

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX101519\
 Data File : VX013072.D
 Acq On : 15 Oct 2019 12:58
 Operator : JC/SP
 Sample : K5111-08 1.0PPB LOQ
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOQ-WATER-02-QT4-2019

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 9:57:54 AM

Quant Time: Oct 16 07:07:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 07:02:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	168944	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	285028	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	249535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	108642	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	103191	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
35) Dibromofluoromethane	5.49	113	80189	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
50) Toluene-d8	8.71	98	300457	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	
62) 4-Bromofluorobenzene	11.14	95	110381	44.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	1773	1.030	ug/l	94
3) Chloromethane	1.32	50	2003	1.069	ug/l	96
4) Vinyl Chloride	1.40	62	1777	0.919	ug/l	96
5) Bromomethane	1.64	94	1534	1.908	ug/l #	72
6) Chloroethane	1.72	64	1468	1.289	ug/l	90
7) Trichlorofluoromethane	1.92	101	2879	1.103	ug/l	90
8) Diethyl Ether	2.18	74	1144	1.086	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	2.37	101	2056	1.217	ug/l	93
10) Methyl Iodide	2.50	142	2165	1.302	ug/l	96
11) Tert butyl alcohol	3.01	59	5842	10.437	ug/l #	86
12) 1,1-Dichloroethene	2.37	96	1811	1.061	ug/l #	83
13) Acrolein	2.28	56	1647	4.140	ug/l	98
14) Allyl chloride	2.72	41	3279	1.078	ug/l	93
15) Acrylonitrile	3.13	53	5530	5.213	ug/l	96
16) Acetone	2.43	43	5376	4.830	ug/l	99
17) Carbon Disulfide	2.56	76	5282	1.085	ug/l #	90
18) Methyl Acetate	2.76	43	2784	1.055	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	6132	1.040	ug/l	97
20) Methylene Chloride	2.85	84	2367	1.157	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	1899	1.038	ug/l	89
22) Diisopropyl ether	3.84	45	6081	1.044	ug/l #	45
23) Vinyl Acetate	3.81	43	22591	4.492	ug/l #	93
24) 1,1-Dichloroethane	3.69	63	3570	1.089	ug/l	94
25) 2-Butanone	4.67	43	7465	4.834	ug/l	93
26) 2,2-Dichloropropane	4.57	77	2863	1.039	ug/l	90
27) cis-1,2-Dichloroethene	4.58	96	2374	1.126	ug/l	92
28) Bromochloromethane	5.00	49	1104	1.176	ug/l #	97
29) Tetrahydrofuran	5.14	42	4403	4.634	ug/l	96
30) Chloroform	5.19	83	3755	1.117	ug/l	97
31) Cyclohexane	5.56	56	3254	1.062	ug/l #	92
32) 1,1,1-Trichloroethane	5.49	97	2746m	0.964	ug/l	
36) 1,1-Dichloropropene	5.80	75	2747	1.096	ug/l	98
37) Ethyl Acetate	4.83	43	2684	0.958	ug/l #	80
38) Carbon Tetrachloride	5.78	117	2421	0.993	ug/l #	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	3295	1.084	ug/l	91
40) Benzene	6.14	78	8073	1.091	ug/l	98
41) Methacrylonitrile	5.03	41	1581	1.027	ug/l #	84
42) 1,2-Dichloroethane	6.20	62	3085	1.162	ug/l	93
43) Isopropyl Acetate	6.43	43	4019	0.894	ug/l	97
44) Trichloroethene	7.21	130	2185	1.065	ug/l	91
45) 1,2-Dichloropropane	7.51	63	1925	1.020	ug/l	99
46) Dibromomethane	7.66	93	1160	0.923	ug/l	87
47) Bromodichloromethane	7.89	83	2261	0.922	ug/l #	84
48) Methyl methacrylate	7.78	41	2037	0.929	ug/l	95
49) 1,4-Dioxane	7.73	88	969	18.287	ug/l	93
51) 4-Methyl-2-Pentanone	8.64	43	12755	4.549	ug/l	98
52) Toluene	8.78	92	5039	1.064	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	2322	0.855	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	2625	0.870	ug/l #	91
55) 1,1,2-Trichloroethane	9.21	97	2033	1.085	ug/l	90
56) Ethyl methacrylate	9.18	69	2722	0.897	ug/l	97
57) 1,3-Dichloropropane	9.37	76	3401	1.049	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.31	63	5368	3.899	ug/l	99
59) 2-Hexanone	9.49	43	9477	4.342	ug/l	97
60) Dibromochloromethane	9.58	129	1561	0.850	ug/l	78
61) 1,2-Dibromoethane	9.67	107	1780	0.903	ug/l	86
64) Tetrachloroethene	9.34	164	2060	1.190	ug/l #	87
65) Chlorobenzene	10.14	112	5109	1.031	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	1761	1.025	ug/l #	66
67) Ethyl Benzene	10.25	91	8913	1.013	ug/l	98
68) m/p-Xylenes	10.35	106	6387	1.942	ug/l	97
69) o-Xylene	10.70	106	3267	1.019	ug/l	100
70) Styrene	10.71	104	5023	0.921	ug/l	98
71) Bromoform	10.85	173	1002	0.809	ug/l #	84
73) Isopropylbenzene	11.01	105	8180	1.024	ug/l	98
74) N-amyl acetate	10.90	43	3209	0.933	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.26	83	2709	1.020	ug/l	96
76) 1,2,3-Trichloropropane	11.29	75	2263m	0.939	ug/l	
77) Bromobenzene	11.25	156	2306	1.225	ug/l	92
78) n-propylbenzene	11.35	91	9042	1.029	ug/l	95
79) 2-Chlorotoluene	11.42	91	6135	1.111	ug/l	97
80) 1,3,5-Trimethylbenzene	11.50	105	6686	1.002	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.07	75	664m	0.780	ug/l	
82) 4-Chlorotoluene	11.51	91	6571	1.038	ug/l	94
83) tert-Butylbenzene	11.77	119	6387	0.982	ug/l	90
84) 1,2,4-Trimethylbenzene	11.81	105	6282	0.930	ug/l	99
85) sec-Butylbenzene	11.94	105	7239	0.960	ug/l	96
86) p-Isopropyltoluene	12.06	119	6767	0.968	ug/l	93
87) 1,3-Dichlorobenzene	12.03	146	3880	1.110	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	4074m	1.151	ug/l	
89) n-Butylbenzene	12.38	91	5440	0.926	ug/l	99
90) Hexachloroethane	12.59	117	977	0.863	ug/l	91
91) 1,2-Dichlorobenzene	12.39	146	3777	1.102	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	561	0.901	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	2350	1.095	ug/l	87
94) Hexachlorobutadiene	13.77	225	937	0.946	ug/l	94
95) Naphthalene	13.83	128	7181	0.965	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	2342	1.056	ug/l	98

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

