

Data Path : W:\HPCHEM1\MSVOA H\DATA\XH091715\
 Data File : VH057070.D
 Acq On : 17 Sep 2015 17:13
 Operator : SY/FY
 Sample : VSTDIC010
 Misc : 5mL/MSVOA H/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 9/18/2015 3:12:25 PM

Quant Time: Sep 18 09:39:25 2015
 Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 09:34:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	723110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.58	114	1324589	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.72	117	999805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.49	152	272140	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.81	65	125712	11.01	ug/l	0.00
Spiked Amount	50.000	Range	66 - 150	Recovery	=	22.02%#
35) Dibromofluoromethane	4.08	113	101915	10.63	ug/l	0.00
Spiked Amount	50.000	Range	76 - 130	Recovery	=	21.26%#
48) Toluene-d8	7.51	98	289052	11.36	ug/l	0.00
Spiked Amount	50.000	Range	78 - 121	Recovery	=	22.72%#
62) 4-Bromofluorobenzene	11.36	95	90158	9.72	ug/l	0.00
Spiked Amount	50.000	Range	70 - 131	Recovery	=	19.44%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.93	85	105062	11.50	ug/l	99
3) Chloromethane	1.02	50	137507	10.78	ug/l	99
4) Vinyl Chloride	1.09	62	107742	10.27	ug/l	99
5) Bromomethane	1.27	94	62253	12.02	ug/l	81
6) Chloroethane	1.35	64	55702	10.57	ug/l	94
7) Trichlorofluoromethane	1.40	101	95672m	12.28	ug/l	
8) Tert butyl alcohol	2.54	59	127772	53.17	ug/l	# 89
9) Diethyl Ether	1.61	74	47810	9.22	ug/l	91
10) Diisopropyl ether	2.78	45	356916	9.49	ug/l	97
11) 1,1-Dichloroethene	1.75	96	76629	10.42	ug/l	97
12) Methyl Iodide	1.85	142	138148	11.36	ug/l	94
13) Acrolein	1.97	56	69695	44.46	ug/l	97
14) 1,1,2-Trichlorotrifluoroet	1.79	101	74760	10.61	ug/l	97
15) Acrylonitrile	2.91	53	238901	44.53	ug/l	96
16) Allyl Chloride	2.08	41	161119	9.54	ug/l	93
17) Acetone	2.21	43	357582	60.60	ug/l	97
18) Carbon Disulfide	1.77	76	229170	10.14	ug/l	# 93
19) Methyl Acetate	2.32	43	377460	8.97	ug/l	93
20) Methyl tert-butyl Ether	2.41	73	291873	10.18	ug/l	100
21) Methylene Chloride	2.16	84	80839m	9.65	ug/l	
22) trans-1,2-Dichloroethene	2.29	96	81657	10.07	ug/l	98
23) Vinyl Acetate	3.17	43	839284	50.96	ug/l	99
24) 1,1-Dichloroethane	2.84	63	177463	10.07	ug/l	98
25) 2-Butanone	4.30	43	641794	49.28	ug/l	99
26) 2,2-Dichloropropane	3.57	77	111575	11.52	ug/l	97
27) cis-1,2-Dichloroethene	3.45	96	108812	10.64	ug/l	94
28) Bromochloromethane	3.69	128	33566	8.80	ug/l	90
29) Chloroform	3.84	83	207126	11.21	ug/l	94
30) Cyclohexane	3.67	56	145728	10.83	ug/l	92
31) Tetrahydrofuran	4.05	42	362003	47.83	ug/l	95
32) 1,1,1-Trichloroethane	4.07	97	149042	11.61	ug/l	93
36) 1,1-Dichloropropene	4.26	75	158636	11.68	ug/l	96
37) Ethyl acetate	4.09	43	301364	10.61	ug/l	# 55
38) Carbon Tetrachloride	3.97	117	121729	11.37	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.61	78	374163	10.96	ug/l	94
