

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX101920\
 Data File : VX018964.D
 Acq On : 19 Oct 2020 20:38
 Operator : JC/SP
 Sample : L4214-07 .5PPB LOD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2020

Manual Integrations
 APPROVED

MMDadoda
 10/20/2020 4:52:34 PM

Quant Time: Oct 20 10:08:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101920W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 20 10:01:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	85124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	157747	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	135911	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	61429	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	60098	55.27	ug/l	0.00
Spiked Amount			Recovery	=	110.54%	
35) Dibromofluoromethane	5.46	113	47723	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	
50) Toluene-d8	8.70	98	186533	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
62) 4-Bromofluorobenzene	11.12	95	62176	46.30	ug/l	0.00
Spiked Amount			Recovery	=	92.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	368	0.481	ug/l	96
3) Chloromethane	1.31	50	470	0.564	ug/l #	79
4) Vinyl Chloride	1.39	62	597	0.534	ug/l	94
5) Bromomethane	1.64	94	937	1.006	ug/l	90
6) Chloroethane	1.72	64	436	0.541	ug/l #	86
7) Trichlorofluoromethane	1.92	101	1014	0.538	ug/l	86
8) Diethyl Ether	2.17	74	398	0.532	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	2.36	101	558	0.537	ug/l #	85
10) Methyl Iodide	2.50	142	363	0.371	ug/l #	82
11) Tert butyl alcohol	3.01	59	949	3.748	ug/l #	90
12) 1,1-Dichloroethene	2.36	96	662	0.597	ug/l #	76
13) Acrolein	2.28	56	770	4.619	ug/l #	79
14) Allyl chloride	2.71	41	1079	0.807	ug/l #	74
15) Acrylonitrile	3.12	53	1157	2.481	ug/l	96
16) Acetone	2.42	43	1239	2.594	ug/l	89
17) Carbon Disulfide	2.55	76	1934	0.768	ug/l	97
18) Methyl Acetate	2.75	43	865	0.818	ug/l #	81
19) Methyl tert-butyl Ether	3.17	73	1439	0.504	ug/l	91
20) Methylene Chloride	2.84	84	632	0.626	ug/l #	90
21) trans-1,2-Dichloroethene	3.14	96	647	0.637	ug/l	97
22) Diisopropyl ether	3.82	45	1233	0.498	ug/l #	73
23) Vinyl Acetate	3.79	43	5764	2.413	ug/l	100
24) 1,1-Dichloroethane	3.67	63	799	0.471	ug/l #	82
25) 2-Butanone	4.65	43	2112	3.073	ug/l	96
26) 2,2-Dichloropropane	4.57	77	744	0.468	ug/l #	70
27) cis-1,2-Dichloroethene	4.57	96	632	0.536	ug/l	94
28) Bromochloromethane	4.98	49	361	0.506	ug/l #	60
29) Tetrahydrofuran	5.10	42	1238	3.066	ug/l #	74
30) Chloroform	5.18	83	936	0.510	ug/l #	76
31) Cyclohexane	5.56	56	870	0.649	ug/l #	82
32) 1,1,1-Trichloroethane	5.47	97	840	0.507	ug/l #	48
36) 1,1-Dichloropropene	5.78	75	856	0.571	ug/l	94
37) Ethyl Acetate	4.80	43	855	0.577	ug/l #	67
38) Carbon Tetrachloride	5.76	117	792m	0.512	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	905	0.561	ug/l #	82
40) Benzene	6.12	78	1994	0.462	ug/l #	85
41) Methacrylonitrile	5.02	41	507m	0.661	ug/l	
42) 1,2-Dichloroethane	6.16	62	831	0.561	ug/l #	72
43) Isopropyl Acetate	6.41	43	1259	0.527	ug/l #	77
44) Trichloroethene	7.18	130	620	0.520	ug/l	94
45) 1,2-Dichloropropane	7.49	63	548	0.513	ug/l	91
46) Dibromomethane	7.64	93	372	0.487	ug/l	99
47) Bromodichloromethane	7.88	83	689	0.447	ug/l #	77
48) Methyl methacrylate	7.75	41	651	0.588	ug/l #	76
49) 1,4-Dioxane	7.73	88	244	9.618	ug/l #	40
51) 4-Methyl-2-Pentanone	8.62	43	3259	2.349	ug/l	93
52) Toluene	8.76	92	1406	0.504	ug/l	97
53) t-1,3-Dichloropropene	9.02	75	817	0.466	ug/l	93
54) cis-1,3-Dichloropropene	8.42	75	830	0.449	ug/l #	88
55) 1,1,2-Trichloroethane	9.20	97	464	0.424	ug/l #	87
56) Ethyl methacrylate	9.16	69	705	0.419	ug/l #	69
57) 1,3-Dichloropropane	9.35	76	884	0.480	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.29	63	1954	2.106	ug/l	97
59) 2-Hexanone	9.48	43	2517	2.387	ug/l	90
60) Dibromochloromethane	9.57	129	495	0.408	ug/l	90
61) 1,2-Dibromoethane	9.66	107	541	0.456	ug/l	92
64) Tetrachloroethene	9.32	164	554	0.577	ug/l #	89
65) Chlorobenzene	10.12	112	1496	0.526	ug/l	90
66) 1,1,1,2-Tetrachloroethane	10.21	131	493	0.472	ug/l #	60
67) Ethyl Benzene	10.24	91	2475	0.501	ug/l	90
68) m/p-Xylenes	10.34	106	1738	0.908	ug/l	85
69) o-Xylene	10.68	106	791	0.428	ug/l	83
70) Styrene	10.70	104	1399	0.451	ug/l	96
71) Bromoform	10.84	173	285	0.341	ug/l #	93
73) Isopropylbenzene	11.00	105	2216	0.498	ug/l	92
74) N-amyl acetate	10.88	43	1051	0.629	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	11.25	83	730	0.503	ug/l #	91
76) 1,2,3-Trichloropropane	11.27	75	605m	0.453	ug/l	
77) Bromobenzene	11.24	156	615	0.570	ug/l	85
78) n-propylbenzene	11.35	91	2717	0.534	ug/l	97
79) 2-Chlorotoluene	11.40	91	1644	0.554	ug/l	89
80) 1,3,5-Trimethylbenzene	11.49	105	1904	0.513	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.05	75	254m	0.479	ug/l	
82) 4-Chlorotoluene	11.49	91	2051	0.575	ug/l	89
83) tert-Butylbenzene	11.75	119	1695	0.457	ug/l	93
84) 1,2,4-Trimethylbenzene	11.79	105	1887	0.508	ug/l	93
85) sec-Butylbenzene	11.93	105	2212	0.507	ug/l	97
86) p-Isopropyltoluene	12.05	119	2027	0.508	ug/l #	87
87) 1,3-Dichlorobenzene	12.01	146	1145	0.566	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	1303m	0.619	ug/l	
89) n-Butylbenzene	12.37	91	2120	0.583	ug/l	97
90) Hexachloroethane	12.58	117	242	0.372	ug/l	94
91) 1,2-Dichlorobenzene	12.38	146	994	0.511	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.99	75	180	0.546	ug/l	74

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	872	0.647	ug/l	98
94) Hexachlorobutadiene	13.76	225	356	0.635	ug/l	93
95) Naphthalene	13.82	128	2354	0.513	ug/l	98
96) 1,2,3-Trichlorobenzene	14.00	180	740	0.567	ug/l	97

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

