

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071918\
 Data File : VX003469.D
 Acq On : 19 Jul 2018 16:34
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 5:22:11 PM

Quant Time: Jul 19 17:05:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 15:12:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	314951	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	460752	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	416706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	234943	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	4102	1.23	ug/l	89
3) Chloromethane	1.32	50	5164	1.30	ug/l	98
4) Vinyl Chloride	1.40	62	4596	1.11	ug/l	95
5) Bromomethane	1.64	94	4959	1.99	ug/l	89
6) Chloroethane	1.73	64	2769	1.02	ug/l #	79
7) Trichlorofluoromethane	1.93	101	6313	0.94	ug/l	92
8) Diethyl Ether	2.19	74	2680	1.05	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	2.39	101	4457	1.19	ug/l	93
10) Methyl Iodide	2.52	142	3819	0.83	ug/l	95
11) Tert butyl alcohol	3.07	59	4557	4.61	ug/l #	93
12) 1,1-Dichloroethene	2.37	96	3749	1.07	ug/l	82
13) Acrolein	2.30	56	1964	3.91	ug/l	95
14) Allyl chloride	2.73	41	6279	0.90	ug/l	93
15) Acrylonitrile	3.15	53	10905	5.05	ug/l	99
16) Acetone	2.45	43	8255	3.91	ug/l #	85
17) Carbon Disulfide	2.57	76	13316	1.60	ug/l	96
18) Methyl Acetate	2.78	43	5249	0.93	ug/l	93
19) Methyl tert-butyl Ether	3.20	73	11306	0.86	ug/l	95
20) Methylene Chloride	2.86	84	5978	1.38	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	4497	1.18	ug/l	88
22) Diisopropyl ether	3.87	45	11653	0.92	ug/l #	95
23) Vinyl Acetate	3.82	43	48478	4.58	ug/l #	94
24) 1,1-Dichloroethane	3.70	63	7052	1.03	ug/l	96
25) 2-Butanone	4.71	43	13464	4.86	ug/l #	89
26) 2,2-Dichloropropane	4.59	77	5267	1.07	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	4693	1.21	ug/l #	1
28) Bromochloromethane	5.02	49	3339	1.04	ug/l #	79
29) Tetrahydrofuran	5.17	42	9114	5.01	ug/l	93
30) Chloroform	5.21	83	6695	1.01	ug/l	99
31) Cyclohexane	5.57	56	6074	1.08	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	5576	1.01	ug/l #	51
36) 1,1-Dichloropropene	5.79	75	5821	1.19	ug/l	96
37) Ethyl Acetate	4.86	43	4903	0.89	ug/l #	76
38) Carbon Tetrachloride	5.79	117	5235	1.07	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	6544	1.14	ug/l #	91
40) Benzene	6.15	78	16141	1.10	ug/l	95
41) Methacrylonitrile	5.06	41	3302	1.06	ug/l	96
42) 1,2-Dichloroethane	6.20	62	5036	0.89	ug/l	96
43) Isopropyl Acetate	6.47	43	7864	0.86	ug/l #	92
44) Trichloroethene	7.22	130	4980	1.18	ug/l	95
45) 1,2-Dichloropropane	7.52	63	4153	1.08	ug/l	96
46) Dibromomethane	7.67	93	2597	1.01	ug/l	89
47) Bromodichloromethane	7.90	83	4439	0.97	ug/l #	89
48) Methyl methacrylate	7.78	41	3821	0.81	ug/l	86
49) 1,4-Dioxane	7.76	88	1768	19.91	ug/l #	82
51) 4-Methyl-2-Pentanone	8.65	43	23285	3.95	ug/l	94
52) Toluene	8.79	92	10056	1.07	ug/l	96
53) t-1,3-Dichloropropene	8.44	75	5123	0.96	ug/l	96
54) cis-1,3-Dichloropropene	9.04	75	4546	0.92	ug/l #	88
55) 1,1,2-Trichloroethane	9.22	97	3901	1.03	ug/l	97
56) Ethyl methacrylate	9.18	69	4614	0.79	ug/l #	88
57) 1,3-Dichloropropane	9.37	76	6186	0.97	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	12538	4.45	ug/l	98
59) 2-Hexanone	9.50	43	16575	3.73	ug/l	91
60) Dibromochloromethane	9.59	129	3330	0.91	ug/l	99
61) 1,2-Dibromoethane	9.68	107	3973	1.01	ug/l	100
64) Tetrachloroethene	9.34	164	5859	1.27	ug/l	92
65) Chlorobenzene	10.14	112	12011	1.17	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	3696	1.06	ug/l #	67
67) Ethyl Benzene	10.26	91	17951	1.04	ug/l	95
68) m/p-Xylenes	10.36	106	13581	2.04	ug/l	96
69) o-Xylene	10.70	106	6619	1.01	ug/l	94
70) Styrene	10.71	104	9987	0.93	ug/l	96
71) Bromoform	10.86	173	2440	0.93	ug/l #	94
73) Isopropylbenzene	11.02	105	16765	1.07	ug/l	100
74) N-amyl acetate	6.47	43	7864	1.01	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.27	83	5166	1.11	ug/l	97
76) 1,2,3-Trichloropropane	11.30	75	4574m	1.03	ug/l	
77) Bromobenzene	11.26	156	5252	1.20	ug/l	96
78) n-propylbenzene	11.37	91	18362	1.02	ug/l	97
79) 2-Chlorotoluene	11.43	91	11950	1.11	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	13030	0.98	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	1033	0.88	ug/l #	82
82) 4-Chlorotoluene	11.51	91	14227	1.12	ug/l	99
83) tert-Butylbenzene	11.77	119	13272	1.04	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	13062	0.96	ug/l	99
85) sec-Butylbenzene	11.94	105	16142	1.01	ug/l	98
86) p-Isopropyltoluene	12.07	119	13988	0.97	ug/l	97
87) 1,3-Dichlorobenzene	12.03	146	10201	1.27	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	11415m	1.40	ug/l	
89) n-Butylbenzene	12.39	91	12886	1.01	ug/l	99
90) Hexachloroethane	12.60	117	1967	0.99	ug/l	95
91) 1,2-Dichlorobenzene	12.40	146	9687	1.20	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	911	0.94	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	7440	1.27	ug/l	99
94) Hexachlorobutadiene	13.79	225	3538	1.15	ug/l	97
95) Naphthalene	13.83	128	16363	1.04	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	7035	1.19	ug/l	99

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

