

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071020\
 Data File : VX017329.D
 Acq On : 10 Jul 2020 12:37
 Operator : JC/SP
 Sample : VX0710WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0710WBS01

Quant Time: Jul 11 00:48:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X070920W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 09 12:25:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	54092	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	271039	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	261500	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	114978	29.57	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.57%
60) 4-Bromofluorobenzene	11.12	95	131075	29.38	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.93%
63) Toluene-d8	8.70	98	337185	30.48	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	43758	18.506	ug/l 95
3) Chloromethane	1.31	50	46923	18.627	ug/l 96
4) Vinyl Chloride	1.39	62	47294	18.220	ug/l 99
5) Bromomethane	1.64	94	34153	19.741	ug/l 100
6) Chloroethane	1.72	64	31173	18.163	ug/l 100
7) Trichlorofluoromethane	1.92	101	86380	18.734	ug/l 97
8) Diethyl Ether	2.17	74	29451	18.004	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	46084	18.279	ug/l 99
10) 1,1-Dichloroethene	2.36	96	43940	17.677	ug/l 94
11) Methyl Iodide	2.49	142	49892	17.046	ug/l 99
12) Methyl Acetate	2.75	43	65859	19.015	ug/l 97
13) Acrolein	2.28	56	42627	95.172	ug/l 99
14) Acrylonitrile	3.12	53	143751	91.988	ug/l 99
15) Acetone	2.42	58	36495	92.601	ug/l 92
16) Carbon Disulfide	2.55	76	125007	18.541	ug/l 97
17) Allyl chloride	2.71	41	84196	18.207	ug/l 94
18) Methylene Chloride	2.84	84	56686	18.515	ug/l 97
19) trans-1,2-Dichloroethene	3.14	96	53207	18.307	ug/l 98
20) Diisopropyl ether	3.82	45	170960	18.491	ug/l 95
21) 1,1-Dichloroethane	3.67	63	95936	18.513	ug/l 97
22) cis-1,2-Dichloroethene	4.57	96	59478	17.938	ug/l 96
23) tert-Butyl Alcohol	3.01	59	58120	90.133	ug/l # 99
24) Methyl tert-Butyl Ether	3.17	73	172029	18.128	ug/l 100
25) Chloroform	5.18	83	102212	18.512	ug/l 93
26) Cyclohexane	5.55	56	74110	18.357	ug/l # 96
29) 1,1-Dichloropropene	5.77	75	72451	19.384	ug/l 98
30) 2-Butanone	4.64	43	193044	94.426	ug/l 98
31) 2,2-Dichloropropane	4.55	77	88368	18.872	ug/l 99
32) 1,1,1-Trichloroethane	5.46	97	94228	19.364	ug/l 99
33) Carbon Tetrachloride	5.75	117	87028	19.394	ug/l 96
34) Benzene	6.12	78	211282	18.998	ug/l 99
35) Methacrylonitrile	5.01	41	42183	18.429	ug/l 94
36) 1,2-Dichloroethane	6.17	62	83676	19.104	ug/l 99
37) Trichloroethene	7.19	130	62381	18.649	ug/l 92
38) Methylcyclohexane	7.44	83	75007	19.044	ug/l 99
39) 1,2-Dichloropropane	7.49	63	56002	19.271	ug/l 91
40) Dibromomethane	7.64	93	39447	18.842	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	82497	18.881	ug/l	96
42) Vinyl Acetate	3.79	43	737570	94.406	ug/l	100
43) Ethyl Acetate	4.80	43	78547m	19.533	ug/l	
44) Isopropyl Acetate	6.42	43	124318	18.581	ug/l	98
45) 1,4-Dioxane	7.71	88	23234	364.309	ug/l	96
46) Methyl methacrylate	7.74	41	60651	18.608	ug/l	98
47) n-amyl Acetate	10.88	43	105162	17.751	ug/l	99
48) t-1,3-Dichloropropene	9.02	75	87331	18.105	ug/l	99
49) cis-1,3-Dichloropropene	8.42	75	93340	18.493	ug/l	94
50) 1,1,2-Trichloroethane	9.20	97	58287	18.793	ug/l	98
51) Ethyl methacrylate	9.16	69	80789	17.878	ug/l	99
52) 1,3-Dichloropropane	9.35	76	95215	18.846	ug/l	99
53) Dibromochloromethane	9.57	129	67583	17.851	ug/l	95
54) 1,2-Dibromoethane	9.65	107	61736	18.616	ug/l	98
55) 2-Chloroethyl vinyl ether	8.29	63	223343	103.422	ug/l	99
56) Bromoform	10.84	173	53119	17.986	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	396777	95.759	ug/l	99
59) 2-Hexanone	9.47	43	296691	93.930	ug/l	99
61) Tetrachloroethene	9.32	164	63804	19.153	ug/l	98
62) Toluene	8.77	91	230719	18.637	ug/l	100
64) Chlorobenzene	10.12	112	153370	18.569	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.20	131	62919	18.645	ug/l	98
66) Ethyl Benzene	10.24	91	251283	18.037	ug/l	98
67) m/p-Xylenes	10.34	106	199567	37.081	ug/l	99
68) o-Xylene	10.68	106	93512	18.284	ug/l	97
69) Styrene	10.70	104	164737	18.162	ug/l	98
70) Isopropylbenzene	11.00	105	258957	18.458	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.25	83	80393	18.272	ug/l	97
72) 1,2,3-Trichloropropane	11.28	75	81560m	18.871	ug/l	
73) Bromobenzene	11.24	156	69593	17.656	ug/l	97
74) n-propylbenzene	11.34	91	293721	18.073	ug/l	100
75) 2-Chlorotoluene	11.40	91	185357	18.708	ug/l	100
76) 1,3,5-Trimethylbenzene	11.49	105	221985	18.443	ug/l	100
77) t-1,4-Dichloro-2-butene	11.05	75	29081	17.646	ug/l	98
78) 4-Chlorotoluene	11.49	91	212302	18.076	ug/l	99
79) tert-butylbenzene	11.76	119	210933	18.060	ug/l	99
80) 1,2,4-Trimethylbenzene	11.79	105	222065	18.287	ug/l	99
81) sec-Butylbenzene	11.93	105	249168	18.508	ug/l	99
82) p-Isopropyltoluene	12.05	119	231089	18.153	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	125412	17.680	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	127812	17.807	ug/l	98
85) n-Butylbenzene	12.37	91	188100	17.488	ug/l	99
86) Hexachloroethane	12.58	117	42822	17.389	ug/l	96
87) 1,2-Dichlorobenzene	12.38	146	121449	17.904	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	18952	17.778	ug/l	98
89) 1,2,4-Trichlorobenzene	13.63	180	80418	17.480	ug/l	96
90) Hexachlorobutadiene	13.76	225	34621	18.760	ug/l	96
91) Naphthalene	13.82	128	242018	17.159	ug/l	99
92) 1,2,3-Trichlorobenzene	14.00	180	78939	17.252	ug/l	98

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

