

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052218\
 Data File : VX001917.D
 Acq On : 23 May 2018 02:19
 Operator : JC/MD
 Sample : VX0522WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBSD02

Manual Integrations
 APPROVED

MMDadoda
 5/24/2018 11:47:49 AM

Quant Time: May 23 03:44:58 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	245310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	323109	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	271476	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	182645	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	172174	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
35) Dibromofluoromethane	5.51	113	144853	53.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.24%	
50) Toluene-d8	8.72	98	528595	54.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.26%	
62) 4-Bromofluorobenzene	11.14	95	174820	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	42274	17.17	ug/l	97
3) Chloromethane	1.32	50	52895	19.89	ug/l	98
4) Vinyl Chloride	1.40	62	53568	18.63	ug/l	99
5) Bromomethane	1.64	94	33965	26.58	ug/l	97
6) Chloroethane	1.73	64	35826	19.78	ug/l	97
7) Trichlorofluoromethane	1.93	101	82200	19.68	ug/l	99
8) Diethyl Ether	2.19	74	36901	21.46	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	47687	18.96	ug/l	98
10) Methyl Iodide	2.51	142	49255	21.29	ug/l	98
11) Tert butyl alcohol	3.08	59	80807	138.42	ug/l	98
12) 1,1-Dichloroethene	2.37	96	45956	18.95	ug/l	96
13) Acrolein	2.29	56	19397	46.85	ug/l	96
14) Allyl chloride	2.73	41	93025	20.76	ug/l	95
15) Acrylonitrile	3.15	53	179408	122.36	ug/l	99
16) Acetone	2.45	43	163479	126.59	ug/l	98
17) Carbon Disulfide	2.57	76	96545	15.26	ug/l	99
18) Methyl Acetate	2.78	43	103957	27.53	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	181106	22.16	ug/l	100
20) Methylene Chloride	2.86	84	57136	20.67	ug/l	100
21) trans-1,2-Dichloroethene	3.17	96	50844	19.04	ug/l	99
22) Diisopropyl ether	3.88	45	193304	22.48	ug/l	98
23) Vinyl Acetate	3.83	43	644303	104.01	ug/l	99
24) 1,1-Dichloroethane	3.70	63	100883	21.40	ug/l	99
25) 2-Butanone	4.71	43	260796	131.90	ug/l	97
26) 2,2-Dichloropropane	4.59	77	50657	13.35	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	64137	21.10	ug/l	97
28) Bromochloromethane	5.03	49	53457	25.52	ug/l	97
29) Tetrahydrofuran	5.18	42	168508	130.74	ug/l	98
30) Chloroform	5.23	83	109552	22.12	ug/l	98
31) Cyclohexane	5.58	56	79518	19.24	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	90461	21.14	ug/l	98
36) 1,1-Dichloropropene	5.80	75	71945	19.34	ug/l	99
37) Ethyl Acetate	4.87	43	95914	24.74	ug/l	100
38) Carbon Tetrachloride	5.79	117	80126	20.56	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	76842	17.68	ug/l	98
40) Benzene	6.15	78	234913	21.44	ug/l	100
41) Methacrylonitrile	5.07	41	54783	24.44	ug/l	98
42) 1,2-Dichloroethane	6.21	62	89149	22.49	ug/l	99
43) Isopropyl Acetate	6.48	43	141704	23.36	ug/l	99
44) Trichloroethene	7.22	130	69678	20.49	ug/l	96
45) 1,2-Dichloropropane	7.52	63	62915	23.40	ug/l	99
46) Dibromomethane	7.67	93	41199	21.82	ug/l	99
47) Bromodichloromethane	7.90	83	78559	22.42	ug/l	95
48) Methyl methacrylate	7.79	41	77065	24.13	ug/l	98
49) 1,4-Dioxane	7.76	88	34943	568.32	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	513345	133.52	ug/l	98
52) Toluene	8.79	92	152276	21.62	ug/l	97
53) t-1,3-Dichloropropene	8.44	75	84557	20.51	ug/l	100
54) cis-1,3-Dichloropropene	9.05	75	75260	20.71	ug/l	100
55) 1,1,2-Trichloroethane	9.22	97	57953	21.53	ug/l	97
56) Ethyl methacrylate	9.19	69	81552	21.36	ug/l	99
57) 1,3-Dichloropropane	9.38	76	95448	21.18	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	239092	121.77	ug/l	100
59) 2-Hexanone	9.51	43	343498	124.81	ug/l	98
60) Dibromochloromethane	9.59	129	58624	21.27	ug/l	100
61) 1,2-Dibromoethane	9.68	107	59973	21.28	ug/l	99
64) Tetrachloroethene	9.34	164	76025	21.51	ug/l	95
65) Chlorobenzene	10.15	112	156083	20.90	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	58227	22.08	ug/l	99
67) Ethyl Benzene	10.26	91	248149	20.79	ug/l	99
68) m/p-Xylenes	10.37	106	199081	42.28	ug/l	100
69) o-Xylene	10.70	106	94685	21.00	ug/l	97
70) Styrene	10.72	104	160701	21.61	ug/l	99
71) Bromoform	10.87	173	47220	21.04	ug/l #	100
73) Isopropylbenzene	11.02	105	261295	21.72	ug/l	99
74) N-amyl acetate	6.48	43	141704	24.57	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	85206	23.61	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	81263m	23.40	ug/l	
77) Bromobenzene	11.26	156	76734	21.71	ug/l	99
78) n-propylbenzene	11.37	91	288662	21.30	ug/l	99
79) 2-Chlorotoluene	11.43	91	175680	21.68	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	217050	22.00	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	18621	18.23	ug/l	91
82) 4-Chlorotoluene	11.52	91	203495	21.31	ug/l	100
83) tert-Butylbenzene	11.77	119	210689	21.46	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	223853	21.91	ug/l	100
85) sec-Butylbenzene	11.95	105	260668	21.50	ug/l	100
86) p-Isopropyltoluene	12.07	119	237262	21.15	ug/l	100
87) 1,3-Dichlorobenzene	12.03	146	138189	21.14	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	141355	20.91	ug/l	99
89) n-Butylbenzene	12.40	91	190938	19.68	ug/l	99
90) Hexachloroethane	12.60	117	36629	21.03	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	139073	21.35	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	18858	24.49	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	104712	20.17	ug/l	99
94) Hexachlorobutadiene	13.79	225	55560	19.94	ug/l	98
95) Naphthalene	13.84	128	300877	22.30	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	109951	21.03	ug/l	99

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

