

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030520\
 Data File : VX015100.D
 Acq On : 05 Mar 2020 10:40
 Operator : JC/SP
 Sample : L1161-07 .2PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2020DL

Manual Integrations
 APPROVED

MMDadoda
 3/6/2020 4:49:44 PM

Quant Time: Mar 06 04:14:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 14:19:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	354465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	550574	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	495824	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	237852	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	205314	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
35) Dibromofluoromethane	5.49	113	162084	46.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.32%	
50) Toluene-d8	8.71	98	606853	45.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.86%	
62) 4-Bromofluorobenzene	11.13	95	204717	43.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.88%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.19	85	1049	0.338	ug/l	99
3) Chloromethane	1.32	50	1535	0.349	ug/l #	59
4) Vinyl Chloride	1.40	62	1519	0.341	ug/l	97
5) Bromomethane	1.65	94	1641	0.599	ug/l	96
6) Chloroethane	1.72	64	560	0.209	ug/l #	42
7) Trichlorofluoromethane	1.93	101	1322	0.249	ug/l	94
8) Diethyl Ether	2.17	74	1162	0.484	ug/l	55
9) 1,1,2-Trichlorotrifluoroet	2.37	101	1325	0.397	ug/l #	77
10) Methyl Iodide	2.52	142	2388	0.633	ug/l #	49
11) Tert butyl alcohol	3.01	59	4442	6.088	ug/l #	90
12) 1,1-Dichloroethene	2.36	96	926	0.269	ug/l #	52
13) Acrolein	2.29	56	1076	1.569	ug/l #	70
14) Allyl chloride	2.72	41	1597	0.266	ug/l #	83
15) Acrylonitrile	3.13	53	2209	1.216	ug/l #	17
16) Acetone	2.44	43	3699	2.172	ug/l	94
17) Carbon Disulfide	2.56	76	5026	0.525	ug/l #	79
18) Methyl Acetate	2.76	43	1668	0.401	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	2551	0.237	ug/l #	78
20) Methylene Chloride	2.85	84	1421	0.357	ug/l	87
21) trans-1,2-Dichloroethene	3.17	96	1455	0.396	ug/l	92
22) Diisopropyl ether	3.84	45	2470	0.206	ug/l #	83
23) Vinyl Acetate	3.81	43	9655	0.982	ug/l #	90
24) 1,1-Dichloroethane	3.69	63	1358	0.204	ug/l #	58
25) 2-Butanone	4.69	43	2880m	1.155	ug/l	
26) 2,2-Dichloropropane	4.58	77	1108	0.210	ug/l	84
27) cis-1,2-Dichloroethene	4.60	96	1890	0.458	ug/l	32
28) Bromochloromethane	5.02	49	717	0.237	ug/l #	64
29) Tetrahydrofuran	5.14	42	643	0.400	ug/l #	66
30) Chloroform	5.21	83	1759	0.272	ug/l #	63
31) Cyclohexane	5.58	56	1431	0.242	ug/l #	53
32) 1,1,1-Trichloroethane	5.48	97	1675m	0.312	ug/l	
36) 1,1-Dichloropropene	5.79	75	1580	0.310	ug/l #	75
37) Ethyl Acetate	4.82	43	1202m	0.255	ug/l	
38) Carbon Tetrachloride	5.77	117	1691m	0.352	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	1808	0.304	ug/l #	46
