4-Dioxane	7.71	88	22932	330.095	ug/l	95
46) Methyl methacrylate	7.74	41	57112	17.922	ug/l	94
47) n-amyl Acetate	10.88	43	101314	16.645	ug/l	96
48) t-1,3-Dichloropropene	9.02	75	86623	18.702	ug/l	95
49) cis-1,3-Dichloropropene	8.42	75	93628	19.234	ug/l	95
50) 1,1,2-Trichloroethane	9.20	97	55687	19.724	ug/l	95
51) Ethyl methacrylate	9.16	69	79075	18.250	ug/l	95
52) 1,3-Dichloropropane	9.35	76	93674	19.325	ug/l	97
53) Dibromochloromethane	9.56	129	66856	20.602	ug/l	100
54) 1,2-Dibromoethane	9.65	107	60480	20.188	ug/l	100
55) 2-Chloroethyl vinyl ether	8.29	63	197433	86.589	ug/l	98
56) Bromoform	10.84	173	51372	22.301	ug/l	98
58) 4-Methyl-2-Pentanone	8.62	43	363665	86.213	ug/l	96
59) 2-Hexanone	9.47	43	272289	86.493	ug/l	97
61) Tetrachloroethene	9.32	164	64329	22.027	ug/l	92
62) Toluene	8.76	91	231462	18.480	ug/l	97
64) Chlorobenzene	10.12	112	150166	19.137	ug/l	99
65) 1,1,1,2-Tetrachloroethane	10.20	131	60652	20.532	ug/l	96
66) Ethyl Benzene	10.23	91	258671	18.623	ug/l	98
67) m/p-Xylenes	10.34	106	203167	38.775	ug/l	98
68) o-Xylene	10.68	106	94276	18.731	ug/l	98
69) Styrene	10.70	104	163168	18.934	ug/l	97
70) Isopropylbenzene	11.00	105	259101	18.980	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.25	83	75545	18.019	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	75262m	18.693	ug/l	
73) Bromobenzene	11.24	156	70724	20.528	ug/l	94
74) n-propylbenzene	11.34	91	302846	18.684	ug/l	99
75) 2-Chlorotoluene	11.40	91	181164	19.167	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	224217	19.567	ug/l	100
77) t-1,4-Dichloro-2-butene	11.05	75	27152	16.641	ug/l	93
78) 4-Chlorotoluene	11.49	91	217551	19.440	ug/l	99
79) tert-butylbenzene	11.76	119	214999	19.586	ug/l	99
80) 1,2,4-Trimethylbenzene	11.79	105	226518	19.691	ug/l	98
81) sec-Butylbenzene	11.93	105	253161	19.049	ug/l	99
82) p-Isopropyltoluene	12.05	119	243655	20.305	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	127571	20.662	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	131771	21.242	ug/l	98
85) n-Butylbenzene	12.37	91	203909	18.358	ug/l	97
86) Hexachloroethane	12.58	117	45232	19.261	ug/l	87
87) 1,2-Dichlorobenzene	12.38	146	119970	20.760	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	12.98	75	17420	18.263	ug/l	92
89) 1,2,4-Trichlorobenzene	13.63	180	81454	20.892	ug/l	97
90) Hexachlorobutadiene	13.76	225	35236	23.758	ug/l	99
91) Naphthalene	13.82	128	244408	19.125	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	81470	21.412	ug/l	99

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

