

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052218\
 Data File : VX001893.D
 Acq On : 22 May 2018 15:10
 Operator : JC/MD
 Sample : VX0522WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/24/2018 11:47:44 AM

Quant Time: May 23 01:43:55 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	314180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	395929	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	343544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	224326	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	212400	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
35) Dibromofluoromethane	5.51	113	177951	53.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.52%	
50) Toluene-d8	8.72	98	645639	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	
62) 4-Bromofluorobenzene	11.14	95	218339	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	61508	19.51	ug/l	99
3) Chloromethane	1.32	50	69210	20.32	ug/l	98
4) Vinyl Chloride	1.40	62	71111	19.31	ug/l	99
5) Bromomethane	1.64	94	36794	21.96	ug/l	97
6) Chloroethane	1.72	64	47566	20.51	ug/l	99
7) Trichlorofluoromethane	1.93	101	112780	21.08	ug/l	100
8) Diethyl Ether	2.19	74	45150	20.50	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	69842	21.68	ug/l	99
10) Methyl Iodide	2.51	142	83549	28.19	ug/l	99
11) Tert butyl alcohol	3.08	59	85325	114.12	ug/l	99
12) 1,1-Dichloroethene	2.37	96	60395	19.45	ug/l	95
13) Acrolein	2.30	56	33264	62.73	ug/l	95
14) Allyl chloride	2.73	41	123995	21.60	ug/l	98
15) Acrylonitrile	3.15	53	207598	110.55	ug/l	99
16) Acetone	2.45	43	206993	125.14	ug/l	96
17) Carbon Disulfide	2.57	76	128762	15.90	ug/l	100
18) Methyl Acetate	2.78	43	118049	24.41	ug/l	100
19) Methyl tert-butyl Ether	3.21	73	227303	21.72	ug/l	99
20) Methylene Chloride	2.85	84	71566	20.21	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	64812	18.95	ug/l	93
22) Diisopropyl ether	3.88	45	244308	22.19	ug/l	99
23) Vinyl Acetate	3.83	43	813629	102.56	ug/l	99
24) 1,1-Dichloroethane	3.70	63	130973	21.69	ug/l	99
25) 2-Butanone	4.71	43	307522	121.44	ug/l	99
26) 2,2-Dichloropropane	4.59	77	104344	21.46	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	81305	20.89	ug/l	96
28) Bromochloromethane	5.02	49	63077	23.51	ug/l	96
29) Tetrahydrofuran	5.17	42	189254	114.65	ug/l	98
30) Chloroform	5.22	83	141191	22.26	ug/l	97
31) Cyclohexane	5.57	56	111007	20.97	ug/l	98
32) 1,1,1-Trichloroethane	5.50	97	119973	21.89	ug/l	98
36) 1,1-Dichloropropene	5.80	75	95652	20.99	ug/l	99
37) Ethyl Acetate	4.87	43	111426	23.46	ug/l	99
38) Carbon Tetrachloride	5.79	117	108173	22.66	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	117937	22.15	ug/l	96
40) Benzene	6.15	78	301692	22.47	ug/l	99
41) Methacrylonitrile	5.07	41	64689	23.55	ug/l	97
42) 1,2-Dichloroethane	6.20	62	113889	23.45	ug/l	99
43) Isopropyl Acetate	6.48	43	172057	23.14	ug/l	99
44) Trichloroethene	7.22	130	91879	22.04	ug/l	98
45) 1,2-Dichloropropane	7.52	63	78764	23.90	ug/l	97
46) Dibromomethane	7.67	93	52514	22.70	ug/l	99
47) Bromodichloromethane	7.90	83	101758	23.70	ug/l	93
48) Methyl methacrylate	7.79	41	92407	23.62	ug/l	98
49) 1,4-Dioxane	7.76	88	39020	517.90	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	600867	127.54	ug/l	97
52) Toluene	8.79	92	198735	23.03	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	116525	23.07	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	98593	22.14	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	76693	23.25	ug/l	97
56) Ethyl methacrylate	9.19	69	111254	23.79	ug/l	96
57) 1,3-Dichloropropane	9.38	76	126625	22.93	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	298904	124.23	ug/l	99
59) 2-Hexanone	9.50	43	423858	125.68	ug/l	98
60) Dibromochloromethane	9.59	129	78664	23.29	ug/l	99
61) 1,2-Dibromoethane	9.68	107	77878	22.55	ug/l	100
64) Tetrachloroethene	9.34	164	102366	22.89	ug/l	99
65) Chlorobenzene	10.14	112	209891	22.21	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	78705	23.58	ug/l	100
67) Ethyl Benzene	10.26	91	341587	22.62	ug/l	99
68) m/p-Xylenes	10.37	106	272867	45.79	ug/l	99
69) o-Xylene	10.70	106	132314	23.19	ug/l	100
70) Styrene	10.72	104	218508	23.22	ug/l	100
71) Bromoform	10.87	173	63270	22.10	ug/l #	100
73) Isopropylbenzene	11.02	105	361096	24.44	ug/l	100
74) N-amyl acetate	6.48	43	172057	24.29	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	107684	24.30	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	105724m	24.78	ug/l	
77) Bromobenzene	11.26	156	100804	23.22	ug/l	99
78) n-propylbenzene	11.37	91	398489	23.94	ug/l	100
79) 2-Chlorotoluene	11.43	91	241476	24.26	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	302161	24.93	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	28313	21.78	ug/l	91
82) 4-Chlorotoluene	11.52	91	275292	23.48	ug/l	99
83) tert-Butylbenzene	11.77	119	297379	24.66	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	310982	24.78	ug/l	100
85) sec-Butylbenzene	11.95	105	364717	24.50	ug/l	99
86) p-Isopropyltoluene	12.07	119	334330	24.27	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	184354	22.96	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	187292	22.56	ug/l	99
89) n-Butylbenzene	12.40	91	266331	22.35	ug/l	100
90) Hexachloroethane	12.60	117	52897	24.72	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	185119	23.14	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	23697	25.05	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	138273	21.69	ug/l	100
94) Hexachlorobutadiene	13.79	225	77841	22.74	ug/l	99
95) Naphthalene	13.84	128	384217	23.18	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	143054	22.28	ug/l	99

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

