

Data Path : W:\HPCHEM1\MSVOA H\DATA\XH091715\
 Data File : VH057074.D
 Acq On : 17 Sep 2015 19:56
 Operator : SY/FY
 Sample : VSTDICC100
 Misc : 5mL/MSVOA H/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 9/18/2015 3:41:13 PM

Quant Time: Sep 18 09:43:56 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	786553	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.57	114	1451475	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.72	117	1101522	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.49	152	327520	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.81	65	1356784	109.27	ug/l	0.00
Spiked Amount	50.000	Range	66 - 150	Recovery	=	218.54%#
35) Dibromofluoromethane	4.09	113	1086417	103.41	ug/l	0.00
Spiked Amount	50.000	Range	76 - 130	Recovery	=	206.82%#
48) Toluene-d8	7.52	98	3146720	112.83	ug/l	0.00
Spiked Amount	50.000	Range	78 - 121	Recovery	=	225.66%#
62) 4-Bromofluorobenzene	11.36	95	1034194	101.73	ug/l	0.00
Spiked Amount	50.000	Range	70 - 131	Recovery	=	203.46%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.93	85	1004687	101.12	ug/l	99
3) Chloromethane	1.02	50	1227766	88.49	ug/l	100
4) Vinyl Chloride	1.08	62	961839	84.25	ug/l	100
5) Bromomethane	1.27	94	419049	74.36	ug/l	98
6) Chloroethane	1.35	64	395666	69.03	ug/l	98
7) Trichlorofluoromethane	1.40	101	1009455m	119.09	ug/l	
8) Tert butyl alcohol	2.55	59	1147038	438.80	ug/l	# 96
9) Diethyl Ether	1.61	74	430523	76.33	ug/l	78
10) Diisopropyl ether	2.78	45	3346259	81.82	ug/l	98
11) 1,1-Dichloroethene	1.76	96	659056	82.37	ug/l	98
12) Methyl Iodide	1.86	142	1178879	89.09	ug/l	99
13) Acrolein	1.97	56	648962	380.55	ug/l	93
14) 1,1,2-Trichlorotrifluoroet	1.79	101	677144	88.37	ug/l	97
15) Acrylonitrile	2.91	53	2226245	381.49	ug/l	93
16) Allyl Chloride	2.07	41	1415706	77.06	ug/l	92
17) Acetone	2.21	43	2674776	416.76	ug/l	96
18) Carbon Disulfide	1.77	76	1930823	78.56	ug/l	95
19) Methyl Acetate	2.32	43	3403273	74.33	ug/l	99
20) Methyl tert-butyl Ether	2.41	73	2803741	89.88	ug/l	97
21) Methylene Chloride	2.15	84	736601m	80.82	ug/l	
22) trans-1,2-Dichloroethene	2.29	96	783211	88.76	ug/l	98
23) Vinyl Acetate	3.16	43	7654862	427.29	ug/l	96
24) 1,1-Dichloroethane	2.84	63	1658260	86.47	ug/l	100
25) 2-Butanone	4.30	43	6102024	430.74	ug/l	100
26) 2,2-Dichloropropane	3.57	77	976106	92.64	ug/l	96
27) cis-1,2-Dichloroethene	3.45	96	1127736	101.40	ug/l	99
28) Bromochloromethane	3.69	128	387141	93.28	ug/l	83
29) Chloroform	3.83	83	1987678	98.88	ug/l	94
30) Cyclohexane	3.67	56	1342104	91.66	ug/l	96
31) Tetrahydrofuran	4.05	42	3512718	426.71	ug/l	95
32) 1,1,1-Trichloroethane	4.07	97	1464317	104.91	ug/l	97
36) 1,1-Dichloropropene	4.26	75	1587378	106.65	ug/l	99
37) Ethyl acetate	4.09	43	2898695	93.12	ug/l	# 55
38) Carbon Tetrachloride	3.97	117	1251742	106.70	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.61	78	3727938	99.69	ug/l	98
40) Methacrylonitrile	4.72	41	1340741	92.82	ug/l	96
