

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071619\
 Data File : VX010901.D
 Acq On : 16 Jul 2019 10:30
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 10:45:02 AM

Quant Time: Jul 17 04:20:05 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	225810	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	340487	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	304978	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	157625	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	47454	21.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.98%	
35) Dibromofluoromethane	5.50	113	42396	20.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.64%	
50) Toluene-d8	8.71	98	159670	20.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.08%	
62) 4-Bromofluorobenzene	11.13	95	55707	19.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	50093	29.169	ug/l	98
3) Chloromethane	1.33	50	43305	23.023	ug/l	98
4) Vinyl Chloride	1.41	62	44685	21.753	ug/l	99
5) Bromomethane	1.64	94	27092	26.613	ug/l	100
6) Chloroethane	1.73	64	27567	22.550	ug/l	100
7) Trichlorofluoromethane	1.93	101	73684	22.621	ug/l	99
8) Diethyl Ether	2.19	74	24360	21.154	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	41276	21.161	ug/l	99
10) Methyl Iodide	2.51	142	51994	18.946	ug/l	100
11) Tert butyl alcohol	3.04	59	53556	96.826	ug/l	98
12) 1,1-Dichloroethene	2.37	96	41463	20.974	ug/l	97
13) Acrolein	2.29	56	31191	86.356	ug/l	98
14) Allyl chloride	2.73	41	58558	20.913	ug/l	98
15) Acrylonitrile	3.14	53	112395	102.301	ug/l	99
16) Acetone	2.44	43	116490	110.487	ug/l	99
17) Carbon Disulfide	2.57	76	103668	19.670	ug/l	100
18) Methyl Acetate	2.78	43	47237	21.990	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	128724	20.779	ug/l	98
20) Methylene Chloride	2.85	84	44694	20.337	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	42735	20.192	ug/l	95
22) Diisopropyl ether	3.85	45	122274	20.865	ug/l	98
23) Vinyl Acetate	3.81	43	533881	105.604	ug/l	99
24) 1,1-Dichloroethane	3.70	63	70529	20.857	ug/l	99
25) 2-Butanone	4.67	43	160554	103.439	ug/l	95
26) 2,2-Dichloropropane	4.59	77	56618	19.349	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	49091	20.199	ug/l	98
28) Bromochloromethane	5.02	49	31408	19.452	ug/l	97
29) Tetrahydrofuran	5.13	42	98045	101.456	ug/l	99
30) Chloroform	5.21	83	75122	20.621	ug/l	98
31) Cyclohexane	5.59	56	65424	21.178	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	64979	20.200	ug/l	99
36) 1,1-Dichloropropene	5.81	75	54306	19.920	ug/l	98
37) Ethyl Acetate	4.83	43	57131	20.426	ug/l	96
38) Carbon Tetrachloride	5.79	117	56827	19.422	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	73017	20.449	ug/l	95
40) Benzene	6.14	78	170583	20.218	ug/l	98
41) Methacrylonitrile	5.05	41	31573	20.685	ug/l	98
42) 1,2-Dichloroethane	6.20	62	57115	21.922	ug/l	99
43) Isopropyl Acetate	6.45	43	91179	19.774	ug/l	100
44) Trichloroethene	7.21	130	48939	19.429	ug/l	99
45) 1,2-Dichloropropane	7.51	63	43205	20.260	ug/l	99
46) Dibromomethane	7.66	93	31548	20.606	ug/l	99
47) Bromodichloromethane	7.90	83	53213	19.062	ug/l	97
48) Methyl methacrylate	7.77	41	43535	20.253	ug/l	100
49) 1,4-Dioxane	7.74	88	26591	430.002	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	304908	102.962	ug/l	100
52) Toluene	8.78	92	110179	19.842	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	56467	18.082	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	65292	19.182	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	45440	19.893	ug/l	99
56) Ethyl methacrylate	9.18	69	66695	19.273	ug/l	99
57) 1,3-Dichloropropane	9.37	76	71761	20.156	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	161371	98.522	ug/l	99
59) 2-Hexanone	9.49	43	242974	104.244	ug/l	99
60) Dibromochloromethane	9.58	129	45563	17.932	ug/l	98
61) 1,2-Dibromoethane	9.67	107	49918	20.218	ug/l	99
64) Tetrachloroethene	9.34	164	49371	20.097	ug/l	97
65) Chlorobenzene	10.13	112	123188	19.937	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	43306	19.250	ug/l	98
67) Ethyl Benzene	10.25	91	212162	20.226	ug/l	97
68) m/p-Xylenes	10.36	106	166220	40.995	ug/l	96
69) o-Xylene	10.69	106	78886	19.760	ug/l	100
70) Styrene	10.71	104	133977	20.018	ug/l	99
71) Bromoform	10.85	173	33712	17.528	ug/l #	98
73) Isopropylbenzene	11.02	105	213201	19.992	ug/l	100
74) N-amyl acetate	10.90	43	80539	19.949	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	69305	19.645	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	57846m	20.177	ug/l	
77) Bromobenzene	11.26	156	57039	19.194	ug/l	98
78) n-propylbenzene	11.36	91	238344	20.318	ug/l	99
79) 2-Chlorotoluene	11.42	91	139006	19.871	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	178892	20.290	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	18853	15.832	ug/l	93
82) 4-Chlorotoluene	11.51	91	160759	20.172	ug/l	100
83) tert-Butylbenzene	11.77	119	175072	19.838	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	181584	20.534	ug/l	100
85) sec-Butylbenzene	11.94	105	205523	19.833	ug/l	100
86) p-Isopropyltoluene	12.06	119	190786	19.901	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	100855	19.410	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	101711	19.203	ug/l	98
89) n-Butylbenzene	12.38	91	161202	19.756	ug/l	99
90) Hexachloroethane	12.59	117	28147	17.322	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	100572	19.463	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	14306	18.725	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	68442	19.167	ug/l	99
94) Hexachlorobutadiene	13.78	225	33909	19.465	ug/l	98
95) Naphthalene	13.83	128	210021	19.264	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	67828	19.147	ug/l	98

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

