

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050820\
 Data File : VX016136.D
 Acq On : 08 May 2020 20:59
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC020EC

Quant Time: May 09 05:42:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 30 12:42:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	49637	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.84	114	283622	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	259893	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.04	65	112513	29.49	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.30%
60) 4-Bromofluorobenzene	11.12	95	129419	29.69	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.97%
63) Toluene-d8	8.70	98	338982	30.40	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.33%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	67646	19.786	ug/l 97
3) Chloromethane	1.31	50	62389	18.625	ug/l 98
4) Vinyl Chloride	1.39	62	69934	18.375	ug/l 97
5) Bromomethane	1.63	94	34964	14.988	ug/l 99
6) Chloroethane	1.72	64	41751	16.733	ug/l 97
7) Trichlorofluoromethane	1.92	101	88740	16.278	ug/l 99
8) Diethyl Ether	2.17	74	34910	16.044	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	49926	17.734	ug/l 99
10) 1,1-Dichloroethene	2.36	96	50952	17.939	ug/l 96
11) Methyl Iodide	2.49	142	43713	11.273	ug/l 96
12) Methyl Acetate	2.75	43	97180	19.596	ug/l 100
13) Acrolein	2.27	56	21539	54.179	ug/l 97
14) Acrylonitrile	3.12	53	175985	96.074	ug/l 99
15) Acetone	2.42	58	48959	100.994	ug/l 81
16) Carbon Disulfide	2.55	76	157106	18.182	ug/l 98
17) Allyl chloride	2.71	41	94534	17.942	ug/l 92
18) Methylene Chloride	2.84	84	59530	18.709	ug/l 93
19) trans-1,2-Dichloroethene	3.15	96	56824	18.292	ug/l 99
20) Diisopropyl ether	3.82	45	183790	18.091	ug/l 90
21) 1,1-Dichloroethane	3.67	63	104966	18.530	ug/l 99
22) cis-1,2-Dichloroethene	4.57	96	64603	18.325	ug/l 96
23) tert-Butyl Alcohol	3.01	59	82270	91.751	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	186596	18.294	ug/l 94
25) Chloroform	5.18	83	104551	18.173	ug/l 99
26) Cyclohexane	5.55	56	94898	18.320	ug/l # 100
29) 1,1-Dichloropropene	5.78	75	80357	18.014	ug/l 99
30) 2-Butanone	4.64	43	246992	92.925	ug/l 98
31) 2,2-Dichloropropane	4.56	77	83000	15.461	ug/l 99
32) 1,1,1-Trichloroethane	5.47	97	93820	17.338	ug/l 98
33) Carbon Tetrachloride	5.76	117	82422	17.107	ug/l 99
34) Benzene	6.12	78	239183	18.358	ug/l 100
35) Methacrylonitrile	5.00	41	51048	18.085	ug/l 96
36) 1,2-Dichloroethane	6.17	62	84427	16.968	ug/l 100
37) Trichloroethene	7.19	130	73773	15.917	ug/l 98
38) Methylcyclohexane	7.45	83	93995	17.243	ug/l 99
39) 1,2-Dichloropropane	7.49	63	62096	18.566	ug/l 99
40) Dibromomethane	7.64	93	41214	17.746	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	83819	17.507	ug/l	99
42) Vinyl Acetate	3.79	43	768571	87.402	ug/l	99
43) Ethyl Acetate	4.80	43	94158	17.959	ug/l	100
44) Isopropyl Acetate	6.42	43	149656	17.589	ug/l	97
45) 1,4-Dioxane	7.71	88	32222	358.529	ug/l	98
46) Methyl methacrylate	7.75	41	70522	17.484	ug/l	91
47) n-amyl Acetate	10.88	43	125322	16.845	ug/l	96
48) t-1,3-Dichloropropene	9.02	75	95618	17.199	ug/l	96
49) cis-1,3-Dichloropropene	8.42	75	102289	17.808	ug/l	93
50) 1,1,2-Trichloroethane	9.20	97	59007	18.030	ug/l	97
51) Ethyl methacrylate	9.16	69	94703	17.524	ug/l	92
52) 1,3-Dichloropropane	9.35	76	103141	18.231	ug/l	100
53) Dibromochloromethane	9.57	129	64148	17.229	ug/l	98
54) 1,2-Dibromoethane	9.65	107	63371	17.619	ug/l	98
55) 2-Chloroethyl vinyl ether	8.29	63	277042	94.230	ug/l	99
56) Bromoform	10.84	173	48200	17.181	ug/l	100
58) 4-Methyl-2-Pentanone	8.62	43	470571	91.816	ug/l	98
59) 2-Hexanone	9.48	43	358668	90.600	ug/l	97
61) Tetrachloroethene	9.32	164	83649	16.271	ug/l	99
62) Toluene	8.77	91	252476	18.184	ug/l	99
64) Chlorobenzene	10.12	112	158521	17.931	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.21	131	59833	17.827	ug/l	98
66) Ethyl Benzene	10.24	91	284694	18.007	ug/l	99
67) m/p-Xylenes	10.34	106	214830	35.668	ug/l	97
68) o-Xylene	10.68	106	102236	17.602	ug/l	98
69) Styrene	10.70	104	172288	17.332	ug/l	99
70) Isopropylbenzene	11.01	105	274818	17.525	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.25	83	71201	24.425	ug/l	97
72) 1,2,3-Trichloropropane	11.28	75	85443m	18.097	ug/l	
73) Bromobenzene	11.24	156	68162	17.249	ug/l	98
74) n-propylbenzene	11.35	91	319951	17.566	ug/l	100
75) 2-Chlorotoluene	11.41	91	191632	17.904	ug/l	100
76) 1,3,5-Trimethylbenzene	11.49	105	229161	17.216	ug/l	100
77) t-1,4-Dichloro-2-butene	11.06	75	33647	16.574	ug/l	95
78) 4-Chlorotoluene	11.49	91	222908	17.594	ug/l	100
79) tert-butylbenzene	11.76	119	201494	17.724	ug/l	97
80) 1,2,4-Trimethylbenzene	11.79	105	231440	17.404	ug/l	100
81) sec-Butylbenzene	11.93	105	262756	17.137	ug/l	99
82) p-Isopropyltoluene	12.05	119	244346	17.197	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	123010	17.266	ug/l	99
84) 1,4-Dichlorobenzene	12.09	146	123764	17.483	ug/l	99
85) n-Butylbenzene	12.37	91	216813	16.705	ug/l	99
86) Hexachloroethane	12.58	117	41032	16.404	ug/l	99
87) 1,2-Dichlorobenzene	12.38	146	120319	17.462	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	22018	18.050	ug/l	99
89) 1,2,4-Trichlorobenzene	13.63	180	86807	17.104	ug/l	97
90) Hexachlorobutadiene	13.77	225	35463	16.259	ug/l	99
91) Naphthalene	13.82	128	291315	18.029	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	86843	17.811	ug/l	97

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

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