

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041418\
 Data File : VX000870.D
 Acq On : 14 Apr 2018 13:09
 Operator : JC/MD
 Sample : VX0414WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0414WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/16/2018 12:51:34 PM

Quant Time: Apr 16 06:37:10 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	273410	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	362933	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	347074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	241060	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	170677	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
35) Dibromofluoromethane	5.51	113	141099	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
50) Toluene-d8	8.72	98	519478	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
62) 4-Bromofluorobenzene	11.15	95	213245	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	59763	19.36	ug/l	99
3) Chloromethane	1.32	50	49933	18.87	ug/l	99
4) Vinyl Chloride	1.40	62	57630	19.36	ug/l	99
5) Bromomethane	1.64	94	31016	24.47	ug/l	99
6) Chloroethane	1.73	64	34499	19.12	ug/l	99
7) Trichlorofluoromethane	1.93	101	88461	19.70	ug/l	98
8) Diethyl Ether	2.19	74	35526	21.18	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	54860	20.72	ug/l	99
10) Methyl Iodide	2.51	142	27866	19.53	ug/l	99
11) Tert butyl alcohol	3.08	59	69333	113.28	ug/l	99
12) 1,1-Dichloroethene	2.37	96	49121	19.58	ug/l	96
13) Acrolein	2.29	56	14943	50.27	ug/l	99
14) Allyl chloride	2.73	41	90867	19.58	ug/l	98
15) Acrylonitrile	3.15	53	151150	115.83	ug/l	99
16) Acetone	2.45	43	132831	111.73	ug/l	100
17) Carbon Disulfide	2.57	76	125321	16.49	ug/l	99
18) Methyl Acetate	2.78	43	76614	24.90	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	178923	21.41	ug/l	99
20) Methylene Chloride	2.86	84	54937	19.87	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	53507	19.34	ug/l	99
22) Diisopropyl ether	3.88	45	184675	21.66	ug/l	99
23) Vinyl Acetate	3.83	43	816031	108.99	ug/l	99
24) 1,1-Dichloroethane	3.70	63	97478	20.37	ug/l	100
25) 2-Butanone	4.72	43	226617	115.43	ug/l	100
26) 2,2-Dichloropropane	4.59	77	86673	18.25	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	63850	20.33	ug/l	100
28) Bromochloromethane	5.03	49	40076	20.80	ug/l	97
29) Tetrahydrofuran	5.18	42	143217	114.89	ug/l	99
30) Chloroform	5.23	83	104663	20.66	ug/l	97
31) Cyclohexane	5.58	56	87489	19.25	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	95251	19.74	ug/l	100
36) 1,1-Dichloropropene	5.81	75	78953	19.75	ug/l	99
37) Ethyl Acetate	4.87	43	88576	22.70	ug/l	100
38) Carbon Tetrachloride	5.79	117	83847	18.74	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	95569	19.91	ug/l	99
40) Benzene	6.15	78	228404	20.57	ug/l	99
41) Methacrylonitrile	5.07	41	51224	22.72	ug/l	99
42) 1,2-Dichloroethane	6.20	62	88202	21.26	ug/l	100
43) Isopropyl Acetate	6.48	43	145048	21.68	ug/l	100
44) Trichloroethene	7.22	130	69466	20.11	ug/l	98
45) 1,2-Dichloropropane	7.53	63	60527	21.40	ug/l	99
46) Dibromomethane	7.67	93	41266	20.93	ug/l	99
47) Bromodichloromethane	7.90	83	78750	19.79	ug/l	98
48) Methyl methacrylate	7.79	41	74948	21.61	ug/l	99
49) 1,4-Dioxane	7.77	88	31139	446.84	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	455568	115.93	ug/l	100
52) Toluene	8.79	92	149688	20.32	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	95492	20.01	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	91058	19.59	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	62461	21.35	ug/l	98
56) Ethyl methacrylate	9.19	69	96745	21.44	ug/l	99
57) 1,3-Dichloropropane	9.38	76	101544	21.84	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	247414	117.36	ug/l	100
59) 2-Hexanone	9.51	43	350324	115.48	ug/l	100
60) Dibromochloromethane	9.59	129	67832	19.38	ug/l	100
61) 1,2-Dibromoethane	9.68	107	66524	21.44	ug/l	100
64) Tetrachloroethene	9.34	164	73257	21.59	ug/l	99
65) Chlorobenzene	10.15	112	179627	20.57	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	65632	19.97	ug/l	99
67) Ethyl Benzene	10.26	91	298419	20.50	ug/l	100
68) m/p-Xylenes	10.37	106	235072	40.91	ug/l	99
69) o-Xylene	10.71	106	113018	20.41	ug/l	97
70) Styrene	10.72	104	192126	20.58	ug/l	100
71) Bromoform	10.87	173	56245	18.49	ug/l #	100
73) Isopropylbenzene	11.02	105	310566	20.31	ug/l	100
74) N-amyl acetate	6.48	43	145048	21.06	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	94021	21.18	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	89730m	21.58	ug/l	
77) Bromobenzene	11.26	156	89946	20.07	ug/l	99
78) n-propylbenzene	11.37	91	351843	20.11	ug/l	99
79) 2-Chlorotoluene	11.43	91	208107	20.13	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	266255	20.24	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	25795	17.07	ug/l	91
82) 4-Chlorotoluene	11.52	91	251599	20.16	ug/l	100
83) tert-Butylbenzene	11.77	119	271202	20.16	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	275192	20.27	ug/l	99
85) sec-Butylbenzene	11.95	105	325136	20.48	ug/l	100
86) p-Isopropyltoluene	12.07	119	300764	20.32	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	168825	20.35	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	172783	20.32	ug/l	99
89) n-Butylbenzene	12.40	91	266431	20.39	ug/l	100
90) Hexachloroethane	12.60	117	42667	17.03	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	164070	20.49	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	21198	19.06	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	140607	20.58	ug/l	99
94) Hexachlorobutadiene	13.79	225	69982	20.83	ug/l	100
95) Naphthalene	13.84	128	375099	21.38	ug/l	100
96) 1,2,3-Trichlorobenzene	14.03	180	138270	20.83	ug/l	100

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

