

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102220\
 Data File : VX019017.D
 Acq On : 22 Oct 2020 11:31
 Operator : JC/SP
 Sample : L4214-07 .5PPB LOD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 12:05:48 PM

Quant Time: Oct 23 10:20:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 23 09:59:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	220713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	368688	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	339540	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	162885	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	154015	58.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.52%	
35) Dibromofluoromethane	5.46	113	131305	56.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.50%	
50) Toluene-d8	8.70	98	505734	56.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.56%	
62) 4-Bromofluorobenzene	11.12	95	176604	55.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.48%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.18	85	737	0.335	ug/l	90
3) Chloromethane	1.31	50	926	0.424	ug/l #	80
4) Vinyl Chloride	1.39	62	872	0.338	ug/l #	71
5) Bromomethane	1.64	94	1595	0.606	ug/l	100
6) Chloroethane	1.71	64	651	0.404	ug/l	97
7) Trichlorofluoromethane	1.92	101	1416	0.325	ug/l	93
8) Diethyl Ether	2.17	74	606	0.355	ug/l #	24
9) 1,1,2-Trichlorotrifluoroet	2.37	101	766	0.371	ug/l	92
10) Methyl Iodide	2.49	142	1071	0.411	ug/l #	93
11) Tert butyl alcohol	3.04	59	1253	2.340	ug/l #	77
12) 1,1-Dichloroethene	2.36	96	702	0.327	ug/l #	77
13) Acrolein	2.28	56	832	3.922	ug/l #	68
14) Allyl chloride	2.71	41	870	0.313	ug/l #	68
15) Acrylonitrile	3.12	53	1815	1.753	ug/l	97
16) Acetone	2.43	43	1837	2.040	ug/l	95
17) Carbon Disulfide	2.56	76	2570	0.415	ug/l #	90
18) Methyl Acetate	2.76	43	916	0.410	ug/l #	87
19) Methyl tert-butyl Ether	3.17	73	2173	0.319	ug/l #	91
20) Methylene Chloride	2.84	84	1310	0.523	ug/l #	82
21) trans-1,2-Dichloroethene	3.15	96	929	0.371	ug/l #	75
22) Diisopropyl ether	3.82	45	1585	0.289	ug/l #	42
23) Vinyl Acetate	3.79	43	8346	1.604	ug/l #	86
24) 1,1-Dichloroethane	3.67	63	1184	0.297	ug/l #	92
25) 2-Butanone	4.65	43	2861	2.011	ug/l	94
26) 2,2-Dichloropropane	4.55	77	1191	0.323	ug/l	89
27) cis-1,2-Dichloroethene	4.57	96	1078	0.379	ug/l	92
28) Bromochloromethane	4.99	49	500	0.295	ug/l #	84
29) Tetrahydrofuran	5.10	42	1863	2.191	ug/l #	75
30) Chloroform	5.18	83	1448	0.334	ug/l	94
31) Cyclohexane	5.55	56	1081	0.349	ug/l #	78
32) 1,1,1-Trichloroethane	5.48	97	1285	0.327	ug/l #	49
36) 1,1-Dichloropropene	5.78	75	1393	0.421	ug/l #	87
37) Ethyl Acetate	4.81	43	1074	0.380	ug/l #	74
38) Carbon Tetrachloride	5.76	117	1143	0.329	ug/l #	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	1427	0.385	ug/l	97
40) Benzene	6.12	78	3269	0.336	ug/l	95
41) Methacrylonitrile	5.02	41	863m	0.569	ug/l	
42) 1,2-Dichloroethane	6.17	62	1414	0.425	ug/l	91
43) Isopropyl Acetate	6.42	43	1816	0.380	ug/l #	87
44) Trichloroethene	7.20	130	1003	0.353	ug/l	87
45) 1,2-Dichloropropane	7.49	63	732	0.313	ug/l	100
46) Dibromomethane	7.64	93	554	0.311	ug/l	95
47) Bromodichloromethane	7.87	83	1112	0.319	ug/l #	70
48) Methyl methacrylate	7.76	41	1137	0.483	ug/l #	76
49) 1,4-Dioxane	7.76	88	375	7.044	ug/l #	62
51) 4-Methyl-2-Pentanone	8.62	43	4414	1.566	ug/l	95
52) Toluene	8.76	92	2130	0.331	ug/l	97
53) t-1,3-Dichloropropene	9.02	75	1309	0.332	ug/l	92
54) cis-1,3-Dichloropropene	8.41	75	1210	0.291	ug/l #	92
55) 1,1,2-Trichloroethane	9.20	97	814	0.310	ug/l	89
56) Ethyl methacrylate	9.16	69	1071	0.284	ug/l #	36
57) 1,3-Dichloropropane	9.35	76	1335	0.321	ug/l	93
58) 2-Chloroethyl Vinyl ether	8.29	63	3480	1.755	ug/l	96
59) 2-Hexanone	9.48	43	3220	1.533	ug/l	96
60) Dibromochloromethane	9.56	129	849	0.297	ug/l	99
61) 1,2-Dibromoethane	9.66	107	810	0.289	ug/l	100
64) Tetrachloroethene	9.32	164	1169	0.452	ug/l #	80
65) Chlorobenzene	10.12	112	2467	0.346	ug/l #	85
66) 1,1,1,2-Tetrachloroethane	10.20	131	771	0.304	ug/l #	63
67) Ethyl Benzene	10.24	91	3649	0.297	ug/l	96
68) m/p-Xylenes	10.34	106	2894	0.615	ug/l	100
69) o-Xylene	10.68	106	1371	0.305	ug/l	95
70) Styrene	10.70	104	2187	0.286	ug/l #	93
71) Bromoform	10.85	173	570	0.279	ug/l #	97
73) Isopropylbenzene	11.00	105	3449	0.294	ug/l	99
74) N-amyl acetate	10.88	43	1317	0.351	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.25	83	1106	0.313	ug/l #	96
76) 1,2,3-Trichloropropane	11.28	75	1110m	0.341	ug/l	
77) Bromobenzene	11.24	156	981	0.331	ug/l	86
78) n-propylbenzene	11.34	91	4078	0.307	ug/l	97
79) 2-Chlorotoluene	11.40	91	2485	0.321	ug/l	98
80) 1,3,5-Trimethylbenzene	11.49	105	2820	0.291	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.05	75	394m	0.308	ug/l	
82) 4-Chlorotoluene	11.49	91	3178	0.345	ug/l	98
83) tert-Butylbenzene	11.76	119	2814	0.295	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	2928	0.302	ug/l	95
85) sec-Butylbenzene	11.93	105	3361	0.291	ug/l	99
86) p-Isopropyltoluene	12.05	119	3277	0.311	ug/l #	80
87) 1,3-Dichlorobenzene	12.01	146	1963	0.362	ug/l	96
88) 1,4-Dichlorobenzene	12.08	146	2069m	0.371	ug/l	
89) n-Butylbenzene	12.37	91	3324	0.345	ug/l	92
90) Hexachloroethane	12.58	117	418	0.259	ug/l	99
91) 1,2-Dichlorobenzene	12.38	146	1813	0.358	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.98	75	273	0.340	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	1269	0.343	ug/l	90
94) Hexachlorobutadiene	13.76	225	557	0.324	ug/l	92
95) Naphthalene	13.82	128	3096	0.266	ug/l	97
96) 1,2,3-Trichlorobenzene	14.00	180	1155	0.320	ug/l	97

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

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