

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031820\
 Data File : VX015332.D
 Acq On : 18 Mar 2020 18:34
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 12:01:07 PM

Quant Time: Mar 19 03:48:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 14:57:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	624823	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1083974	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1027109	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	494489	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	345166	44.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.34%	
35) Dibromofluoromethane	5.49	113	333214	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	
50) Toluene-d8	8.71	98	1274004	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
62) 4-Bromofluorobenzene	11.13	95	473372	47.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	285781	41.587	ug/l	98
3) Chloromethane	1.31	50	331840	44.132	ug/l	98
4) Vinyl Chloride	1.40	62	337175	44.235	ug/l	99
5) Bromomethane	1.64	94	125977	53.980	ug/l	99
6) Chloroethane	1.72	64	202305	42.950	ug/l	100
7) Trichlorofluoromethane	1.92	101	440998	43.187	ug/l	97
8) Diethyl Ether	2.18	74	186972	44.190	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	295109	41.984	ug/l	97
10) Methyl Iodide	2.50	142	349681	41.863	ug/l	97
11) Tert butyl alcohol	3.03	59	344211	229.681	ug/l	99
12) 1,1-Dichloroethene	2.37	96	316127	40.053	ug/l	94
13) Acrolein	2.28	56	295692	209.596	ug/l	99
14) Allyl chloride	2.72	41	525609	44.787	ug/l	95
15) Acrylonitrile	3.13	53	889208	225.435	ug/l	99
16) Acetone	2.44	43	646703	222.860	ug/l	99
17) Carbon Disulfide	2.56	76	926544	43.783	ug/l	99
18) Methyl Acetate	2.76	43	360318	44.191	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	1023038	44.701	ug/l	98
20) Methylene Chloride	2.85	84	378883	44.547	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	374199	43.073	ug/l	97
22) Diisopropyl ether	3.84	45	1063964	44.909	ug/l	100
23) Vinyl Acetate	3.80	43	4392228	232.449	ug/l	99
24) 1,1-Dichloroethane	3.69	63	595580	41.181	ug/l	100
25) 2-Butanone	4.66	43	1106791	224.656	ug/l	99
26) 2,2-Dichloropropane	4.58	77	458901	40.831	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	424873	45.095	ug/l	98
28) Bromochloromethane	5.01	49	272973	46.228	ug/l	97
29) Tetrahydrofuran	5.12	42	740506	230.512	ug/l	100
30) Chloroform	5.20	83	615148	42.163	ug/l	95
31) Cyclohexane	5.58	56	552674	46.806	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	534153	44.373	ug/l	98
36) 1,1-Dichloropropene	5.79	75	455824	44.328	ug/l	98
37) Ethyl Acetate	4.82	43	442234	47.381	ug/l	99
38) Carbon Tetrachloride	5.78	117	459691	47.054	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	573192	46.161	ug/l	96
40) Benzene	6.14	78	1457124	46.642	ug/l	99
41) Methacrylonitrile	5.03	41	241674	48.372	ug/l	98
42) 1,2-Dichloroethane	6.19	62	425889	45.216	ug/l	98
43) Isopropyl Acetate	6.44	43	712018	50.277	ug/l	100
44) Trichloroethene	7.20	130	390030	45.488	ug/l	94
45) 1,2-Dichloropropane	7.51	63	355261	48.169	ug/l	100
46) Dibromomethane	7.65	93	241359	46.772	ug/l	97
47) Bromodichloromethane	7.89	83	467779	48.269	ug/l	100
48) Methyl methacrylate	7.76	41	346031	51.055	ug/l	99
49) 1,4-Dioxane	7.73	88	181133	972.695	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	2159103	246.991	ug/l	98
52) Toluene	8.78	92	918298	47.861	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	515268	49.694	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	572852	48.649	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	375592	46.169	ug/l	97
56) Ethyl methacrylate	9.17	69	545362	51.468	ug/l	99
57) 1,3-Dichloropropane	9.37	76	606762	45.480	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	1387638	275.850	ug/l	99
59) 2-Hexanone	9.48	43	1642544	252.804	ug/l	100
60) Dibromochloromethane	9.57	129	394730	49.836	ug/l	98
61) 1,2-Dibromoethane	9.67	107	394586	47.620	ug/l	99
64) Tetrachloroethene	9.33	164	356858	47.766	ug/l	97
65) Chlorobenzene	10.14	112	1009068	46.626	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.21	131	364193	46.579	ug/l	99
67) Ethyl Benzene	10.25	91	1740317	47.207	ug/l	99
68) m/p-Xylenes	10.36	106	1360950	96.827	ug/l	99
69) o-Xylene	10.70	106	659584	48.798	ug/l	98
70) Styrene	10.71	104	1140296	50.608	ug/l	99
71) Bromoform	10.85	173	262067	51.279	ug/l #	99
73) Isopropylbenzene	11.01	105	1740756	46.758	ug/l	99
74) N-amyl acetate	10.89	43	630286	49.527	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	530935	46.059	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	434490m	42.998	ug/l	
77) Bromobenzene	11.25	156	417587	48.284	ug/l	97
78) n-propylbenzene	11.35	91	1972772	47.518	ug/l	98
79) 2-Chlorotoluene	11.42	91	1159989	46.544	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1427075	48.087	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	180076	47.775	ug/l	98
82) 4-Chlorotoluene	11.51	91	1338152	47.253	ug/l	98
83) tert-Butylbenzene	11.76	119	1377330	47.134	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	1472450	47.922	ug/l	99
85) sec-Butylbenzene	11.94	105	1708125	48.222	ug/l	98
86) p-Isopropyltoluene	12.06	119	1553789	49.301	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	781621	47.540	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	784241	45.796	ug/l	100
89) n-Butylbenzene	12.39	91	1372168	46.108	ug/l	99
90) Hexachloroethane	12.59	117	275797	45.356	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	777466	47.144	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	105385	46.235	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	439540	44.489	ug/l	98
94) Hexachlorobutadiene	13.78	225	179046	43.102	ug/l	98
95) Naphthalene	13.83	128	1678698	51.329	ug/l	100
96) 1,2,3-Trichlorobenzene	14.01	180	458825	47.444	ug/l	100

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