41) 1,2-Dichloroethane	4.91	62	1666262	103.95	ug/l	99
42) Isopropyl Acetate	5.45	43	3752488	93.24	ug/l	97
43) Trichloroethene	5.48	130	998318	107.34	ug/l	98
44) Methylcyclohexane	5.43	83	922278	100.11	ug/l	96
45) 1,2-Dichloropropane	6.20	63	1191032	99.02	ug/l	99
46) Dibromomethane	6.05	93	784052	103.73	ug/l	98
47) Bromodichloromethane	6.35	83	1631313	105.71	ug/l	97
49) 4-Methyl-2-Pentanone	8.22	43	10919717	442.61	ug/l	95
50) Toluene	7.58	92	2444106	102.22	ug/l	100
51) t-1,3-Dichloropropene	8.24	75	1969293	110.84	ug/l	100
52) Methyl Methacrylate	6.69	69	1249278	103.01	ug/l	99
53) 1,4-Dioxane	6.67	88	254721	2139.72	ug/l	90
54) cis-1,3-Dichloropropene	7.26	75	1957134	100.97	ug/l	98
55) 1,1,2-Trichloroethane	8.45	97	1056389	108.50	ug/l	97
56) Ethyl Methacrylate	8.57	69	2180326	107.97	ug/l	98
57) 1,3-Dichloropropane	8.80	76	2154492	105.50	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.26	63	3958601	228.33	ug/l	94
59) 2-Hexanone	9.44	43	8871201	493.15	ug/l	98
60) Dibromochloromethane	8.67	129	1240567	112.26	ug/l	97
61) 1,2-Dibromoethane	8.93	107	1293076	113.40	ug/l	95
64) Tetrachloroethene	8.11	164	671335	108.18	ug/l	98
65) Chlorobenzene	9.75	112	2510084	109.15	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.87	131	863288	106.90	ug/l	98
67) Ethyl Benzene	9.84	106	1247413	108.20	ug/l	96
68) m/p-Xylenes	10.07	106	2896740	209.16	ug/l	94
69) o-Xylene	10.66	106	1456314	108.95	ug/l	97
70) Styrene	10.73	104	2484130	110.29	ug/l	99
71) Bromoform	10.71	173	826766	125.07	ug/l	99
73) Isopropylbenzene	11.07	105	2997341	97.38	ug/l	98
74) n-Amyl Acetate	11.33	43	3278667	97.95	ug/l	91
75) 1,1,2,2-Tetrachloroethane	11.64	83	1619214	101.76	ug/l	98
76) 1,2,3-Trichloropropane	11.74	75	1252814	101.14	ug/l	94
77) Bromobenzene	11.44	156	909321	109.56	ug/l	97
78) n-propylbenzene	11.54	91	3110347	96.08	ug/l	97
79) 2-Chlorotoluene	11.67	91	1854684	94.57	ug/l	99
80) 1,3,5-Trimethylbenzene	11.77	105	1918897	100.78	ug/l	99
81) trans-1,4-Dichloro-2-Buten	11.81	75	986472	104.29	ug/l	98
82) 4-Chlorotoluene	11.85	91	2305091	98.37	ug/l	99
83) tert-Butylbenzene	12.07	119	1680261	93.81	ug/l	98
84) 1,2,4-Trimethylbenzene	12.14	105	1957571	101.74	ug/l	97
85) sec-Butylbenzene	12.25	105	1884697	98.91	ug/l	98
86) p-Isopropyltoluene	12.40	119	1481721	101.40	ug/l	97
87) 1,3-Dichlorobenzene	12.42	146	1036112	104.57	ug/l	97
88) 1,4-Dichlorobenzene	12.50	146	1093458	104.84	ug/l	99
89) n-Butylbenzene	12.78	91	1222192	106.73	ug/l	96
90) Hexachloroethane	12.85	117	271832	87.38	ug/l	98
91) 1,2-Dichlorobenzene	12.88	146	958566	112.49	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.57	75	193668	120.10	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.13	180	217093	141.64	ug/l	87
94) Hexachlorobutadiene	14.12	225	99840	129.22	ug/l	91
95) Naphthalene	14.38	128	903592	137.05	ug/l	98
96) 1,2,3-Trichlorobenzene	14.52	180	154138	158.49	ug/l	89

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

