

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX120420\
 Data File : VX019712.D
 Acq On : 04 Dec 2020 11:36
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 12/7/2020 10:56:17 AM

Quant Time: Dec 04 13:21:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 13:12:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	346310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	564503	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	519930	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	253883	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	88750	19.34	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	38.68%#
35) Dibromofluoromethane	5.46	113	71699	19.39	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	38.78%#
50) Toluene-d8	8.70	98	277692	19.60	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	39.20%#
62) 4-Bromofluorobenzene	11.12	95	102209	19.06	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	38.12%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	67923	20.063	ug/l	100
3) Chloromethane	1.31	50	75437	16.222	ug/l	100
4) Vinyl Chloride	1.39	62	82580	19.735	ug/l	98
5) Bromomethane	1.62	94	46257	30.951	ug/l	99
6) Chloroethane	1.71	64	51763	9.725	ug/l	97
7) Trichlorofluoromethane	1.92	101	113461	19.624	ug/l	97
8) Diethyl Ether	2.17	74	46824	19.267	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	67275	19.607	ug/l	100
10) Methyl Iodide	2.49	142	94416	20.080	ug/l	100
11) Tert butyl alcohol	3.01	59	99215	97.488	ug/l	99
12) 1,1-Dichloroethene	2.35	96	67193	19.539	ug/l	100
13) Acrolein	2.27	56	47096	80.494	ug/l	99
14) Allyl chloride	2.71	41	109503	19.804	ug/l	99
15) Acrylonitrile	3.11	53	216860	101.952	ug/l	100
16) Acetone	2.42	43	180684	97.735	ug/l	99
17) Carbon Disulfide	2.55	76	179068	19.196	ug/l	100
18) Methyl Acetate	2.75	43	88401	19.035	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	242502	20.001	ug/l	100
20) Methylene Chloride	2.84	84	85643	18.133	ug/l	97
21) trans-1,2-Dichloroethene	3.14	96	77538	19.954	ug/l	98
22) Diisopropyl ether	3.82	45	228639	19.971	ug/l	98
23) Vinyl Acetate	3.78	43	982835	101.950	ug/l	99
24) 1,1-Dichloroethane	3.67	63	136947	19.745	ug/l	99
25) 2-Butanone	4.63	43	277858	101.693	ug/l	100
26) 2,2-Dichloropropane	4.55	77	116121	20.057	ug/l	100
27) cis-1,2-Dichloroethene	4.56	96	89135	19.690	ug/l	99
28) Bromochloromethane	4.98	49	65833	20.824	ug/l	100
29) Tetrahydrofuran	5.09	42	176996	101.291	ug/l	99
30) Chloroform	5.17	83	139870	19.632	ug/l	99
31) Cyclohexane	5.55	56	118181	19.490	ug/l	97
32) 1,1,1-Trichloroethane	5.46	97	120375	19.789	ug/l	99
36) 1,1-Dichloropropene	5.76	75	105148	20.146	ug/l	98
37) Ethyl Acetate	4.79	43	107678	20.601	ug/l	100
38) Carbon Tetrachloride	5.75	117	102926	19.860	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	121146	19.749	ug/l	99
40) Benzene	6.11	78	322411	19.809	ug/l	100
41) Methacrylonitrile	5.00	41	58581	20.251	ug/l	100
42) 1,2-Dichloroethane	6.16	62	110931	19.840	ug/l	99
43) Isopropyl Acetate	6.41	43	170540	19.708	ug/l	100
44) Trichloroethene	7.18	130	82046	19.301	ug/l	97
45) 1,2-Dichloropropane	7.49	63	80979	19.782	ug/l	98
46) Dibromomethane	7.63	93	54595	19.884	ug/l	99
47) Bromodichloromethane	7.87	83	106525	19.573	ug/l	99
48) Methyl methacrylate	7.74	41	85103	19.897	ug/l	99
49) 1,4-Dioxane	7.71	88	41590	423.026	ug/l	100
51) 4-Methyl-2-Pentanone	8.62	43	539746	102.106	ug/l	100
52) Toluene	8.76	92	202172	19.951	ug/l	99
53) t-1,3-Dichloropropene	9.02	75	117958	19.765	ug/l	100
54) cis-1,3-Dichloropropene	8.41	75	130047	19.935	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	81598	19.911	ug/l	99
56) Ethyl methacrylate	9.16	69	122190	19.850	ug/l	99
57) 1,3-Dichloropropane	9.35	76	139233	20.076	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	321033	99.544	ug/l	100
59) 2-Hexanone	9.47	43	414991	103.780	ug/l	99
60) Dibromochloromethane	9.56	129	83252	19.778	ug/l	99
61) 1,2-Dibromoethane	9.65	107	87684	20.369	ug/l	98
64) Tetrachloroethene	9.32	164	70867	19.738	ug/l	98
65) Chlorobenzene	10.12	112	212024	19.670	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.20	131	76493	19.528	ug/l	98
67) Ethyl Benzene	10.23	91	382818	20.137	ug/l	99
68) m/p-Xylenes	10.34	106	288762	40.616	ug/l	99
69) o-Xylene	10.68	106	138648	20.089	ug/l	97
70) Styrene	10.69	104	234088	20.222	ug/l	100
71) Bromoform	10.84	173	59214	19.535	ug/l #	99
73) Isopropylbenzene	11.00	105	367181	20.767	ug/l	99
74) N-amyl acetate	10.88	43	145629	20.515	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.25	83	130710	20.415	ug/l	98
76) 1,2,3-Trichloropropane	11.28	75	120554m	20.718	ug/l	
77) Bromobenzene	11.24	156	93527	20.412	ug/l	98
78) n-propylbenzene	11.34	91	422597	20.732	ug/l	100
79) 2-Chlorotoluene	11.40	91	255067	20.573	ug/l	100
80) 1,3,5-Trimethylbenzene	11.49	105	312386	20.891	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	40786	19.606	ug/l	97
82) 4-Chlorotoluene	11.49	91	297419	20.579	ug/l	100
83) tert-Butylbenzene	11.76	119	301577	20.370	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	319479	21.142	ug/l	99
85) sec-Butylbenzene	11.93	105	346774	20.623	ug/l	100
86) p-Isopropyltoluene	12.05	119	315265	20.319	ug/l	99
87) 1,3-Dichlorobenzene	12.01	146	166888	20.018	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	167516	19.670	ug/l	98
89) n-Butylbenzene	12.37	91	272170	20.018	ug/l	99
90) Hexachloroethane	12.58	117	53081	20.119	ug/l	97
91) 1,2-Dichlorobenzene	12.37	146	166756	20.432	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.98	75	28089	20.770	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	106843	20.199	ug/l	100
94) Hexachlorobutadiene	13.76	225	45024	20.061	ug/l	100
95) Naphthalene	13.82	128	355349	20.703	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	104547	19.925	ug/l	99

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