40) Methacrylonitrile	4.71	41	129840	9.85	ug/l	92
41) 1,2-Dichloroethane	4.91	62	161091	11.01	ug/l	100
42) Isopropyl Acetate	5.46	43	400660	10.91	ug/l #	96
43) Trichloroethene	5.48	130	93800	11.05	ug/l	98
44) Methylcyclohexane	5.43	83	93739	11.15	ug/l	93
45) 1,2-Dichloropropane	6.21	63	116715	10.63	ug/l	100
46) Dibromomethane	6.06	93	74122	10.75	ug/l	94
47) Bromodichloromethane	6.35	83	157001	11.15	ug/l	98
49) 4-Methyl-2-Pentanone	8.21	43	1195002	53.08	ug/l	94
50) Toluene	7.59	92	238775	10.94	ug/l	94
51) t-1,3-Dichloropropene	8.23	75	172100	10.61	ug/l	100
52) Methyl Methacrylate	6.69	69	111762	10.10	ug/l	96
53) 1,4-Dioxane	6.67	88	28909	266.11	ug/l	90
54) cis-1,3-Dichloropropene	7.26	75	189069	10.69	ug/l	96
55) 1,1,2-Trichloroethane	8.44	97	98676	11.11	ug/l	96
56) Ethyl Methacrylate	8.58	69	185400	10.06	ug/l	100
57) 1,3-Dichloropropane	8.80	76	204907	10.99	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.26	63	507620	32.08	ug/l	97
59) 2-Hexanone	9.44	43	917190	55.87	ug/l	99
60) Dibromochloromethane	8.66	129	107464	10.66	ug/l	96
61) 1,2-Dibromoethane	8.93	107	108334	10.41	ug/l	95
64) Tetrachloroethene	8.11	164	60138	10.68	ug/l	95
65) Chlorobenzene	9.75	112	233186	11.17	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.87	131	77034	10.51	ug/l	89
67) Ethyl Benzene	9.85	106	107479	10.27	ug/l	98
68) m/p-Xylenes	10.08	106	261482	20.80	ug/l	95
69) o-Xylene	10.66	106	130945	10.79	ug/l	88
70) Styrene	10.73	104	223510	10.93	ug/l	96
71) Bromoform	10.72	173	57505	9.58	ug/l	95
73) Isopropylbenzene	11.08	105	269083	10.52	ug/l	91
74) n-Amyl Acetate	11.33	43	297076	10.68	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.64	83	131995	9.98	ug/l	94
76) 1,2,3-Trichloropropane	11.74	75	116269	11.30	ug/l	91
77) Bromobenzene	11.44	156	78571	11.39	ug/l	91
78) n-propylbenzene	11.54	91	305530	11.36	ug/l	97
79) 2-Chlorotoluene	11.66	91	186447	11.44	ug/l	92
80) 1,3,5-Trimethylbenzene	11.77	105	175002	11.06	ug/l	99
81) trans-1,4-Dichloro-2-Buten	11.81	75	82521	10.50	ug/l	96
82) 4-Chlorotoluene	11.84	91	216548	11.12	ug/l	96
83) tert-Butylbenzene	12.08	119	176089	11.83	ug/l	95
84) 1,2,4-Trimethylbenzene	12.15	105	183281	11.46	ug/l	100
85) sec-Butylbenzene	12.24	105	173222	10.94	ug/l	97
86) p-Isopropyltoluene	12.40	119	134100	11.04	ug/l	96
87) 1,3-Dichlorobenzene	12.41	146	91066	11.06	ug/l	92
88) 1,4-Dichlorobenzene	12.51	146	95150	10.98	ug/l	98
89) n-Butylbenzene	12.78	91	100825	10.60	ug/l	95
90) Hexachloroethane	12.85	117	30940	11.97	ug/l	71
91) 1,2-Dichlorobenzene	12.87	146	82923	11.71	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.58	75	15804	11.80	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.13	180	13048	10.25	ug/l	81
94) Hexachlorobutadiene	14.12	225	9232	14.38	ug/l	85
95) Naphthalene	14.38	128	54090	9.87	ug/l	98
96) 1,2,3-Trichlorobenzene	14.53	180	7963	9.85	ug/l #	93

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

