

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071420\
 Data File : VX017374.D
 Acq On : 14 Jul 2020 13:26
 Operator : JC/SP
 Sample : L3216-09 .75PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2020

Manual Integrations
 APPROVED

MMDadoda
 7/15/2020 11:43:23 AM

Quant Time: Jul 15 03:03:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 15 02:05:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	315397	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	507942	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	473073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	240574	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	180092	45.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.00%	
35) Dibromofluoromethane	5.46	113	146504	42.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.64%	
50) Toluene-d8	8.70	98	507742	41.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.28%	
62) 4-Bromofluorobenzene	11.12	95	184698	37.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	1527	0.572	ug/l #	47
3) Chloromethane	1.31	50	1981	0.659	ug/l	91
4) Vinyl Chloride	1.40	62	2194	0.738	ug/l	100
5) Bromomethane	1.64	94	2102	1.086	ug/l #	77
6) Chloroethane	1.72	64	1505	0.802	ug/l #	87
7) Trichlorofluoromethane	1.92	101	3257	0.649	ug/l #	83
8) Diethyl Ether	2.17	74	1565	0.883	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	2.36	101	2130	0.745	ug/l	86
10) Methyl Iodide	2.49	142	1995	0.575	ug/l	94
11) Tert butyl alcohol	3.01	59	2686	4.027	ug/l #	88
12) 1,1-Dichloroethene	2.36	96	2276	0.793	ug/l #	76
13) Acrolein	2.27	56	993	2.716	ug/l	93
14) Allyl chloride	2.71	41	3594	0.723	ug/l	99
15) Acrylonitrile	3.12	53	5597	3.462	ug/l	95
16) Acetone	2.42	43	6195	4.387	ug/l	96
17) Carbon Disulfide	2.55	76	6385	0.763	ug/l	98
18) Methyl Acetate	2.75	43	2444	0.701	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	6610	0.678	ug/l #	86
20) Methylene Chloride	2.84	84	3058	0.888	ug/l	96
21) trans-1,2-Dichloroethene	3.14	96	2504	0.763	ug/l	80
22) Diisopropyl ether	3.83	45	6371	0.673	ug/l	97
23) Vinyl Acetate	3.79	43	24137	2.897	ug/l	100
24) 1,1-Dichloroethane	3.67	63	4306	0.773	ug/l #	89
25) 2-Butanone	4.64	43	8073	3.599	ug/l	99
26) 2,2-Dichloropropane	4.54	77	3490	0.674	ug/l	92
27) cis-1,2-Dichloroethene	4.56	96	3022	0.839	ug/l	86
28) Bromochloromethane	4.98	49	2207	0.858	ug/l #	89
29) Tetrahydrofuran	5.10	42	4794	3.302	ug/l	97
30) Chloroform	5.18	83	4116	0.687	ug/l	93
31) Cyclohexane	5.56	56	2953	0.648	ug/l	85
32) 1,1,1-Trichloroethane	5.46	97	3840	0.693	ug/l #	44
36) 1,1-Dichloropropene	5.77	75	3407	0.729	ug/l	98
37) Ethyl Acetate	4.81	43	2957	0.612	ug/l #	94
38) Carbon Tetrachloride	5.76	117	3129	0.572	ug/l #	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.43	83	3316	0.654	ug/l #	91
40) Benzene	6.11	78	8415	0.627	ug/l	91
41) Methacrylonitrile	5.01	41	2343	0.903	ug/l #	83
42) 1,2-Dichloroethane	6.17	62	3771	0.723	ug/l	84
43) Isopropyl Acetate	6.42	43	5054	0.655	ug/l #	91
44) Trichloroethene	7.20	130	2990	0.729	ug/l	99
45) 1,2-Dichloropropane	7.49	63	2220	0.646	ug/l #	84
46) Dibromomethane	7.64	93	1746	0.705	ug/l	93
47) Bromodichloromethane	7.88	83	3438	0.664	ug/l	87
48) Methyl methacrylate	7.74	41	2417	0.652	ug/l #	86
49) 1,4-Dioxane	7.72	88	1013	13.361	ug/l #	72
51) 4-Methyl-2-Pentanone	8.62	43	13003	2.762	ug/l	100
52) Toluene	8.77	92	5516	0.640	ug/l	95
53) t-1,3-Dichloropropene	9.02	75	3444	0.617	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	3488	0.586	ug/l	95
55) 1,1,2-Trichloroethane	9.20	97	2363	0.658	ug/l	90
56) Ethyl methacrylate	9.16	69	2574	0.505	ug/l #	74
57) 1,3-Dichloropropane	9.35	76	3934	0.658	ug/l	91
58) 2-Chloroethyl Vinyl ether	8.29	63	6937	2.678	ug/l	100
59) 2-Hexanone	9.48	43	9707	2.732	ug/l	92
60) Dibromochloromethane	9.57	129	2719	0.619	ug/l	91
61) 1,2-Dibromoethane	9.65	107	2641	0.676	ug/l	99
64) Tetrachloroethene	9.32	164	3220	0.786	ug/l	87
65) Chlorobenzene	10.12	112	6306	0.656	ug/l	92
66) 1,1,1,2-Tetrachloroethane	10.21	131	2639	0.689	ug/l #	64
67) Ethyl Benzene	10.24	91	9121	0.570	ug/l	97
68) m/p-Xylenes	10.34	106	6968	1.144	ug/l	96
69) o-Xylene	10.68	106	3392	0.583	ug/l	89
70) Styrene	10.70	104	5203	0.521	ug/l	94
71) Bromoform	10.84	173	1908	0.591	ug/l #	89
73) Isopropylbenzene	11.01	105	8236	0.546	ug/l	95
74) N-amyl acetate	10.88	43	3170	0.525	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.25	83	2945	0.643	ug/l	93
76) 1,2,3-Trichloropropane	11.28	75	2802m	0.630	ug/l	
77) Bromobenzene	11.24	156	3048	0.710	ug/l	99
78) n-propylbenzene	11.35	91	10641	0.628	ug/l	100
79) 2-Chlorotoluene	11.41	91	6695	0.641	ug/l	97
80) 1,3,5-Trimethylbenzene	11.49	105	6927	0.541	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.05	75	1163m	0.664	ug/l	
82) 4-Chlorotoluene	11.49	91	7863	0.636	ug/l	97
83) tert-Butylbenzene	11.75	119	6819	0.551	ug/l	96
84) 1,2,4-Trimethylbenzene	11.79	105	6686	0.517	ug/l	99
85) sec-Butylbenzene	11.93	105	7657	0.529	ug/l	95
86) p-Isopropyltoluene	12.05	119	7183	0.524	ug/l #	84
87) 1,3-Dichlorobenzene	12.01	146	4886	0.636	ug/l	93
88) 1,4-Dichlorobenzene	12.08	146	5624m	0.724	ug/l	
89) n-Butylbenzene	12.37	91	7076	0.605	ug/l	96
90) Hexachloroethane	12.58	117	1574	0.605	ug/l	94
91) 1,2-Dichlorobenzene	12.37	146	4834	0.669	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.98	75	922	0.763	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	3165	0.631	ug/l	96
94) Hexachlorobutadiene	13.77	225	1506	0.737	ug/l	96
95) Naphthalene	13.82	128	7688	0.522	ug/l #	93
96) 1,2,3-Trichlorobenzene	14.00	180	3234	0.668	ug/l	99

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

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