

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071619\
 Data File : VX010903.D
 Acq On : 16 Jul 2019 11:16
 Operator : JC/SP
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 10:45:12 AM

Quant Time: Jul 17 04:35:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 04:02:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	227694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	342298	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	319937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	171880	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	233997	107.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	215.10%	
35) Dibromofluoromethane	5.50	113	211597	100.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.72%	
50) Toluene-d8	8.71	98	793859	99.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.18%	
62) 4-Bromofluorobenzene	11.13	95	307729	105.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	248997	143.792	ug/l	98
3) Chloromethane	1.33	50	219935	115.959	ug/l	99
4) Vinyl Chloride	1.41	62	225742	108.985	ug/l	100
5) Bromomethane	1.64	94	117910	114.867	ug/l	100
6) Chloroethane	1.71	64	137644	111.660	ug/l	97
7) Trichlorofluoromethane	1.92	101	377490	114.930	ug/l	99
8) Diethyl Ether	2.19	74	121208	104.387	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	207446	105.472	ug/l	100
10) Methyl Iodide	2.51	142	307087	110.976	ug/l	99
11) Tert butyl alcohol	3.06	59	269120	482.528	ug/l	99
12) 1,1-Dichloroethene	2.37	96	208142	104.418	ug/l	99
13) Acrolein	2.29	56	157845	433.397	ug/l	99
14) Allyl chloride	2.73	41	310509	109.975	ug/l	99
15) Acrylonitrile	3.15	53	577795	521.550	ug/l	100
16) Acetone	2.45	43	537624	505.700	ug/l	100
17) Carbon Disulfide	2.57	76	560184	105.410	ug/l	100
18) Methyl Acetate	2.78	43	238642	110.176	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	664831	106.429	ug/l	100
20) Methylene Chloride	2.85	84	225296	101.668	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	217232	101.792	ug/l	98
22) Diisopropyl ether	3.86	45	635878	107.609	ug/l	91
23) Vinyl Acetate	3.82	43	2848891	558.862	ug/l	100
24) 1,1-Dichloroethane	3.70	63	363205	106.522	ug/l	99
25) 2-Butanone	4.68	43	824415	526.743	ug/l	100
26) 2,2-Dichloropropane	4.58	77	312057	105.761	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	251208	102.508	ug/l	98
28) Bromochloromethane	5.02	49	165285	101.521	ug/l	100
29) Tetrahydrofuran	5.13	42	510529	523.922	ug/l	100
30) Chloroform	5.21	83	390685	106.353	ug/l	98
31) Cyclohexane	5.58	56	334560	107.401	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	356264	109.833	ug/l	100
36) 1,1-Dichloropropene	5.80	75	289906	105.780	ug/l	99
37) Ethyl Acetate	4.84	43	308315	109.651	ug/l	99
38) Carbon Tetrachloride	5.79	117	317744	108.025	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	375706	104.662	ug/l	99
40) Benzene	6.14	78	870414	102.619	ug/l	99
41) Methacrylonitrile	5.04	41	165411	107.795	ug/l	97
42) 1,2-Dichloroethane	6.20	62	301883	115.256	ug/l	99
43) Isopropyl Acetate	6.45	43	501856	108.261	ug/l	99
44) Trichloroethene	7.21	130	256236	101.186	ug/l	97
45) 1,2-Dichloropropane	7.51	63	217130	101.279	ug/l	100
46) Dibromomethane	7.66	93	162518	105.590	ug/l	99
47) Bromodichloromethane	7.90	83	305591	108.887	ug/l	99
48) Methyl methacrylate	7.77	41	246243	113.951	ug/l	98
49) 1,4-Dioxane	7.74	88	126898	2041.204	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1639292	550.634	ug/l	100
52) Toluene	8.79	92	572343	102.528	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	346665	110.425	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	368179	107.596	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	240875	104.894	ug/l	98
56) Ethyl methacrylate	9.18	69	379121	108.975	ug/l	99
57) 1,3-Dichloropropane	9.37	76	376555	105.205	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	878620	533.586	ug/l	100
59) 2-Hexanone	9.49	43	1273233	543.371	ug/l	100
60) Dibromochloromethane	9.58	129	275523	107.862	ug/l	100
61) 1,2-Dibromoethane	9.67	107	263654	106.223	ug/l	100
64) Tetrachloroethene	9.34	164	234798	91.108	ug/l	97
65) Chlorobenzene	10.14	112	652973	100.739	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	246573	104.481	ug/l	99
67) Ethyl Benzene	10.25	91	1140580	103.648	ug/l	99
68) m/p-Xylenes	10.36	106	873004	205.241	ug/l	100
69) o-Xylene	10.70	106	428856	102.399	ug/l	99
70) Styrene	10.71	104	751860	107.086	ug/l	100
71) Bromoform	10.85	173	221151	109.609	ug/l #	99
73) Isopropylbenzene	11.02	105	1165327	100.209	ug/l	99
74) N-amyl acetate	10.90	43	471958	107.206	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	374685	97.400	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	308710m	98.751	ug/l	
77) Bromobenzene	11.26	156	314041	96.911	ug/l	98
78) n-propylbenzene	11.36	91	1317305	102.981	ug/l	99
79) 2-Chlorotoluene	11.42	91	779605	102.202	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	992122	103.195	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	129105	99.423	ug/l	98
82) 4-Chlorotoluene	11.51	91	913057	105.069	ug/l	99
83) tert-Butylbenzene	11.77	119	976880	101.513	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	998201	103.515	ug/l	100
85) sec-Butylbenzene	11.94	105	1149992	101.770	ug/l	100
86) p-Isopropyltoluene	12.06	119	1076027	102.932	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	560714	98.961	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	560887	97.110	ug/l	99
89) n-Butylbenzene	12.38	91	950116	106.783	ug/l	100
90) Hexachloroethane	12.60	117	183705	103.675	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	543909	96.529	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	87424	104.938	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	389004	99.905	ug/l	99
94) Hexachlorobutadiene	13.78	225	185108	97.446	ug/l	99
95) Naphthalene	13.83	128	1186657	99.816	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	385779	99.871	ug/l	99

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

