

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040120\
 Data File : VX015462.D
 Acq On : 01 Apr 2020 12:47
 Operator : JC/SP
 Sample : VX0401WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0401WBS01

Quant Time: Apr 02 09:41:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 26 02:31:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	186853	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	1079898	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	978949	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	467091	31.99	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	106.63%
60) 4-Bromofluorobenzene	11.12	95	510972	30.50	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.67%
63) Toluene-d8	8.70	98	1263398	30.38	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.19	85	166440	18.653 ug/l	98
3) Chloromethane	1.31	50	200487	18.205 ug/l	100
4) Vinyl Chloride	1.39	62	205141	19.364 ug/l	99
5) Bromomethane	1.64	94	124036	21.993 ug/l	97
6) Chloroethane	1.72	64	126226	19.097 ug/l	96
7) Trichlorofluoromethane	1.92	101	306759	20.261 ug/l	100
8) Diethyl Ether	2.17	74	117969	20.252 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	205711	20.537 ug/l	95
10) 1,1-Dichloroethene	2.36	96	204263	20.076 ug/l	99
11) Methyl Iodide	2.49	142	227594	16.833 ug/l	97
12) Methyl Acetate	2.75	43	303450	20.383 ug/l	98
13) Acrolein	2.28	56	201110	103.840 ug/l	93
14) Acrylonitrile	3.12	53	644552	101.127 ug/l	98
15) Acetone	2.42	58	171310	105.701 ug/l	87
16) Carbon Disulfide	2.55	76	597977	20.105 ug/l	99
17) Allyl chloride	2.71	41	466860	20.324 ug/l	97
18) Methylene Chloride	2.84	84	231553	20.271 ug/l	97
19) trans-1,2-Dichloroethene	3.14	96	223132	20.274 ug/l	98
20) Diisopropyl ether	3.83	45	843284	20.469 ug/l	94
21) 1,1-Dichloroethane	3.67	63	431291	20.508 ug/l	99
22) cis-1,2-Dichloroethene	4.57	96	252554	19.919 ug/l	97
23) tert-Butyl Alcohol	3.03	59	323991	103.344 ug/l	# 100
24) Methyl tert-Butyl Ether	3.17	73	762692	20.190 ug/l	100
25) Chloroform	5.18	83	418644	20.139 ug/l	95
26) Cyclohexane	5.55	56	404781	20.145 ug/l	# 99
29) 1,1-Dichloropropene	5.77	75	321381	19.809 ug/l	99
30) 2-Butanone	4.64	43	960192	98.725 ug/l	99
31) 2,2-Dichloropropane	4.55	77	391910	20.073 ug/l	100
32) 1,1,1-Trichloroethane	5.47	97	390208	19.712 ug/l	98
33) Carbon Tetrachloride	5.76	117	346578	19.212 ug/l	97
34) Benzene	6.11	78	929545	19.879 ug/l	98
35) Methacrylonitrile	5.00	41	220424	19.986 ug/l	97
36) 1,2-Dichloroethane	6.16	62	377953	20.917 ug/l	99
37) Trichloroethene	7.19	130	254186	19.306 ug/l	97
38) Methylcyclohexane	7.44	83	395885	19.904 ug/l	98
39) 1,2-Dichloropropane	7.49	63	251584	20.031 ug/l	95
40) Dibromomethane	7.64	93	162175	19.399 ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.87	83	344524	18.963	ug/l	99
42) Vinyl Acetate	3.78	43	3842395	104.266	ug/l	99
43) Ethyl Acetate	4.79	43	383914	18.147	ug/l #	79
44) Isopropyl Acetate	6.41	43	654871	19.234	ug/l	99
45) 1,4-Dioxane	7.73	88	127590	406.784	ug/l	98
46) Methyl methacrylate	7.75	41	325678	19.168	ug/l	99
47) n-amyl Acetate	10.88	43	546271	18.608	ug/l	100
48) t-1,3-Dichloropropene	9.03	75	395278	18.846	ug/l	99
49) cis-1,3-Dichloropropene	8.42	75	424507	19.608	ug/l	98
50) 1,1,2-Trichloroethane	9.20	97	230359	19.201	ug/l	98
51) Ethyl methacrylate	9.16	69	382817	18.553	ug/l	99
52) 1,3-Dichloropropane	9.36	76	408283	19.703	ug/l	100
53) Dibromochloromethane	9.56	129	278129	18.806	ug/l	98
54) 1,2-Dibromoethane	9.65	107	242846	18.864	ug/l	99
55) 2-Chloroethyl vinyl ether	8.29	63	983575	100.927	ug/l	98
56) Bromoform	10.84	173	203053	16.698	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	1900731	101.449	ug/l	99
59) 2-Hexanone	9.47	43	1411553	99.032	ug/l	99
61) Tetrachloroethene	9.32	164	242918	19.305	ug/l	97
62) Toluene	8.76	91	991323	19.993	ug/l	100
64) Chlorobenzene	10.12	112	622901	19.539	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	239932	18.418	ug/l	100
66) Ethyl Benzene	10.23	91	1118070	19.738	ug/l	97
67) m/p-Xylenes	10.34	106	838122	39.092	ug/l	99
68) o-Xylene	10.68	106	407820	19.461	ug/l	98
69) Styrene	10.70	104	709322	19.428	ug/l	99
70) Isopropylbenzene	11.00	105	1103728	19.867	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.25	83	342301	19.010	ug/l	99
72) 1,2,3-Trichloropropane	11.28	75	331703m	19.688	ug/l	
73) Bromobenzene	11.24	156	281154	18.853	ug/l	98
74) n-propylbenzene	11.34	91	1275103	20.011	ug/l	99
75) 2-Chlorotoluene	11.40	91	763891	19.710	ug/l	100
76) 1,3,5-Trimethylbenzene	11.49	105	934376	19.585	ug/l	100
77) t-1,4-Dichloro-2-butene	11.06	75	129520	17.839	ug/l	92
78) 4-Chlorotoluene	11.49	91	883607	19.708	ug/l	99
79) tert-butylbenzene	11.76	119	899284	18.860	ug/l	98
80) 1,2,4-Trimethylbenzene	11.79	105	948195	19.619	ug/l	100
81) sec-Butylbenzene	11.93	105	1078521	19.718	ug/l	100
82) p-Isopropyltoluene	12.05	119	991453	19.232	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	495023	18.460	ug/l	98
84) 1,4-Dichlorobenzene	12.08	146	484829	18.117	ug/l	96
85) n-Butylbenzene	12.37	91	909587	19.795	ug/l	99
86) Hexachloroethane	12.58	117	183455	18.412	ug/l	95
87) 1,2-Dichlorobenzene	12.38	146	484218	18.509	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	87445	18.438	ug/l	96
89) 1,2,4-Trichlorobenzene	13.63	180	367073	17.418	ug/l	99
90) Hexachlorobutadiene	13.76	225	168646	15.191	ug/l	99
91) Naphthalene	13.82	128	1115763	18.283	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	359096	17.152	ug/l	99

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

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