

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032619\
 Data File : VX008464.D
 Acq On : 26 Mar 2019 19:08
 Operator : JC/SP
 Sample : K2088-02MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-104MS

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 10:41:52 AM

Quant Time: Mar 27 03:25:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	191406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	332070	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	294292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	140189	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	140021	48.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.50%	
35) Dibromofluoromethane	5.49	113	103815	47.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.90%	
50) Toluene-d8	8.71	98	413135	47.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.44%	
62) 4-Bromofluorobenzene	11.13	95	154299	48.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.18%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	102244	45.318	ug/l	99
3) Chloromethane	1.32	50	122782	43.034	ug/l	100
4) Vinyl Chloride	1.40	62	143940	45.693	ug/l	99
5) Bromomethane	1.64	94	1227	2.523	ug/l #	77
6) Chloroethane	1.71	64	86506	46.355	ug/l	96
7) Trichlorofluoromethane	1.92	101	165833	46.481	ug/l	99
8) Diethyl Ether	2.18	74	78569	46.533	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	101944	47.280	ug/l	99
10) Methyl Iodide	2.51	142	459	4.330	ug/l #	91
11) Tert butyl alcohol	3.05	59	152955	237.911	ug/l	99
12) 1,1-Dichloroethene	2.37	96	103419	46.443	ug/l	99
13) Acrolein	2.29	56	12091	25.898	ug/l	87
14) Allyl chloride	2.72	41	104779	21.358	ug/l #	88
15) Acrylonitrile	3.14	53	399295	236.855	ug/l	100
16) Acetone	2.44	43	385609	254.255	ug/l	99
17) Carbon Disulfide	2.57	76	302903	47.391	ug/l	100
18) Methyl Acetate	2.77	43	237949	65.325	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	391446	48.782	ug/l	98
20) Methylene Chloride	2.85	84	125938	50.890	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	110521	49.809	ug/l	99
22) Diisopropyl ether	3.85	45	464167	48.051	ug/l	95
23) Vinyl Acetate	3.81	43	1783060	211.572	ug/l	100
24) 1,1-Dichloroethane	3.70	63	232813	47.739	ug/l	99
25) 2-Butanone	4.67	43	587298	241.546	ug/l	99
26) 2,2-Dichloropropane	4.58	77	134660	41.515	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	130006	47.744	ug/l	98
28) Bromochloromethane	5.02	49	116470	48.340	ug/l	100
29) Tetrahydrofuran	5.12	42	381937	238.341	ug/l	99
30) Chloroform	5.21	83	211429	48.039	ug/l	99
31) Cyclohexane	5.58	56	219733	47.242	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	169479	48.175	ug/l	99
36) 1,1-Dichloropropene	5.80	75	162185	45.807	ug/l	99
37) Ethyl Acetate	4.83	43	213989	46.653	ug/l	100
38) Carbon Tetrachloride	5.78	117	140064	47.403	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	194348	45.931	ug/l	98
40) Benzene	6.14	78	500733	47.240	ug/l	100
41) Methacrylonitrile	5.04	41	124298	48.222	ug/l	99
42) 1,2-Dichloroethane	6.19	62	177391	45.709	ug/l	100
43) Isopropyl Acetate	6.45	43	348772	47.539	ug/l	100
44) Trichloroethene	7.21	130	114737	46.102	ug/l	100
45) 1,2-Dichloropropane	7.51	63	143682	47.690	ug/l	97
46) Dibromomethane	7.66	93	81654	46.412	ug/l	99
47) Bromodichloromethane	7.90	83	162598	48.284	ug/l	100
48) Methyl methacrylate	7.77	41	182619	49.747	ug/l	99
49) 1,4-Dioxane	7.74	88	64126	878.550	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1187416	249.186	ug/l	100
52) Toluene	8.78	92	304369	48.024	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	45027	12.207	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	3613	0.861	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	122586	47.515	ug/l	99
56) Ethyl methacrylate	9.18	69	222655	47.811	ug/l	99
57) 1,3-Dichloropropane	9.37	76	217723	47.069	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	575248	238.962	ug/l	99
59) 2-Hexanone	9.49	43	925820	250.742	ug/l	100
60) Dibromochloromethane	9.58	129	116421	47.450	ug/l	98
61) 1,2-Dibromoethane	9.67	107	123215	46.799	ug/l	100
64) Tetrachloroethene	9.34	164	103644	52.021	ug/l	99
65) Chlorobenzene	10.14	112	300846	47.007	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	107774	48.810	ug/l	100
67) Ethyl Benzene	10.25	91	578184	47.869	ug/l	100
68) m/p-Xylenes	10.36	106	418518	95.245	ug/l	100
69) o-Xylene	10.69	106	207513	48.664	ug/l	99
70) Styrene	10.71	104	359840	48.853	ug/l	100
71) Bromoform	10.85	173	84790	48.625	ug/l #	100
73) Isopropylbenzene	11.02	105	537478	47.126	ug/l	100
74) N-amyl acetate	10.90	43	306449	46.422	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	211808	47.865	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	163615m	39.258	ug/l	
77) Bromobenzene	11.26	156	127984	46.237	ug/l	99
78) n-propylbenzene	11.36	91	636698	47.656	ug/l	100
79) 2-Chlorotoluene	11.42	91	380201	46.787	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	456340	47.328	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.02	75	6464	4.968	ug/l #	64
82) 4-Chlorotoluene	11.51	91	437045	46.625	ug/l	99
83) tert-Butylbenzene	11.77	119	423358	45.509	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	456811	46.840	ug/l	99
85) sec-Butylbenzene	11.94	105	518545	46.808	ug/l	100
86) p-Isopropyltoluene	12.06	119	464494	47.517	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	231771	46.864	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	231329	46.347	ug/l	100
89) n-Butylbenzene	12.38	91	432843	46.743	ug/l	100
90) Hexachloroethane	12.60	117	74825	45.947	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	237209	47.895	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	46839	48.544	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	158015	47.389	ug/l	99
94) Hexachlorobutadiene	13.78	225	72366	45.706	ug/l	99
95) Naphthalene	13.83	128	545247	47.696	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	158398	47.274	ug/l	99

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

