

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051618\
 Data File : VX001778.D
 Acq On : 16 May 2018 21:24
 Operator : JC/MD
 Sample : VX0516WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0516WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/17/2018 9:32:25 AM

Quant Time: May 17 04:38:23 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	285289	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	369675	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	316982	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	200507	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	192407	50.32	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.64%		
35) Dibromofluoromethane	5.51	113	162045	51.94	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.88%		
50) Toluene-d8	8.72	98	607296	54.35	ug/l	0.00
Spiked Amount 50.000			Recovery =	108.70%		
62) 4-Bromofluorobenzene	11.14	95	193168	48.02	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.04%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	59711	20.86	ug/l	99
3) Chloromethane	1.32	50	67675	21.88	ug/l	100
4) Vinyl Chloride	1.40	62	71696	21.44	ug/l	100
5) Bromomethane	1.64	94	35681	23.69	ug/l	99
6) Chloroethane	1.72	64	47078	22.35	ug/l	98
7) Trichlorofluoromethane	1.93	101	101985	20.99	ug/l	98
8) Diethyl Ether	2.19	74	43129	21.57	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	62770	21.46	ug/l	98
10) Methyl Iodide	2.51	142	69937	25.99	ug/l	99
11) Tert butyl alcohol	3.08	59	82181	121.05	ug/l	98
12) 1,1-Dichloroethene	2.37	96	58481	20.74	ug/l	99
13) Acrolein	2.30	56	46572	96.72	ug/l	97
14) Allyl chloride	2.73	41	112419	21.57	ug/l	97
15) Acrylonitrile	3.15	53	196075	114.99	ug/l	99
16) Acetone	2.45	43	176454	117.48	ug/l	99
17) Carbon Disulfide	2.57	76	136081	18.50	ug/l	98
18) Methyl Acetate	2.78	43	106198	24.19	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	206288	21.71	ug/l	98
20) Methylene Chloride	2.86	84	70900	22.05	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	63742	20.52	ug/l	98
22) Diisopropyl ether	3.88	45	214166	21.42	ug/l	99
23) Vinyl Acetate	3.83	43	704483	97.79	ug/l	100
24) 1,1-Dichloroethane	3.70	63	118842	21.67	ug/l	100
25) 2-Butanone	4.72	43	270416	117.60	ug/l	98
26) 2,2-Dichloropropane	4.59	77	78430	17.77	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	74735	21.14	ug/l	100
28) Bromochloromethane	5.03	49	58823	24.15	ug/l	99
29) Tetrahydrofuran	5.17	42	172583	115.14	ug/l	100
30) Chloroform	5.22	83	127914	22.21	ug/l	96
31) Cyclohexane	5.57	56	101700	21.16	ug/l	95
32) 1,1,1-Trichloroethane	5.50	97	107933	21.69	ug/l	98
36) 1,1-Dichloropropene	5.81	75	87070	20.46	ug/l	99
37) Ethyl Acetate	4.87	43	99648	22.47	ug/l	99
38) Carbon Tetrachloride	5.79	117	96281	21.60	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	103642	20.84	ug/l	97
40) Benzene	6.15	78	279320	22.28	ug/l	98
41) Methacrylonitrile	5.07	41	57218	22.31	ug/l	99
42) 1,2-Dichloroethane	6.20	62	100077	22.07	ug/l	100
43) Isopropyl Acetate	6.48	43	147993	21.32	ug/l	99
44) Trichloroethene	7.22	130	83871	21.55	ug/l	98
45) 1,2-Dichloropropane	7.53	63	69731	22.66	ug/l	99
46) Dibromomethane	7.67	93	47441	21.96	ug/l	98
47) Bromodichloromethane	7.90	83	89278	22.27	ug/l	99
48) Methyl methacrylate	7.79	41	79976	21.89	ug/l	99
49) 1,4-Dioxane	7.76	88	37218	529.07	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	525517	119.47	ug/l	99
52) Toluene	8.79	92	181961	22.59	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	99021	20.99	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	86433	20.79	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	67320	21.86	ug/l	98
56) Ethyl methacrylate	9.19	69	90875	20.81	ug/l	99
57) 1,3-Dichloropropane	9.38	76	109528	21.24	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	250355	111.44	ug/l	99
59) 2-Hexanone	9.51	43	357583	113.56	ug/l	100
60) Dibromochloromethane	9.59	129	67817	21.50	ug/l	99
61) 1,2-Dibromoethane	9.68	107	69343	21.51	ug/l	100
64) Tetrachloroethene	9.34	164	92275	22.36	ug/l	98
65) Chlorobenzene	10.14	112	184569	21.17	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	68352	22.20	ug/l	100
67) Ethyl Benzene	10.26	91	294700	21.15	ug/l	99
68) m/p-Xylenes	10.37	106	238391	43.36	ug/l	98
69) o-Xylene	10.71	106	116835	22.19	ug/l	98
70) Styrene	10.72	104	190471	21.93	ug/l	100
71) Bromoform	10.87	173	52895	20.30	ug/l	99
73) Isopropylbenzene	11.02	105	312986	23.70	ug/l	100
74) N-amyl acetate	6.48	43	147993	23.38	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	92548	23.36	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	90470m	23.73	ug/l	
77) Bromobenzene	11.26	156	89274	23.01	ug/l	99
78) n-propylbenzene	11.37	91	334969	22.52	ug/l	100
79) 2-Chlorotoluene	11.43	91	207616	23.34	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	256902	23.72	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	22116	19.45	ug/l	92
82) 4-Chlorotoluene	11.52	91	235170	22.44	ug/l	100
83) tert-Butylbenzene	11.77	119	248229	23.03	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	264835	23.61	ug/l	99
85) sec-Butylbenzene	11.95	105	306510	23.03	ug/l	100
86) p-Isopropyltoluene	12.07	119	277258	22.52	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	156794	21.85	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	158276	21.33	ug/l	99
89) n-Butylbenzene	12.40	91	210605	19.78	ug/l	99
90) Hexachloroethane	12.60	117	43088	22.53	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	162014	22.66	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.01	75	19183	22.69	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	111058	19.49	ug/l	99
94) Hexachlorobutadiene	13.79	225	61781	20.19	ug/l	99
95) Naphthalene	13.84	128	325744	21.99	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	119717	20.86	ug/l	100

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

