

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX053118\
 Data File : VX002212.D
 Acq On : 01 Jun 2018 11:34
 Operator : JC/MD
 Sample : VX0531WBSD06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0531WBSD06

Manual Integrations
 APPROVED

MMDadoda
 6/1/2018 6:37:17 PM

Quant Time: Jun 01 16:15:23 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	195531	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	273127	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	260118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	171926	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	188964	54.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.14%	
35) Dibromofluoromethane	5.51	113	138091	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
50) Toluene-d8	8.72	98	529770	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	
62) 4-Bromofluorobenzene	11.14	95	200538	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	39834	14.849	ug/l	97
3) Chloromethane	1.32	50	53834	17.894	ug/l	99
4) Vinyl Chloride	1.40	62	55679	19.168	ug/l	100
5) Bromomethane	1.64	94	36411	26.785	ug/l	97
6) Chloroethane	1.73	64	37988	22.184	ug/l	100
7) Trichlorofluoromethane	1.93	101	93999	21.548	ug/l	99
8) Diethyl Ether	2.19	74	39213	24.775	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	54184	22.259	ug/l	97
10) Methyl Iodide	2.51	142	64073	19.453	ug/l	98
11) Tert butyl alcohol	3.07	59	87835	128.027	ug/l	97
12) 1,1-Dichloroethene	2.38	96	46996	20.621	ug/l	96
13) Acrolein	2.29	56	24538	82.722	ug/l	99
14) Allyl chloride	2.73	41	105348	22.021	ug/l	96
15) Acrylonitrile	3.15	53	172195	122.054	ug/l	99
16) Acetone	2.45	43	174939	129.692	ug/l	99
17) Carbon Disulfide	2.57	76	103960	15.849	ug/l	100
18) Methyl Acetate	2.78	43	87535	26.402	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	205264	23.946	ug/l	98
20) Methylene Chloride	2.86	84	59957	24.833	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	52381	22.747	ug/l	94
22) Diisopropyl ether	3.87	45	193120	19.846	ug/l	96
23) Vinyl Acetate	3.82	43	908362	112.588	ug/l	99
24) 1,1-Dichloroethane	3.70	63	108696	23.515	ug/l	98
25) 2-Butanone	4.71	43	235705	95.341	ug/l	98
26) 2,2-Dichloropropane	4.59	77	75097	16.051	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	55471	18.665	ug/l	94
28) Bromochloromethane	5.03	49	48590	23.951	ug/l	100
29) Tetrahydrofuran	5.17	42	151631	94.270	ug/l	99
30) Chloroform	5.22	83	99577	19.121	ug/l	99
31) Cyclohexane	5.58	56	83644	17.368	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	82405	16.973	ug/l	99
36) 1,1-Dichloropropene	5.81	75	67927	17.880	ug/l	97
37) Ethyl Acetate	4.87	43	91006	18.374	ug/l	99
38) Carbon Tetrachloride	5.79	117	69965	15.793	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	84865	18.183	ug/l	99
40) Benzene	6.15	78	215163	19.332	ug/l	99
41) Methacrylonitrile	5.07	41	51029	18.671	ug/l	98
42) 1,2-Dichloroethane	6.20	62	88220	19.843	ug/l	99
43) Isopropyl Acetate	6.47	43	149779	18.149	ug/l	100
44) Trichloroethene	7.21	130	60726	18.723	ug/l	99
45) 1,2-Dichloropropane	7.52	63	57947	19.171	ug/l	97
46) Dibromomethane	7.67	93	39580	19.778	ug/l	98
47) Bromodichloromethane	7.90	83	69155	16.207	ug/l	98
48) Methyl methacrylate	7.78	41	76843	18.295	ug/l	96
49) 1,4-Dioxane	7.76	88	29910	404.102	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	491235	98.744	ug/l	99
52) Toluene	8.79	92	139552	19.702	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	84721	17.239	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	78981	16.493	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	58865	19.893	ug/l	98
56) Ethyl methacrylate	9.18	69	92680	18.209	ug/l	98
57) 1,3-Dichloropropane	9.38	76	98318	20.169	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	199274	88.336	ug/l	100
59) 2-Hexanone	9.50	43	369942	96.442	ug/l	100
60) Dibromochloromethane	9.59	129	55059	15.709	ug/l	100
61) 1,2-Dibromoethane	9.68	107	59688	19.224	ug/l	97
64) Tetrachloroethene	9.34	164	67027	17.972	ug/l	99
65) Chlorobenzene	10.14	112	157865	19.156	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	56987	17.124	ug/l	98
67) Ethyl Benzene	10.26	91	270030	18.859	ug/l	99
68) m/p-Xylenes	10.37	106	207023	37.823	ug/l	98
69) o-Xylene	10.70	106	102766	18.804	ug/l	100
70) Styrene	10.71	104	167516	18.482	ug/l	99
71) Bromoform	10.86	173	40690	12.895	ug/l	99
73) Isopropylbenzene	11.02	105	275368	18.914	ug/l	99
74) N-amyl acetate	6.47	43	149779	17.800	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	85910	20.837	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	86363m	20.913	ug/l	
77) Bromobenzene	11.26	156	74414	19.265	ug/l	97
78) n-propylbenzene	11.37	91	309954	19.009	ug/l	100
79) 2-Chlorotoluene	11.43	91	187302	19.535	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	233515	18.768	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	21336	12.418	ug/l #	81
82) 4-Chlorotoluene	11.51	91	217839	18.942	ug/l	100
83) tert-Butylbenzene	11.77	119	228128	18.685	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	243515	18.940	ug/l	99
85) sec-Butylbenzene	11.95	105	276679	18.852	ug/l	100
86) p-Isopropyltoluene	12.07	119	248226	18.901	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	134626	19.461	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	136205	19.694	ug/l	99
89) n-Butylbenzene	12.39	91	205431	18.460	ug/l	99
90) Hexachloroethane	12.60	117	33736	13.023	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	138190	19.606	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	17879	13.813	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	98888	19.621	ug/l	99
94) Hexachlorobutadiene	13.79	225	49867	18.393	ug/l	99
95) Naphthalene	13.84	128	295653	19.040	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	102117	19.581	ug/l	100

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

