

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030520\
 Data File : VX015105.D
 Acq On : 05 Mar 2020 12:41
 Operator : JC/SP
 Sample : L1161-08 1PPB L00
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Manual Integrations
 APPROVED

MMDadoda
 3/12/2020 2:47:25 PM

Quant Time: Mar 06 04:26:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 06 03:01:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	338857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	535385	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	489993	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	242281	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	212693	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
35) Dibromofluoromethane	5.49	113	166990	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
50) Toluene-d8	8.71	98	633962	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
62) 4-Bromofluorobenzene	11.14	95	215491	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.19	85	3169	1.068	ug/l	97
3) Chloromethane	1.32	50	5361	1.275	ug/l	90
4) Vinyl Chloride	1.40	62	4757	1.116	ug/l	99
5) Bromomethane	1.65	94	3543	1.352	ug/l #	80
6) Chloroethane	1.72	64	3135	1.226	ug/l #	85
7) Trichlorofluoromethane	1.93	101	5093	1.004	ug/l	92
8) Diethyl Ether	2.18	74	3127	1.361	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	3798	1.190	ug/l	94
10) Methyl Iodide	2.50	142	3578	0.993	ug/l #	76
11) Tert butyl alcohol	3.02	59	7835	11.233	ug/l #	79
12) 1,1-Dichloroethene	2.37	96	4177	1.268	ug/l	89
13) Acrolein	2.29	56	4374	6.673	ug/l	95
14) Allyl chloride	2.72	41	6300	1.097	ug/l	94
15) Acrylonitrile	3.14	53	8857	5.099	ug/l	93
16) Acetone	2.44	43	10783	6.623	ug/l	100
17) Carbon Disulfide	2.56	76	9710	1.062	ug/l #	94
18) Methyl Acetate	2.76	43	5187	1.303	ug/l	91
19) Methyl tert-butyl Ether	3.19	73	11124	1.081	ug/l	100
20) Methylene Chloride	2.85	84	5359	1.407	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	4134	1.176	ug/l #	79
22) Diisopropyl ether	3.84	45	10286	0.899	ug/l #	67
23) Vinyl Acetate	3.81	43	45990	4.891	ug/l #	94
24) 1,1-Dichloroethane	3.69	63	6383	1.005	ug/l #	79
25) 2-Butanone	4.67	43	13734	5.762	ug/l #	87
26) 2,2-Dichloropropane	4.57	77	4980m	0.988	ug/l	
27) cis-1,2-Dichloroethene	4.59	96	4110	1.042	ug/l	90
28) Bromochloromethane	5.01	49	3730	1.290	ug/l #	98
29) Tetrahydrofuran	5.14	42	8832	5.748	ug/l #	86
30) Chloroform	5.20	83	6900	1.115	ug/l #	83
31) Cyclohexane	5.57	56	5280	0.932	ug/l #	85
32) 1,1,1-Trichloroethane	5.50	97	5962	1.162	ug/l #	51
36) 1,1-Dichloropropene	5.79	75	5009	1.012	ug/l	90
37) Ethyl Acetate	4.83	43	6249	1.361	ug/l #	73
38) Carbon Tetrachloride	5.79	117	4749	1.017	ug/l #	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	5905	1.022	ug/l	95
40) Benzene	6.14	78	13263	0.903	ug/l	98
41) Methacrylonitrile	5.04	41	3282m	1.190	ug/l	
42) 1,2-Dichloroethane	6.18	62	5252	1.041	ug/l	76
43) Isopropyl Acetate	6.43	43	8930	1.106	ug/l #	84
44) Trichloroethene	7.21	130	4389	1.073	ug/l	93
45) 1,2-Dichloropropane	7.51	63	4539	1.194	ug/l #	77
46) Dibromomethane	7.66	93	2942	1.188	ug/l	90
47) Bromodichloromethane	7.89	83	5517	1.126	ug/l #	85
48) Methyl methacrylate	7.77	41	3385	0.823	ug/l #	70
49) 1,4-Dioxane	7.76	88	2266	25.496	ug/l #	78
51) 4-Methyl-2-Pentanone	8.64	43	20400	4.272	ug/l	96
52) Toluene	8.78	92	9065	1.010	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	4871	0.934	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	6258	1.062	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	3362	0.910	ug/l	98
56) Ethyl methacrylate	9.17	69	3800	0.721	ug/l	93
57) 1,3-Dichloropropane	9.37	76	5837	0.939	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	12717	4.429	ug/l	97
59) 2-Hexanone	9.49	43	16435	4.643	ug/l	93
60) Dibromochloromethane	9.58	129	3524	0.908	ug/l	88
61) 1,2-Dibromoethane	9.67	107	4293	1.106	ug/l	97
64) Tetrachloroethene	9.33	164	4279	1.056	ug/l	94
65) Chlorobenzene	10.13	112	10259	1.043	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.21	131	3369	0.908	ug/l #	59
67) Ethyl Benzene	10.25	91	16447	0.985	ug/l	95
68) m/p-Xylenes	10.35	106	11103	1.747	ug/l	96
69) o-Xylene	10.69	106	6563	1.079	ug/l	72
70) Styrene	10.71	104	7996	0.766	ug/l	90
71) Bromoform	10.85	173	2467	0.858	ug/l #	82
73) Isopropylbenzene	11.01	105	14078	0.910	ug/l	99
74) N-amyl acetate	10.90	43	6427	0.985	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	11.26	83	5347m	1.037	ug/l	
76) 1,2,3-Trichloropropane	11.29	75	4709m	0.974	ug/l	
77) Bromobenzene	11.25	156	4630	1.073	ug/l	91
78) n-propylbenzene	11.35	91	17261	0.976	ug/l	100
79) 2-Chlorotoluene	11.42	91	11244	1.065	ug/l	96
80) 1,3,5-Trimethylbenzene	11.50	105	11708	0.909	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	1579m	0.927	ug/l	
82) 4-Chlorotoluene	11.51	91	12479	1.000	ug/l	97
83) tert-Butylbenzene	11.77	119	10746	0.863	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	11465	0.886	ug/l	97
85) sec-Butylbenzene	11.94	105	12371	0.823	ug/l	97
86) p-Isopropyltoluene	12.06	119	11467	0.828	ug/l	85
87) 1,3-Dichlorobenzene	12.02	146	8076	1.065	ug/l	96
88) 1,4-Dichlorobenzene	12.09	146	8527m	1.089	ug/l	
89) n-Butylbenzene	12.39	91	11149	0.905	ug/l	100
90) Hexachloroethane	12.59	117	2303	0.879	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	7419	0.984	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	1046	1.013	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	5409	1.034	ug/l	98
94) Hexachlorobutadiene	13.78	225	2983	1.111	ug/l	98
95) Naphthalene	13.83	128	11151	0.780	ug/l	96
96) 1,2,3-Trichlorobenzene	14.01	180	5179	0.992	ug/l	92

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

