

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051818\
 Data File : VX001847.D
 Acq On : 19 May 2018 01:34
 Operator : JC/MD
 Sample : VX0518WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0518WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/21/2018 2:40:39 PM

Quant Time: May 19 05:35:36 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	278434	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	368485	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	288410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	186129	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	176418	47.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.54%	
35) Dibromofluoromethane	5.51	113	155920	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
50) Toluene-d8	8.72	98	579273	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
62) 4-Bromofluorobenzene	11.14	95	172772	43.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.18%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	52067	18.63	ug/l	100
3) Chloromethane	1.32	50	63775	21.13	ug/l	98
4) Vinyl Chloride	1.40	62	66026	20.23	ug/l	99
5) Bromomethane	1.64	94	35306	24.06	ug/l	97
6) Chloroethane	1.72	64	42829	20.84	ug/l	97
7) Trichlorofluoromethane	1.93	101	93847	19.79	ug/l	100
8) Diethyl Ether	2.19	74	40179	20.59	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	56678	19.86	ug/l	98
10) Methyl Iodide	2.51	142	67784	25.81	ug/l	98
11) Tert butyl alcohol	3.08	59	78303	118.18	ug/l	99
12) 1,1-Dichloroethene	2.37	96	53389	19.40	ug/l	99
13) Acrolein	2.29	56	38150	81.18	ug/l	99
14) Allyl chloride	2.73	41	102113	20.07	ug/l	96
15) Acrylonitrile	3.15	53	182378	109.59	ug/l	99
16) Acetone	2.45	43	155593	106.15	ug/l	99
17) Carbon Disulfide	2.57	76	119246	16.61	ug/l	100
18) Methyl Acetate	2.78	43	101601	23.71	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	192349	20.74	ug/l	99
20) Methylene Chloride	2.86	84	63427	20.21	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	57855	19.08	ug/l	97
22) Diisopropyl ether	3.88	45	209147	21.43	ug/l	98
23) Vinyl Acetate	3.83	43	673505	95.79	ug/l	99
24) 1,1-Dichloroethane	3.70	63	111803	20.89	ug/l	100
25) 2-Butanone	4.71	43	260620	116.13	ug/l	98
26) 2,2-Dichloropropane	4.59	77	62011	14.39	ug/l	94
27) cis-1,2-Dichloroethene	4.60	96	72025	20.88	ug/l	98
28) Bromochloromethane	5.02	49	57868	24.34	ug/l	99
29) Tetrahydrofuran	5.18	42	165604	113.21	ug/l	100
30) Chloroform	5.22	83	116994	20.81	ug/l	98
31) Cyclohexane	5.57	56	95284	20.31	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	100500	20.69	ug/l	99
36) 1,1-Dichloropropene	5.81	75	81754	19.27	ug/l	100
37) Ethyl Acetate	4.87	43	95936	21.70	ug/l	99
38) Carbon Tetrachloride	5.79	117	88762	19.97	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	95747	19.32	ug/l	97
40) Benzene	6.15	78	265869	21.27	ug/l	99
41) Methacrylonitrile	5.07	41	55089	21.55	ug/l	98
42) 1,2-Dichloroethane	6.21	62	91771	20.30	ug/l	98
43) Isopropyl Acetate	6.48	43	142954	20.66	ug/l	99
44) Trichloroethene	7.22	130	78415	20.21	ug/l	99
45) 1,2-Dichloropropane	7.52	63	65943	21.50	ug/l	99
46) Dibromomethane	7.67	93	44817	20.81	ug/l	99
47) Bromodichloromethane	7.90	83	83414	20.87	ug/l	99
48) Methyl methacrylate	7.79	41	75626	20.77	ug/l	97
49) 1,4-Dioxane	7.76	88	36506	520.62	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	505039	115.18	ug/l	100
52) Toluene	8.79	92	170631	21.25	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	92774	19.73	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	79332	19.14	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	59648	19.43	ug/l	99
56) Ethyl methacrylate	9.19	69	80643	18.52	ug/l	98
57) 1,3-Dichloropropane	9.38	76	96872	18.85	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	246694	110.17	ug/l	99
59) 2-Hexanone	9.51	43	319729	101.87	ug/l	99
60) Dibromochloromethane	9.59	129	60269	19.17	ug/l	99
61) 1,2-Dibromoethane	9.68	107	61405	19.11	ug/l	99
64) Tetrachloroethene	9.34	164	79106	21.07	ug/l	99
65) Chlorobenzene	10.15	112	162870	20.53	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	61393	21.91	ug/l	98
67) Ethyl Benzene	10.26	91	260572	20.55	ug/l	100
68) m/p-Xylenes	10.37	106	207785	41.54	ug/l	100
69) o-Xylene	10.71	106	101224	21.13	ug/l	100
70) Styrene	10.72	104	166844	21.12	ug/l	99
71) Bromoform	10.86	173	48739	20.52	ug/l	99
73) Isopropylbenzene	11.02	105	274703	22.41	ug/l	99
74) N-amyl acetate	6.48	43	142954	24.33	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	83538	22.72	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	80022m	22.61	ug/l	
77) Bromobenzene	11.26	156	78492	21.79	ug/l	99
78) n-propylbenzene	11.37	91	295271	21.38	ug/l	99
79) 2-Chlorotoluene	11.43	91	180280	21.83	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	223858	22.26	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	18575	17.91	ug/l	94
82) 4-Chlorotoluene	11.52	91	204655	21.03	ug/l	99
83) tert-Butylbenzene	11.77	119	221667	22.15	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	232377	22.32	ug/l	100
85) sec-Butylbenzene	11.95	105	269774	21.84	ug/l	100
86) p-Isopropyltoluene	12.07	119	243352	21.29	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	137323	20.62	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	137547	19.97	ug/l	99
89) n-Butylbenzene	12.40	91	181631	18.37	ug/l	99
90) Hexachloroethane	12.60	117	38824	21.87	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	142453	21.46	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	17972	22.90	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	99640	18.83	ug/l	100
94) Hexachlorobutadiene	13.79	225	55707	19.61	ug/l	100
95) Naphthalene	13.84	128	287751	20.93	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	107708	20.22	ug/l	100

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

