

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX030520\
 Data File : VX015101.D
 Acq On : 05 Mar 2020 11:03
 Operator : JC/SP
 Sample : L1161-07 .5PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Mar 06 04:17:14 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	353904	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	546094	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	500067	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	242980	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	217884	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	
35) Dibromofluoromethane	5.49	113	173026	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
50) Toluene-d8	8.71	98	652269	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
62) 4-Bromofluorobenzene	11.13	95	220808	47.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	1816	0.586	ug/l	90
3) Chloromethane	1.32	50	2730	0.622	ug/l	92
4) Vinyl Chloride	1.40	62	3602	0.809	ug/l	92
5) Bromomethane	1.65	94	2586	0.945	ug/l	100
6) Chloroethane	1.72	64	2098	0.786	ug/l	98
7) Trichlorofluoromethane	1.93	101	3291	0.621	ug/l	94
8) Diethyl Ether	2.18	74	1321	0.551	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	2.39	101	1845	0.554	ug/l #	77
10) Methyl Iodide	2.51	142	2410	0.640	ug/l #	63
11) Tert butyl alcohol	3.01	59	5827	7.999	ug/l #	72
12) 1,1-Dichloroethene	2.37	96	2073	0.603	ug/l	85
13) Acrolein	2.28	56	2128	3.108	ug/l #	76
14) Allyl chloride	2.72	41	4154	0.693	ug/l	92
15) Acrylonitrile	3.14	53	4489	2.474	ug/l	90
16) Acetone	2.44	43	6930	4.076	ug/l	98
17) Carbon Disulfide	2.56	76	6110	0.640	ug/l #	91
18) Methyl Acetate	2.76	43	2961	0.712	ug/l #	69
19) Methyl tert-butyl Ether	3.19	73	6306	0.587	ug/l	92
20) Methylene Chloride	2.85	84	3548	0.892	ug/l #	91
21) trans-1,2-Dichloroethene	3.16	96	2336	0.636	ug/l #	78
22) Diisopropyl ether	3.85	45	5243	0.439	ug/l	87
23) Vinyl Acetate	3.81	43	21972	2.237	ug/l #	93
24) 1,1-Dichloroethane	3.69	63	3619	0.546	ug/l #	82
25) 2-Butanone	4.68	43	7662	3.078	ug/l	93
26) 2,2-Dichloropropane	4.57	77	2760	0.524	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	2784	0.676	ug/l	76
28) Bromochloromethane	5.00	49	2957m	0.979	ug/l	
29) Tetrahydrofuran	5.14	42	3648	2.273	ug/l #	67
30) Chloroform	5.20	83	4091	0.633	ug/l	92
31) Cyclohexane	5.58	56	2176	0.368	ug/l #	87
32) 1,1,1-Trichloroethane	5.50	97	3446m	0.643	ug/l	
36) 1,1-Dichloropropene	5.79	75	3023m	0.599	ug/l	
37) Ethyl Acetate	4.84	43	1745	0.373	ug/l #	79
38) Carbon Tetrachloride	5.78	117	3104	0.651	ug/l #	67

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.47	83	3772	0.640	ug/l #	64
40) Benzene	6.14	78	7636	0.510	ug/l	99
41) Methacrylonitrile	5.03	41	1680	0.597	ug/l #	32
42) 1,2-Dichloroethane	6.19	62	3349	0.651	ug/l #	67
43) Isopropyl Acetate	6.44	43	5031	0.611	ug/l #	73
44) Trichloroethene	7.20	130	3106	0.745	ug/l	77
45) 1,2-Dichloropropane	7.51	63	1918	0.495	ug/l #	81
46) Dibromomethane	7.66	93	2418	0.957	ug/l #	81
47) Bromodichloromethane	7.89	83	2642	0.529	ug/l #	94
48) Methyl methacrylate	7.77	41	1692	0.404	ug/l #	89
49) 1,4-Dioxane	7.75	88	906	9.994	ug/l #	56
51) 4-Methyl-2-Pentanone	8.64	43	10848	2.227	ug/l	98
52) Toluene	8.78	92	5274	0.576	ug/l	92
53) t-1,3-Dichloropropene	9.04	75	2573	0.484	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	2938	0.489	ug/l #	83
55) 1,1,2-Trichloroethane	9.21	97	2158	0.573	ug/l	96
56) Ethyl methacrylate	9.18	69	2208	0.411	ug/l #	72
57) 1,3-Dichloropropane	9.37	76	4052	0.639	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.31	63	6994	2.388	ug/l	98
59) 2-Hexanone	9.49	43	9082	2.516	ug/l	85
60) Dibromochloromethane	9.57	129	2148	0.542	ug/l	97
61) 1,2-Dibromoethane	9.67	107	2392	0.604	ug/l	90
64) Tetrachloroethene	9.33	164	2843	0.688	ug/l	90
65) Chlorobenzene	10.14	112	5625	0.560	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.21	131	2296	0.606	ug/l #	61
67) Ethyl Benzene	10.25	91	9092	0.533	ug/l	94
68) m/p-Xylenes	10.36	106	6379	0.983	ug/l	92
69) o-Xylene	10.70	106	2948	0.475	ug/l	99
70) Styrene	10.71	104	4422	0.415	ug/l #	83
71) Bromoform	10.85	173	1547	0.527	ug/l #	86
73) Isopropylbenzene	11.01	105	6891	0.444	ug/l	90
74) N-amyl acetate	10.90	43	2891	0.442	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.26	83	3363	0.650	ug/l #	94
76) 1,2,3-Trichloropropane	11.29	75	2288m	0.472	ug/l	
77) Bromobenzene	11.25	156	2619	0.605	ug/l	90
78) n-propylbenzene	11.35	91	8377	0.472	ug/l	79
79) 2-Chlorotoluene	11.42	91	6439	0.608	ug/l	96
80) 1,3,5-Trimethylbenzene	11.50	105	5624	0.435	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.07	75	1040m	0.609	ug/l	
82) 4-Chlorotoluene	11.51	91	7526	0.602	ug/l	96
83) tert-Butylbenzene	11.76	119	6069	0.486	ug/l	92
84) 1,2,4-Trimethylbenzene	11.81	105	5855	0.451	ug/l	90
85) sec-Butylbenzene	11.94	105	7749	0.514	ug/l	93
86) p-Isopropyltoluene	12.06	119	5877	0.423	ug/l #	66
87) 1,3-Dichlorobenzene	12.03	146	4937	0.649	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	5590m	0.712	ug/l	
89) n-Butylbenzene	12.38	91	6292	0.509	ug/l	93
90) Hexachloroethane	12.59	117	1599	0.609	ug/l	89
91) 1,2-Dichlorobenzene	12.39	146	4739	0.627	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	983m	0.949	ug/l	

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	3830	0.730	ug/l	88
94) Hexachlorobutadiene	13.78	225	1794	0.666	ug/l	93
95) Naphthalene	13.83	128	6541	0.456	ug/l #	93
96) 1,2,3-Trichlorobenzene	14.01	180	3170	0.605	ug/l	96

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