40) Benzene	6.14	78	3808	0.252	ug/l	91
41) Methacrylonitrile	5.01	41	813	0.287	ug/l #	69
42) 1,2-Dichloroethane	6.19	62	1762	0.340	ug/l #	69
43) Isopropyl Acetate	6.45	43	2328	0.280	ug/l #	86
44) Trichloroethene	7.20	130	1680	0.399	ug/l	86
45) 1,2-Dichloropropane	7.50	63	1585	0.406	ug/l #	44
46) Dibromomethane	7.66	93	1416m	0.556	ug/l	
47) Bromodichloromethane	7.90	83	1712m	0.340	ug/l	
48) Methyl methacrylate	7.77	41	1384	0.327	ug/l #	56
49) 1,4-Dioxane	7.76	88	273	2.987	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	4094	0.834	ug/l #	74
52) Toluene	8.78	92	2230	0.242	ug/l	90
53) t-1,3-Dichloropropene	9.04	75	1580	0.295	ug/l #	61
54) cis-1,3-Dichloropropene	8.43	75	1326	0.219	ug/l #	72
55) 1,1,2-Trichloroethane	9.21	97	1083	0.285	ug/l #	63
56) Ethyl methacrylate	9.17	69	1341	0.247	ug/l #	76
57) 1,3-Dichloropropane	9.37	76	1919m	0.300	ug/l	
58) 2-Chloroethyl Vinyl ether	8.31	63	2721m	0.921	ug/l	
59) 2-Hexanone	9.50	43	4057	1.115	ug/l	97
60) Dibromochloromethane	9.57	129	1171	0.293	ug/l	88
61) 1,2-Dibromoethane	9.67	107	1223m	0.306	ug/l	
64) Tetrachloroethene	9.34	164	1239	0.302	ug/l #	73
65) Chlorobenzene	10.14	112	2875	0.289	ug/l #	75
66) 1,1,1,2-Tetrachloroethane	10.22	131	1126	0.300	ug/l #	58
67) Ethyl Benzene	10.25	91	4214	0.249	ug/l	96
68) m/p-Xylenes	10.35	106	3304	0.514	ug/l	77
69) o-Xylene	10.70	106	1419	0.230	ug/l	79
70) Styrene	10.71	104	2605	0.247	ug/l	93
71) Bromoform	10.84	173	1087	0.373	ug/l #	28
73) Isopropylbenzene	11.01	105	3239	0.213	ug/l	82
74) N-amyl acetate	10.90	43	1570	0.245	ug/l #	75
75) 1,1,2,2-Tetrachloroethane	11.26	83	1307	0.258	ug/l #	46
76) 1,2,3-Trichloropropane	11.29	75	1070m	0.226	ug/l	
77) Bromobenzene	11.25	156	1904	0.450	ug/l	85
78) n-propylbenzene	11.35	91	4721	0.272	ug/l	94
79) 2-Chlorotoluene	11.42	91	3216	0.310	ug/l	90
80) 1,3,5-Trimethylbenzene	11.50	105	2987	0.236	ug/l	67
81) trans-1,4-Dichloro-2-buten	11.07	75	596m	0.357	ug/l	
82) 4-Chlorotoluene	11.51	91	3880	0.317	ug/l	89
83) tert-Butylbenzene	11.77	119	2919	0.239	ug/l #	88
84) 1,2,4-Trimethylbenzene	11.80	105	2740	0.216	ug/l	92
85) sec-Butylbenzene	11.94	105	3845	0.260	ug/l	84
86) p-Isopropyltoluene	12.06	119	3594	0.264	ug/l #	55
87) 1,3-Dichlorobenzene	12.02	146	3034	0.408	ug/l	96
88) 1,4-Dichlorobenzene	12.09	146	3943m	0.513	ug/l	
89) n-Butylbenzene	12.38	91	4549m	0.376	ug/l	
90) Hexachloroethane	12.58	117	1090	0.424	ug/l	86
91) 1,2-Dichlorobenzene	12.38	146	2595	0.351	ug/l	81
92) 1,2-Dibromo-3-Chloropropan	13.01	75	698	0.688	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	2630	0.512	ug/l	88
94) Hexachlorobutadiene	13.77	225	1493	0.566	ug/l	88
95) Naphthalene	13.83	128	5276	0.376	ug/l #	93
96) 1,2,3-Trichlorobenzene	14.01	180	2639	0.515	ug/l #	89

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

