

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031919\
 Data File : VX008187.D
 Acq On : 19 Mar 2019 13:16
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX031919

Manual Integrations
 APPROVED

MMDadoda
 3/20/2019 10:28:27 AM

Quant Time: Mar 20 07:24:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 13:15:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	368260	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	597979	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	533617	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	254730	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	278760	50.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.52%	
35) Dibromofluoromethane	5.50	113	210416	52.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.12%	
50) Toluene-d8	8.71	98	810822	53.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.84%	
62) 4-Bromofluorobenzene	11.13	95	289584	55.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.82%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	245781	55.049	ug/l	100
3) Chloromethane	1.33	50	277612	49.553	ug/l	99
4) Vinyl Chloride	1.41	62	283978	50.839	ug/l	99
5) Bromomethane	1.64	94	248764	52.282	ug/l	99
6) Chloroethane	1.72	64	171339	48.922	ug/l	98
7) Trichlorofluoromethane	1.93	101	354309	49.703	ug/l	97
8) Diethyl Ether	2.19	74	198653	54.164	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	261131	55.173	ug/l	91
10) Methyl Iodide	2.51	142	326259	54.139	ug/l	97
11) Tert butyl alcohol	3.05	59	311224	262.122	ug/l	99
12) 1,1-Dichloroethene	2.37	96	239737	53.653	ug/l	91
13) Acrolein	2.29	56	221153	265.164	ug/l	99
14) Allyl chloride	2.73	41	532523	54.748	ug/l	93
15) Acrylonitrile	3.14	53	828954	263.956	ug/l	99
16) Acetone	2.45	43	852283	270.938	ug/l	97
17) Carbon Disulfide	2.57	76	758846	52.001	ug/l	100
18) Methyl Acetate	2.78	43	399066	54.798	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	884271	54.733	ug/l	97
20) Methylene Chloride	2.86	84	272453	51.941	ug/l	94
21) trans-1,2-Dichloroethene	3.17	96	256004	53.034	ug/l	91
22) Diisopropyl ether	3.85	45	1038643	54.521	ug/l #	81
23) Vinyl Acetate	3.82	43	4580074	280.424	ug/l	98
24) 1,1-Dichloroethane	3.70	63	524355	53.517	ug/l	98
25) 2-Butanone	4.67	43	1263723	272.152	ug/l	97
26) 2,2-Dichloropropane	4.59	77	414276	56.127	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	294394	53.498	ug/l	90
28) Bromochloromethane	5.02	49	214570	48.770	ug/l #	81
29) Tetrahydrofuran	5.13	42	791413	272.641	ug/l	97
30) Chloroform	5.21	83	490845	53.556	ug/l	98
31) Cyclohexane	5.58	56	524107	56.964	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	417413	54.749	ug/l	96
36) 1,1-Dichloropropene	5.80	75	394601	56.679	ug/l	96
37) Ethyl Acetate	4.83	43	465229	56.529	ug/l	98
38) Carbon Tetrachloride	5.79	117	350449	56.495	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	499824	59.658	ug/l	94
40) Benzene	6.14	78	1148655	55.743	ug/l	99
41) Methacrylonitrile	5.04	41	264500	57.296	ug/l	96
42) 1,2-Dichloroethane	6.20	62	411271	54.483	ug/l	96
43) Isopropyl Acetate	6.45	43	759062	57.542	ug/l	97
44) Trichloroethene	7.21	130	275465	54.673	ug/l	89
45) 1,2-Dichloropropane	7.51	63	318022	55.131	ug/l	100
46) Dibromomethane	7.66	93	188856	54.073	ug/l	87
47) Bromodichloromethane	7.90	83	377118	56.657	ug/l	98
48) Methyl methacrylate	7.77	41	398111	56.758	ug/l	93
49) 1,4-Dioxane	7.74	88	132564	1070.998	ug/l	94
51) 4-Methyl-2-Pentanone	8.64	43	2361800	276.939	ug/l	98
52) Toluene	8.79	92	683838	55.938	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	442909	53.044	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	482932	58.461	ug/l	92
55) 1,1,2-Trichloroethane	9.21	97	275903	55.859	ug/l	98
56) Ethyl methacrylate	9.18	69	464770	53.607	ug/l #	91
57) 1,3-Dichloropropane	9.37	76	488473	55.905	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	1108118	273.820	ug/l	93
59) 2-Hexanone	9.49	43	1814245	276.321	ug/l	97
60) Dibromochloromethane	9.58	129	276915	58.337	ug/l	99
61) 1,2-Dibromoethane	9.67	107	288477	55.935	ug/l	99
64) Tetrachloroethene	9.34	164	264525	54.946	ug/l	96
65) Chlorobenzene	10.13	112	721145	54.923	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	259000	56.575	ug/l	99
67) Ethyl Benzene	10.25	91	1316549	56.900	ug/l	98
68) m/p-Xylenes	10.36	106	978041	115.070	ug/l	94
69) o-Xylene	10.70	106	467672	56.626	ug/l	94
70) Styrene	10.71	104	768416	57.249	ug/l	95
71) Bromoform	10.85	173	201508	51.039	ug/l #	100
73) Isopropylbenzene	11.02	105	1266605	55.784	ug/l	98
74) N-amyl acetate	10.90	43	646794	54.371	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	412384	50.651	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	363807m	50.779	ug/l	
77) Bromobenzene	11.26	156	289679	52.767	ug/l	84
78) n-propylbenzene	11.36	91	1511713	57.324	ug/l	95
79) 2-Chlorotoluene	11.42	91	865862	54.703	ug/l	95
80) 1,3,5-Trimethylbenzene	11.51	105	1050073	55.979	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	144022	51.210	ug/l	95
82) 4-Chlorotoluene	11.51	91	1015204	55.118	ug/l	95
83) tert-Butylbenzene	11.77	119	999801	55.826	ug/l	92
84) 1,2,4-Trimethylbenzene	11.80	105	1064322	55.967	ug/l	97
85) sec-Butylbenzene	11.94	105	1263880	56.987	ug/l	96
86) p-Isopropyltoluene	12.06	119	1095102	57.044	ug/l	96
87) 1,3-Dichlorobenzene	12.02	146	533846	54.413	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	533735	52.594	ug/l	98
89) n-Butylbenzene	12.38	91	1060486	58.856	ug/l	97
90) Hexachloroethane	12.60	117	188537	57.665	ug/l	83
91) 1,2-Dichlorobenzene	12.39	146	525993	53.172	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	95053	52.564	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	360002	55.249	ug/l	98
94) Hexachlorobutadiene	13.78	225	179553	56.501	ug/l	100
95) Naphthalene	13.83	128	1145954	55.722	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	351430	54.812	ug/l	98

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

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