

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX053118\
 Data File : VX002200.D
 Acq On : 01 Jun 2018 04:41
 Operator : JC/MD
 Sample : VX0531WBS04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBS04

Manual Integrations
 APPROVED

MMDadoda
 6/1/2018 6:37:14 PM

Quant Time: Jun 01 05:18:08 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	181383	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	263530	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	247320	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	162701	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	154576	47.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.36%	
35) Dibromofluoromethane	5.51	113	111933	42.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.94%	
50) Toluene-d8	8.72	98	392153	41.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.20%	
62) 4-Bromofluorobenzene	11.14	95	155777	41.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.46%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	36062	14.440	ug/l	97
3) Chloromethane	1.32	50	51606	18.492	ug/l	97
4) Vinyl Chloride	1.40	62	51147	18.981	ug/l	99
5) Bromomethane	1.64	94	32930	26.089	ug/l	96
6) Chloroethane	1.73	64	34827	21.924	ug/l	99
7) Trichlorofluoromethane	1.93	101	84065	20.774	ug/l	98
8) Diethyl Ether	2.19	74	39023	26.578	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	48623	21.533	ug/l	97
10) Methyl Iodide	2.51	142	56149	18.377	ug/l	97
11) Tert butyl alcohol	3.07	59	91367	143.563	ug/l	99
12) 1,1-Dichloroethene	2.38	96	43807	20.721	ug/l	97
13) Acrolein	2.29	56	21076	76.593	ug/l	97
14) Allyl chloride	2.73	41	97513	21.973	ug/l	97
15) Acrylonitrile	3.15	53	174223	133.124	ug/l	100
16) Acetone	2.45	43	161570	129.124	ug/l	99
17) Carbon Disulfide	2.57	76	96683	15.890	ug/l	98
18) Methyl Acetate	2.78	43	89038	29.062	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	205227	25.809	ug/l	100
20) Methylene Chloride	2.86	84	58874	26.387	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	49109	23.007	ug/l	96
22) Diisopropyl ether	3.87	45	189738	21.019	ug/l	97
23) Vinyl Acetate	3.82	43	883364	118.030	ug/l	98
24) 1,1-Dichloroethane	3.70	63	104075	24.271	ug/l	99
25) 2-Butanone	4.71	43	230752	100.617	ug/l	99
26) 2,2-Dichloropropane	4.59	77	52076	11.999	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	54127	19.634	ug/l	99
28) Bromochloromethane	5.03	49	50922	27.335	ug/l	100
29) Tetrahydrofuran	5.17	42	150834	101.089	ug/l	98
30) Chloroform	5.21	83	95559	19.781	ug/l	97
31) Cyclohexane	5.57	56	75901	16.990	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	75774	16.825	ug/l	98
36) 1,1-Dichloropropene	5.81	75	62317	17.000	ug/l	98
37) Ethyl Acetate	4.86	43	91671	19.183	ug/l	98
38) Carbon Tetrachloride	5.79	117	63550	14.867	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	76218	16.925	ug/l	96
40) Benzene	6.15	78	205067	19.096	ug/l	99
41) Methacrylonitrile	5.07	41	53360	20.352	ug/l	98
42) 1,2-Dichloroethane	6.20	62	89481	20.860	ug/l	99
43) Isopropyl Acetate	6.46	43	153723	19.306	ug/l	99
44) Trichloroethene	7.21	130	56990	18.211	ug/l	99
45) 1,2-Dichloropropane	7.52	63	57035	19.556	ug/l	97
46) Dibromomethane	7.67	93	39535	20.475	ug/l	99
47) Bromodichloromethane	7.90	83	68005	16.518	ug/l	96
48) Methyl methacrylate	7.78	41	77529	19.130	ug/l	97
49) 1,4-Dioxane	7.76	88	30830	431.701	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	496249	103.385	ug/l	99
52) Toluene	8.79	92	128979	18.872	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	78618	16.580	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	72649	15.723	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	59129	20.710	ug/l	99
56) Ethyl methacrylate	9.18	69	91687	18.670	ug/l	98
57) 1,3-Dichloropropane	9.37	76	98251	20.889	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	52129	23.950	ug/l	100
59) 2-Hexanone	9.50	43	370004	99.971	ug/l	100
60) Dibromochloromethane	9.59	129	53808	15.912	ug/l	100
61) 1,2-Dibromoethane	9.68	107	60405	20.163	ug/l	100
64) Tetrachloroethene	9.34	164	64471	18.181	ug/l	97
65) Chlorobenzene	10.14	112	149025	19.019	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	53783	16.998	ug/l	99
67) Ethyl Benzene	10.26	91	249732	18.344	ug/l	100
68) m/p-Xylenes	10.36	106	190505	36.606	ug/l	100
69) o-Xylene	10.70	106	96865	18.641	ug/l	99
70) Styrene	10.71	104	158093	18.345	ug/l	99
71) Bromoform	10.86	173	40357	13.451	ug/l #	99
73) Isopropylbenzene	11.02	105	253960	18.433	ug/l	100
74) N-amyl acetate	6.46	43	153723	19.589	ug/l #	60
75) 1,1,2,2-Tetrachloroethane	11.27	83	84334	21.663	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	77007m	19.705	ug/l	
77) Bromobenzene	11.26	156	70852	19.383	ug/l	97
78) n-propylbenzene	11.37	91	285034	18.472	ug/l	99
79) 2-Chlorotoluene	11.43	91	173574	19.079	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	216493	18.387	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	19401	11.932	ug/l #	78
82) 4-Chlorotoluene	11.51	91	201585	18.522	ug/l	100
83) tert-Butylbenzene	11.77	119	208315	18.029	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	225415	18.526	ug/l	99
85) sec-Butylbenzene	11.95	105	252957	18.213	ug/l	99
86) p-Isopropyltoluene	12.07	119	227881	18.335	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	123537	18.871	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	126977	19.401	ug/l	99
89) n-Butylbenzene	12.39	91	189399	17.985	ug/l	99
90) Hexachloroethane	12.60	117	31014	12.651	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	130738	19.601	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	17888	14.603	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	92810	19.459	ug/l	98
94) Hexachlorobutadiene	13.79	225	45326	17.666	ug/l	98
95) Naphthalene	13.84	128	292052	19.875	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	98333	19.925	ug/l	99

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

