

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX073019\
 Data File : VX011213.D
 Acq On : 30 Jul 2019 22:21
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/31/2019 10:53:59 AM

Quant Time: Jul 31 09:30:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	188165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	285593	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	271739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	150620	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	105878	52.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.78%	
35) Dibromofluoromethane	5.49	113	90882	50.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.28%	
50) Toluene-d8	8.71	98	338045	49.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.44%	
62) 4-Bromofluorobenzene	11.13	95	132654	53.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.16%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	93056	46.418	ug/l	100
3) Chloromethane	1.32	50	80587	46.572	ug/l	97
4) Vinyl Chloride	1.41	62	89564	50.746	ug/l	98
5) Bromomethane	1.64	94	43337	43.572	ug/l	98
6) Chloroethane	1.71	64	55698	49.659	ug/l	97
7) Trichlorofluoromethane	1.92	101	153624	51.420	ug/l	98
8) Diethyl Ether	2.19	74	52217	50.727	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	81794	47.949	ug/l	99
10) Methyl Iodide	2.51	142	94339	42.142	ug/l	98
11) Tert butyl alcohol	3.06	59	114415	245.421	ug/l	99
12) 1,1-Dichloroethene	2.37	96	79243	47.280	ug/l	92
13) Acrolein	2.29	56	53902	200.117	ug/l	98
14) Allyl chloride	2.73	41	119727	49.179	ug/l	97
15) Acrylonitrile	3.14	53	248879	264.191	ug/l	99
16) Acetone	2.45	43	214334	237.068	ug/l	95
17) Carbon Disulfide	2.57	76	168004	39.077	ug/l	99
18) Methyl Acetate	2.78	43	122127	59.323	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	291682	54.060	ug/l	98
20) Methylene Chloride	2.85	84	93738	48.924	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	86549	48.668	ug/l	96
22) Diisopropyl ether	3.85	45	273933	53.351	ug/l	98
23) Vinyl Acetate	3.82	43	1145629	263.336	ug/l	99
24) 1,1-Dichloroethane	3.70	63	154903	51.948	ug/l	99
25) 2-Butanone	4.67	43	345941	266.553	ug/l	98
26) 2,2-Dichloropropane	4.59	77	100919	41.219	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	103477	50.277	ug/l	98
28) Bromochloromethane	5.02	49	71375	50.795	ug/l	97
29) Tetrahydrofuran	5.13	42	218337	265.585	ug/l	99
30) Chloroform	5.21	83	170387	52.865	ug/l	99
31) Cyclohexane	5.57	56	126251	46.451	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	148282	53.177	ug/l	100
36) 1,1-Dichloropropene	5.80	75	115818	49.371	ug/l	99
37) Ethyl Acetate	4.83	43	126773	52.776	ug/l	99
38) Carbon Tetrachloride	5.79	117	127254	52.057	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	134964	44.364	ug/l	96
40) Benzene	6.14	78	357215	49.710	ug/l	99
41) Methacrylonitrile	5.04	41	72392	53.088	ug/l	96
42) 1,2-Dichloroethane	6.20	62	132697	53.110	ug/l	99
43) Isopropyl Acetate	6.45	43	207439	52.519	ug/l	99
44) Trichloroethene	7.21	130	104020	48.903	ug/l	97
45) 1,2-Dichloropropane	7.51	63	92568	50.612	ug/l	98
46) Dibromomethane	7.66	93	68088	52.099	ug/l	99
47) Bromodichloromethane	7.90	83	124045	53.320	ug/l	96
48) Methyl methacrylate	7.77	41	103459	53.769	ug/l	97
49) 1,4-Dioxane	7.74	88	52351	972.651	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	710748	277.591	ug/l	100
52) Toluene	8.78	92	236644	50.130	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	131892	52.726	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	142315	51.128	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	101695	52.320	ug/l	96
56) Ethyl methacrylate	9.18	69	158147	55.623	ug/l	99
57) 1,3-Dichloropropane	9.37	76	161172	52.270	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	362514	267.099	ug/l	99
59) 2-Hexanone	9.49	43	551972	277.945	ug/l	99
60) Dibromochloromethane	9.58	129	110130	49.270	ug/l	99
61) 1,2-Dibromoethane	9.67	107	110541	53.588	ug/l	100
64) Tetrachloroethene	9.34	164	102739	48.060	ug/l	98
65) Chlorobenzene	10.13	112	278261	49.856	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	102415	52.211	ug/l	99
67) Ethyl Benzene	10.25	91	476264	50.133	ug/l	98
68) m/p-Xylenes	10.36	106	364829	100.114	ug/l	98
69) o-Xylene	10.69	106	180353	50.711	ug/l	99
70) Styrene	10.71	104	315957	53.293	ug/l	99
71) Bromoform	10.85	173	84370	47.379	ug/l #	99
73) Isopropylbenzene	11.02	105	489636	48.110	ug/l	100
74) N-amyl acetate	10.90	43	197063	50.676	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	163754	49.166	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	139483m	51.318	ug/l	
77) Bromobenzene	11.26	156	133872	47.688	ug/l	97
78) n-propylbenzene	11.36	91	552718	49.152	ug/l	99
79) 2-Chlorotoluene	11.42	91	328944	48.695	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	421390	49.551	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	43587	41.375	ug/l	95
82) 4-Chlorotoluene	11.51	91	390981	49.728	ug/l	100
83) tert-Butylbenzene	11.77	119	413774	49.534	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	428818	50.029	ug/l	100
85) sec-Butylbenzene	11.94	105	493786	50.449	ug/l	99
86) p-Isopropyltoluene	12.06	119	459072	50.733	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	243399	49.961	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	244131	48.860	ug/l	99
89) n-Butylbenzene	12.38	91	406483	52.507	ug/l	100
90) Hexachloroethane	12.60	117	68936	48.300	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	238238	49.342	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	37397	53.716	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	176435	53.920	ug/l	98
94) Hexachlorobutadiene	13.78	225	80481	49.632	ug/l	98
95) Naphthalene	13.83	128	557254	57.671	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	174767	53.679	ug/l	98

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

