

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072019\
 Data File : VX010994.D
 Acq On : 19 Jul 2019 11:57
 Operator : JC/SP
 Sample : K3591-07 LOD-MDL 2.5PPB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Manual Integrations
 APPROVED

MMDadoda
 7/22/2019 5:22:43 PM

Quant Time: Jul 20 04:07:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 20 03:57:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	257185	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	383531	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	343906	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	171794	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	121714	44.49	ug/l	0.00
Spiked Amount			Recovery	=	88.98%	
35) Dibromofluoromethane	5.50	113	105335	43.27	ug/l	0.00
Spiked Amount			Recovery	=	86.54%	
50) Toluene-d8	8.71	98	401098	43.93	ug/l	0.00
Spiked Amount			Recovery	=	87.86%	
62) 4-Bromofluorobenzene	11.13	95	142636	42.50	ug/l	0.00
Spiked Amount			Recovery	=	85.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	3371	1.404	ug/l	97
3) Chloromethane	1.33	50	4459	1.885	ug/l	89
4) Vinyl Chloride	1.41	62	4338	1.798	ug/l	97
5) Bromomethane	1.64	94	3277	2.411	ug/l	96
6) Chloroethane	1.73	64	3291	2.147	ug/l	95
7) Trichlorofluoromethane	1.93	101	8712	2.133	ug/l	92
8) Diethyl Ether	2.19	74	3253	2.312	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.39	101	5205	2.232	ug/l	96
10) Methyl Iodide	2.51	142	4284	1.400	ug/l	98
11) Tert butyl alcohol	3.04	59	9925	15.576	ug/l	97
12) 1,1-Dichloroethene	2.37	96	5248	2.291	ug/l	96
13) Acrolein	2.29	56	4222	11.468	ug/l	98
14) Allyl chloride	2.73	41	7283	2.189	ug/l	97
15) Acrylonitrile	3.15	53	14774	11.474	ug/l	99
16) Acetone	2.45	43	14381	11.638	ug/l	96
17) Carbon Disulfide	2.57	76	12084	2.056	ug/l	100
18) Methyl Acetate	2.78	43	8355	2.969	ug/l	96
19) Methyl tert-butyl Ether	3.19	73	16732	2.269	ug/l	95
20) Methylene Chloride	2.86	84	6440	2.459	ug/l #	86
21) trans-1,2-Dichloroethene	3.17	96	5385	2.215	ug/l	98
22) Diisopropyl ether	3.86	45	15788	2.250	ug/l #	95
23) Vinyl Acetate	3.82	43	55884	9.398	ug/l	98
24) 1,1-Dichloroethane	3.70	63	9261	2.272	ug/l	99
25) 2-Butanone	4.68	43	20206	11.391	ug/l	94
26) 2,2-Dichloropropane	4.59	77	6674	1.994	ug/l	79
27) cis-1,2-Dichloroethene	4.60	96	6727	2.391	ug/l	94
28) Bromochloromethane	5.02	49	4614	2.402	ug/l	92
29) Tetrahydrofuran	5.13	42	11918	10.607	ug/l	97
30) Chloroform	5.20	83	10247	2.326	ug/l	99
31) Cyclohexane	5.57	56	8490	2.285	ug/l	91
32) 1,1,1-Trichloroethane	5.49	97	8224	2.158	ug/l	99
36) 1,1-Dichloropropene	5.81	75	7327	2.326	ug/l	98
37) Ethyl Acetate	4.84	43	8051	2.496	ug/l #	95
38) Carbon Tetrachloride	5.79	117	6977	2.125	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	7.46	83	8773	2.147	ug/l	# 88
40) Benzene	6.15	78	21823	2.261	ug/l	97
41) Methacrylonitrile	5.05	41	4396	2.401	ug/l	92
42) 1,2-Dichloroethane	6.19	62	7884	2.350	ug/l	97
43) Isopropyl Acetate	6.45	43	11389	2.147	ug/l	98
44) Trichloroethene	7.22	130	6515	2.281	ug/l	97
45) 1,2-Dichloropropane	7.51	63	5975	2.433	ug/l	96
46) Dibromomethane	7.66	93	4103	2.338	ug/l	98
47) Bromodichloromethane	7.90	83	6327	2.025	ug/l	86
48) Methyl methacrylate	7.77	41	5751	2.226	ug/l	94
49) 1,4-Dioxane	7.75	88	3370	46.624	ug/l	# 88
51) 4-Methyl-2-Pentanone	8.64	43	37400	10.877	ug/l	99
52) Toluene	8.78	92	14358	2.265	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	5944	1.769	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	7100	1.899	ug/l	# 94
55) 1,1,2-Trichloroethane	9.21	97	5505	2.109	ug/l	95
56) Ethyl methacrylate	9.18	69	7979	2.090	ug/l	92
57) 1,3-Dichloropropane	9.37	76	9280	2.241	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.31	63	20321	11.149	ug/l	98
59) 2-Hexanone	9.49	43	28554	10.707	ug/l	100
60) Dibromochloromethane	9.58	129	5002	1.892	ug/l	100
61) 1,2-Dibromoethane	9.67	107	6130	2.213	ug/l	96
64) Tetrachloroethene	9.33	164	6531	2.414	ug/l	92
65) Chlorobenzene	10.13	112	16079	2.276	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	5059	2.038	ug/l	96
67) Ethyl Benzene	10.25	91	26985	2.244	ug/l	100
68) m/p-Xylenes	10.36	106	20289	4.399	ug/l	99
69) o-Xylene	10.70	106	10257	2.279	ug/l	95
70) Styrene	10.71	104	15834	2.110	ug/l	98
71) Bromoform	10.86	173	3261	1.647	ug/l	# 97
73) Isopropylbenzene	11.02	105	26598	2.291	ug/l	99
74) N-amyl acetate	10.90	43	9275	2.091	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	8709	2.293	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	7162m	2.310	ug/l	
77) Bromobenzene	11.26	156	7254	2.266	ug/l	97
78) n-propylbenzene	11.36	91	28378	2.213	ug/l	100
79) 2-Chlorotoluene	11.42	91	17780	2.308	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	21321	2.198	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	1707m	1.515	ug/l	
82) 4-Chlorotoluene	11.51	91	20411	2.276	ug/l	99
83) tert-Butylbenzene	11.77	119	20465	2.148	ug/l	93
84) 1,2,4-Trimethylbenzene	11.80	105	21963	2.247	ug/l	99
85) sec-Butylbenzene	11.94	105	24630	2.206	ug/l	99
86) p-Isopropyltoluene	12.06	119	21712	2.104	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	12584	2.265	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	12993	2.280	ug/l	81
89) n-Butylbenzene	12.38	91	18172	2.058	ug/l	99
90) Hexachloroethane	12.60	117	3008	1.848	ug/l	94
91) 1,2-Dichlorobenzene	12.39	146	13063	2.372	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	1610	2.028	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	7947	2.129	ug/l	97
94) Hexachlorobutadiene	13.78	225	3850	2.082	ug/l	98
95) Naphthalene	13.83	128	22660	2.056	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	8071	2.173	ug/l	98

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

