

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX101918\
 Data File : VX005445.D
 Acq On : 19 Oct 2018 09:20
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/22/2018 11:06:47 AM

Quant Time: Oct 20 04:27:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	325256	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	446430	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	388421	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	228489	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	156439	43.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.68%	
35) Dibromofluoromethane	5.50	113	139440	47.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.32%	
50) Toluene-d8	8.72	98	485052	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
62) 4-Bromofluorobenzene	11.14	95	189730	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	123427	48.534	ug/l	95
3) Chloromethane	1.32	50	161789	43.906	ug/l #	88
4) Vinyl Chloride	1.41	62	173056	46.360	ug/l	97
5) Bromomethane	1.64	94	104150	49.408	ug/l	91
6) Chloroethane	1.71	64	103427	46.610	ug/l	96
7) Trichlorofluoromethane	1.92	101	241154	48.411	ug/l	98
8) Diethyl Ether	2.19	74	107401	50.489	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	149391	51.959	ug/l	95
10) Methyl Iodide	2.51	142	184681	58.154	ug/l	100
11) Tert butyl alcohol	3.09	59	245460	241.053	ug/l	100
12) 1,1-Dichloroethene	2.37	96	140962	49.483	ug/l	88
13) Acrolein	2.29	56	138400	212.670	ug/l	99
14) Allyl chloride	2.73	41	291973	46.683	ug/l	97
15) Acrylonitrile	3.15	53	535440	232.043	ug/l	98
16) Acetone	2.45	43	485966	232.835	ug/l	96
17) Carbon Disulfide	2.57	76	369934	42.868	ug/l	98
18) Methyl Acetate	2.78	43	291477	49.087	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	519746	51.804	ug/l	92
20) Methylene Chloride	2.86	84	158156	52.059	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	142510	45.141	ug/l	100
22) Diisopropyl ether	3.87	45	534315	50.863	ug/l	92
23) Vinyl Acetate	3.82	43	2376207	258.796	ug/l #	94
24) 1,1-Dichloroethane	3.69	63	292629	48.605	ug/l	98
25) 2-Butanone	4.70	43	747026	244.624	ug/l	98
26) 2,2-Dichloropropane	4.59	77	245788	54.587	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	172115	50.165	ug/l	99
28) Bromochloromethane	5.01	49	130618	47.591	ug/l	98
29) Tetrahydrofuran	5.16	42	453956	233.047	ug/l	98
30) Chloroform	5.21	83	273379	48.921	ug/l	91
31) Cyclohexane	5.58	56	242916	48.953	ug/l #	82
32) 1,1,1-Trichloroethane	5.49	97	242697	49.913	ug/l	97
36) 1,1-Dichloropropene	5.80	75	198651	45.945	ug/l	99
37) Ethyl Acetate	4.86	43	269489	48.466	ug/l	99
38) Carbon Tetrachloride	5.79	117	205542	47.313	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	236055	50.445	ug/l	97
40) Benzene	6.14	78	593604	45.767	ug/l	98
41) Methacrylonitrile	5.06	41	144666	48.530	ug/l	97
42) 1,2-Dichloroethane	6.19	62	203357	44.404	ug/l	97
43) Isopropyl Acetate	6.46	43	379599	51.250	ug/l	98
44) Trichloroethene	7.21	130	156691	47.281	ug/l	98
45) 1,2-Dichloropropane	7.52	63	156974	49.339	ug/l	98
46) Dibromomethane	7.66	93	97901	46.623	ug/l	97
47) Bromodichloromethane	7.90	83	187540	48.284	ug/l	99
48) Methyl methacrylate	7.77	41	186910	48.655	ug/l	96
49) 1,4-Dioxane	7.76	88	83325	940.408	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1278202	249.229	ug/l	97
52) Toluene	8.79	92	356347	50.219	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	219844	52.301	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	236003	51.817	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	149650	49.793	ug/l	98
56) Ethyl methacrylate	9.18	69	239184	54.591	ug/l	97
57) 1,3-Dichloropropane	9.37	76	247603	49.359	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	663839	270.165	ug/l	96
59) 2-Hexanone	9.50	43	1040404	252.189	ug/l	95
60) Dibromochloromethane	9.59	129	159966	51.491	ug/l	100
61) 1,2-Dibromoethane	9.67	107	154734	49.057	ug/l	99
64) Tetrachloroethene	9.34	164	159787	51.099	ug/l	99
65) Chlorobenzene	10.14	112	415019	50.231	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.22	131	152220	51.700	ug/l	98
67) Ethyl Benzene	10.25	91	701888	52.257	ug/l	97
68) m/p-Xylenes	10.36	106	552052	105.893	ug/l	96
69) o-Xylene	10.70	106	266926	53.089	ug/l	98
70) Styrene	10.71	104	449001	54.294	ug/l	97
71) Bromoform	10.86	173	139153	52.887	ug/l	98
73) Isopropylbenzene	11.02	105	728714	53.649	ug/l	100
74) N-amyl acetate	10.90	43	344303	52.555	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	250357	48.861	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	232161m	52.382	ug/l	
77) Bromobenzene	11.26	156	198391	51.083	ug/l	99
78) n-propylbenzene	11.36	91	840938	53.801	ug/l	99
79) 2-Chlorotoluene	11.42	91	496826	51.901	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	629947	54.158	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	78020	53.488	ug/l	94
82) 4-Chlorotoluene	11.51	91	592308	52.197	ug/l	99
83) tert-Butylbenzene	11.77	119	639085	54.257	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	653407	54.586	ug/l	98
85) sec-Butylbenzene	11.94	105	765781	54.937	ug/l	99
86) p-Isopropyltoluene	12.07	119	699217	55.498	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	375746	51.775	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	381420	51.375	ug/l	99
89) n-Butylbenzene	12.39	91	633200	55.352	ug/l	98
90) Hexachloroethane	12.60	117	111973	51.569	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	377632	50.991	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	59405	47.529	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	300115	55.235	ug/l	99
94) Hexachlorobutadiene	13.79	225	155455	54.172	ug/l	97
95) Naphthalene	13.83	128	881553	55.945	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	299416	53.857	ug/l	99

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

