

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072019\
 Data File : VX010993.D
 Acq On : 19 Jul 2019 11:34
 Operator : JC/SP
 Sample : K3591-08 L00 5.0 PPB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT3-2019

Manual Integrations
 APPROVED

MMDadoda
 7/22/2019 5:22:39 PM

Quant Time: Jul 20 04:05:06 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	232235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	342305	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	307748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	160640	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	113448	45.92	ug/l	0.00
Spiked Amount 50.000			Recovery =	91.84%		
35) Dibromofluoromethane	5.49	113	99771	45.92	ug/l	0.00
Spiked Amount 50.000			Recovery =	91.84%		
50) Toluene-d8	8.71	98	383678	47.08	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.16%		
62) 4-Bromofluorobenzene	11.13	95	139421	46.55	ug/l	0.00
Spiked Amount 50.000			Recovery =	93.10%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	6519	3.007	ug/l	97
3) Chloromethane	1.32	50	8278	3.876	ug/l	98
4) Vinyl Chloride	1.41	62	8730	4.008	ug/l	94
5) Bromomethane	1.64	94	5674	4.622	ug/l	98
6) Chloroethane	1.72	64	6699	4.839	ug/l	98
7) Trichlorofluoromethane	1.93	101	17324	4.698	ug/l	96
8) Diethyl Ether	2.18	74	6553	5.158	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	10413	4.946	ug/l	97
10) Methyl Iodide	2.51	142	7505	2.716	ug/l	98
11) Tert butyl alcohol	3.04	59	16909	29.387	ug/l	98
12) 1,1-Dichloroethene	2.37	96	9659	4.669	ug/l	95
13) Acrolein	2.29	56	7766	23.361	ug/l	93
14) Allyl chloride	2.72	41	13816	4.598	ug/l	94
15) Acrylonitrile	3.14	53	27794	23.905	ug/l	99
16) Acetone	2.44	43	27876	24.982	ug/l	100
17) Carbon Disulfide	2.57	76	22623	4.264	ug/l	99
18) Methyl Acetate	2.77	43	16126	6.347	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	32811	4.927	ug/l	97
20) Methylene Chloride	2.85	84	12067	5.103	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	11297	5.147	ug/l	96
22) Diisopropyl ether	3.85	45	31487	4.969	ug/l	95
23) Vinyl Acetate	3.81	43	116156	21.633	ug/l	98
24) 1,1-Dichloroethane	3.70	63	17434	4.737	ug/l #	91
25) 2-Butanone	4.67	43	38495	24.032	ug/l	99
26) 2,2-Dichloropropane	4.58	77	14178	4.692	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	12717	5.006	ug/l	99
28) Bromochloromethane	5.01	49	8820	5.086	ug/l	95
29) Tetrahydrofuran	5.13	42	24265	23.915	ug/l	98
30) Chloroform	5.21	83	19891	5.000	ug/l	99
31) Cyclohexane	5.57	56	17132	5.107	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	16556	4.811	ug/l	97
36) 1,1-Dichloropropene	5.79	75	14335	5.098	ug/l	99
37) Ethyl Acetate	4.83	43	13852	4.811	ug/l #	93
38) Carbon Tetrachloride	5.78	117	13941	4.758	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	18527	5.081	ug/l	95
40) Benzene	6.14	78	43910	5.098	ug/l	98
41) Methacrylonitrile	5.04	41	8126	4.972	ug/l	98
42) 1,2-Dichloroethane	6.19	62	15630	5.219	ug/l	98
43) Isopropyl Acetate	6.44	43	23018	4.862	ug/l	100
44) Trichloroethene	7.21	130	12781	5.013	ug/l	87
45) 1,2-Dichloropropane	7.51	63	11009	5.022	ug/l	98
46) Dibromomethane	7.66	93	8047	5.137	ug/l	99
47) Bromodichloromethane	7.89	83	13104	4.699	ug/l	93
48) Methyl methacrylate	7.76	41	11367	4.929	ug/l	95
49) 1,4-Dioxane	7.74	88	6295	97.580	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	75442	24.583	ug/l	99
52) Toluene	8.78	92	29002	5.126	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	12966	4.325	ug/l	94
54) cis-1,3-Dichloropropene	8.43	75	15085	4.522	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	11667	5.008	ug/l	95
56) Ethyl methacrylate	9.18	69	16955	4.975	ug/l	98
57) 1,3-Dichloropropane	9.37	76	19155	5.183	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	40035	24.611	ug/l	99
59) 2-Hexanone	9.49	43	58593	24.616	ug/l	99
60) Dibromochloromethane	9.58	129	10358	4.391	ug/l	99
61) 1,2-Dibromoethane	9.67	107	12094	4.892	ug/l	100
64) Tetrachloroethene	9.34	164	13042	5.387	ug/l	97
65) Chlorobenzene	10.13	112	32372	5.121	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	10481	4.718	ug/l	98
67) Ethyl Benzene	10.25	91	54591	5.074	ug/l	98
68) m/p-Xylenes	10.35	106	42956	10.408	ug/l	99
69) o-Xylene	10.69	106	20875	5.183	ug/l	98
70) Styrene	10.71	104	33546	4.996	ug/l	98
71) Bromoform	10.85	173	7578	4.276	ug/l #	98
73) Isopropylbenzene	11.02	105	56556	5.210	ug/l	100
74) N-amyl acetate	10.90	43	19273	4.647	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.26	83	17962	5.057	ug/l	98
76) 1,2,3-Trichloropropane	11.29	75	14914m	5.145	ug/l	
77) Bromobenzene	11.26	156	15210	5.080	ug/l	98
78) n-propylbenzene	11.35	91	62750	5.232	ug/l	97
79) 2-Chlorotoluene	11.42	91	36943	5.128	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	46556	5.133	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	3885	3.688	ug/l #	84
82) 4-Chlorotoluene	11.51	91	42378	5.054	ug/l	98
83) tert-Butylbenzene	11.77	119	45670	5.126	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	45773	5.007	ug/l	100
85) sec-Butylbenzene	11.94	105	53663	5.141	ug/l	99
86) p-Isopropyltoluene	12.06	119	48430	5.018	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	26432	5.087	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	27547	5.169	ug/l	93
89) n-Butylbenzene	12.38	91	41485	5.025	ug/l	98
90) Hexachloroethane	12.59	117	6160	4.047	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	26899	5.224	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	3237	4.360	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	18010	5.161	ug/l	99
94) Hexachlorobutadiene	13.78	225	8450	4.886	ug/l	97
95) Naphthalene	13.83	128	48043	4.662	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	17800	5.126	ug/l	100

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

