

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051518\
 Data File : VX001721.D
 Acq On : 14 May 2018 20:56
 Operator : JC/MD
 Sample : VX0515WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0515WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/16/2018 11:54:10 AM

Quant Time: May 15 05:54:19 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	312469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	427265	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	380502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	247630	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	218152	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
35) Dibromofluoromethane	5.51	113	177974	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
50) Toluene-d8	8.72	98	660133	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
62) 4-Bromofluorobenzene	11.14	95	232337	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	62519	19.94	ug/l	100
3) Chloromethane	1.32	50	72087	21.28	ug/l	97
4) Vinyl Chloride	1.40	62	77338	21.12	ug/l	100
5) Bromomethane	1.64	94	48316	30.08	ug/l	97
6) Chloroethane	1.73	64	50237	21.78	ug/l	99
7) Trichlorofluoromethane	1.93	101	108214	20.34	ug/l	100
8) Diethyl Ether	2.19	74	48327	22.06	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	62544	19.52	ug/l	99
10) Methyl Iodide	2.51	142	30472	10.34	ug/l	99
11) Tert butyl alcohol	3.08	59	85347	114.78	ug/l	99
12) 1,1-Dichloroethene	2.37	96	63742	20.64	ug/l	96
13) Acrolein	2.30	56	54530	103.40	ug/l	98
14) Allyl chloride	2.73	41	120112	21.04	ug/l	99
15) Acrylonitrile	3.15	53	205696	110.14	ug/l	100
16) Acetone	2.45	43	172659	104.96	ug/l	99
17) Carbon Disulfide	2.57	76	159740	19.83	ug/l	99
18) Methyl Acetate	2.78	43	108754	22.61	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	226997	21.81	ug/l	99
20) Methylene Chloride	2.86	84	73809	20.96	ug/l	100
21) trans-1,2-Dichloroethene	3.17	96	69975	20.57	ug/l	97
22) Diisopropyl ether	3.88	45	230916	21.09	ug/l	99
23) Vinyl Acetate	3.83	43	783184	99.26	ug/l	100
24) 1,1-Dichloroethane	3.70	63	124996	20.81	ug/l	99
25) 2-Butanone	4.71	43	278298	110.50	ug/l	98
26) 2,2-Dichloropropane	4.59	77	93522	19.34	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	81526	21.06	ug/l	99
28) Bromochloromethane	5.03	49	54899	20.58	ug/l	99
29) Tetrahydrofuran	5.18	42	179990	109.64	ug/l	99
30) Chloroform	5.22	83	134450	21.31	ug/l	98
31) Cyclohexane	5.57	56	103790	19.72	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	114362	20.98	ug/l	99
36) 1,1-Dichloropropene	5.81	75	94388	19.19	ug/l	99
37) Ethyl Acetate	4.87	43	106878	20.85	ug/l	99
38) Carbon Tetrachloride	5.79	117	101168	19.63	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	107028	18.62	ug/l	96
40) Benzene	6.15	78	293920	20.28	ug/l	98
41) Methacrylonitrile	5.07	41	61570	20.77	ug/l	99
42) 1,2-Dichloroethane	6.20	62	110011	20.99	ug/l	100
43) Isopropyl Acetate	6.48	43	166541	20.76	ug/l	100
44) Trichloroethene	7.22	130	88414	19.66	ug/l	96
45) 1,2-Dichloropropane	7.52	63	73411	20.64	ug/l	99
46) Dibromomethane	7.67	93	50516	20.23	ug/l	99
47) Bromodichloromethane	7.90	83	94942	20.49	ug/l	98
48) Methyl methacrylate	7.79	41	89792	21.26	ug/l	99
49) 1,4-Dioxane	7.76	88	36889	453.71	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	556109	109.38	ug/l	99
52) Toluene	8.79	92	190263	20.43	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	113741	20.86	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	100489	20.91	ug/l	97
55) 1,1,2-Trichloroethane	9.22	97	76378	21.46	ug/l	97
56) Ethyl methacrylate	9.19	69	111364	22.06	ug/l	98
57) 1,3-Dichloropropane	9.38	76	122248	20.51	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	280900	108.18	ug/l	100
59) 2-Hexanone	9.51	43	400070	109.93	ug/l	99
60) Dibromochloromethane	9.59	129	75899	20.82	ug/l	100
61) 1,2-Dibromoethane	9.68	107	79120	21.23	ug/l	100
64) Tetrachloroethene	9.34	164	95753	19.33	ug/l	98
65) Chlorobenzene	10.15	112	206855	19.76	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	74394	20.12	ug/l	99
67) Ethyl Benzene	10.26	91	327545	19.58	ug/l	99
68) m/p-Xylenes	10.37	106	262005	39.70	ug/l	99
69) o-Xylene	10.71	106	127570	20.18	ug/l	100
70) Styrene	10.72	104	213699	20.50	ug/l	100
71) Bromoform	10.86	173	61129	19.66	ug/l	99
73) Isopropylbenzene	11.02	105	335614	20.58	ug/l	99
74) N-amyl acetate	6.48	43	166541	21.30	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	104283	21.32	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	103184m	21.91	ug/l	
77) Bromobenzene	11.26	156	100226	20.92	ug/l	99
78) n-propylbenzene	11.37	91	369772	20.13	ug/l	100
79) 2-Chlorotoluene	11.43	91	224880	20.47	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	277635	20.75	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	26591	19.02	ug/l	93
82) 4-Chlorotoluene	11.52	91	265881	20.54	ug/l	100
83) tert-Butylbenzene	11.77	119	278700	20.93	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	289945	20.93	ug/l	100
85) sec-Butylbenzene	11.95	105	332920	20.26	ug/l	100
86) p-Isopropyltoluene	12.07	119	306823	20.18	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	181401	20.47	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	184101	20.09	ug/l	99
89) n-Butylbenzene	12.40	91	256961	19.54	ug/l	100
90) Hexachloroethane	12.60	117	45491	19.26	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	179765	20.36	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	22742	21.78	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	140244	19.93	ug/l	99
94) Hexachlorobutadiene	13.79	225	72247	19.12	ug/l	99
95) Naphthalene	13.84	128	393112	21.49	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	143204	20.21	ug/l	100

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

