

Data Path : W:\HPCHEM1\MSVOA H\DATA\XH091715\
 Data File : VH057069.D
 Acq On : 17 Sep 2015 16:46
 Operator : SY/FY
 Sample : VSTDIC005
 Misc : 5mL/MSVOA H/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/18/2015 3:12:19 PM

Quant Time: Sep 24 08:14:29 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	4.82	168	780970	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.56	114	1396654	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.72	117	1081004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.48	152	308113	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000	Range	66 - 150	Recovery	=	0.00%#
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000	Range	76 - 130	Recovery	=	0.00%#
48) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000	Range	78 - 121	Recovery	=	0.00%#
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000	Range	70 - 131	Recovery	=	0.00%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.94	85	30500m	3.09	ug/l	
3) Chloromethane	1.03	50	53037	3.85	ug/l	99
4) Vinyl Chloride	1.08	62	47979	4.23	ug/l	89
5) Bromomethane	1.27	94	28339m	5.06	ug/l	
6) Chloroethane	1.35	64	21257m	3.74	ug/l	
7) Trichlorofluoromethane	1.40	101	36693m	4.36	ug/l	
8) Tert butyl alcohol	2.54	59	66162	25.49	ug/l	99
9) Diethyl Ether	1.60	74	24314	4.34	ug/l	73
10) Diisopropyl ether	2.77	45	175874	4.33	ug/l	97
11) 1,1-Dichloroethene	1.76	96	37792	4.76	ug/l	83
12) Methyl Iodide	1.87	142	62102m	4.73	ug/l	
13) Acrolein	1.97	56	42188	24.92	ug/l	84
14) 1,1,2-Trichlorotrifluoroet	1.79	101	31970	4.20	ug/l	94
15) Acrylonitrile	2.90	53	109932	18.97	ug/l #	86
16) Allyl Chloride	2.07	41	68888	3.78	ug/l	93
17) Acetone	2.20	43	215700	33.85	ug/l #	89
18) Carbon Disulfide	1.76	76	95652	3.92	ug/l	99
19) Methyl Acetate	2.31	43	186667	4.11	ug/l	98
20) Methyl tert-butyl Ether	2.40	73	142481	4.60	ug/l	94
21) Methylene Chloride	2.15	84	40948m	4.52	ug/l	
22) trans-1,2-Dichloroethene	2.28	96	38113	4.35	ug/l	96
23) Vinyl Acetate	3.15	43	417933	23.50	ug/l	99
24) 1,1-Dichloroethane	2.83	63	84650	4.45	ug/l	96
25) 2-Butanone	4.29	43	347287	24.69	ug/l	97
26) 2,2-Dichloropropane	3.55	77	52638	5.03	ug/l	94
27) cis-1,2-Dichloroethene	3.44	96	53674	4.86	ug/l	98
28) Bromochloromethane	3.68	128	15449	3.75	ug/l	87
29) Chloroform	3.81	83	103864m	5.20	ug/l	
30) Cyclohexane	3.65	56	62916	4.33	ug/l	94
31) Tetrahydrofuran	4.04	42	178521	21.84	ug/l	96
32) 1,1,1-Trichloroethane	4.06	97	71472	5.16	ug/l	98
36) 1,1-Dichloropropene	4.24	75	76450	5.34	ug/l	89
37) Ethyl acetate	4.08	43	145256	4.85	ug/l #	54
38) Carbon Tetrachloride	3.94	117	56733	5.03	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.59	78	183022	5.09	ug/l	96
40) Methacrylonitrile	4.70	41	58256	4.19	ug/l	86
41) 1,2-Dichloroethane	4.90	62	81068	5.26	ug/l	98
42) Isopropyl Acetate	5.45	43	188485	4.87	ug/l	97
43) Trichloroethene	5.47	130	42921	4.80	ug/l	81
44) Methylcyclohexane	5.42	83	44821	5.06	ug/l	77
45) 1,2-Dichloropropane	6.19	63	58830	5.08	ug/l	98
46) Dibromomethane	6.05	93	36556	5.03	ug/l	95
47) Bromodichloromethane	6.34	83	70623	4.76	ug/l	94
49) 4-Methyl-2-Pentanone	8.21	43	574206	24.19	ug/l	98
50) Toluene	7.58	92	114122	4.96	ug/l	96
51) t-1,3-Dichloropropene	8.23	75	78891	4.61	ug/l	99
52) Methyl Methacrylate	6.68	69	52317	4.48	ug/l	91
53) 1,4-Dioxane	6.67	88	12475	108.91	ug/l #	53
54) cis-1,3-Dichloropropene	7.25	75	91358	4.90	ug/l	95
55) 1,1,2-Trichloroethane	8.43	97	44240	4.72	ug/l	92
56) Ethyl Methacrylate	8.57	69	85165	4.38	ug/l	96
57) 1,3-Dichloropropane	8.80	76	90774	4.62	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.25	63	226605	13.58	ug/l	97
59) 2-Hexanone	9.44	43	465490	26.89	ug/l	96
60) Dibromochloromethane	8.66	129	53604	5.04	ug/l	86
61) 1,2-Dibromoethane	8.93	107	49846	4.54	ug/l	96
64) Tetrachloroethene	8.11	164	28207	4.63	ug/l	90
65) Chlorobenzene	9.74	112	109394	4.85	ug/l	94
66) 1,1,1,2-Tetrachloroethane	9.86	131	39407	4.97	ug/l	85
67) Ethyl Benzene	9.84	106	55755	4.93	ug/l	96
68) m/p-Xylenes	10.08	106	132836	9.77	ug/l	99
69) o-Xylene	10.65	106	61407	4.68	ug/l	82
70) Styrene	10.74	104	106062	4.80	ug/l	93
71) Bromoform	10.72	173	34110	5.26	ug/l	98
73) Isopropylbenzene	11.07	105	140848	4.86	ug/l	84
74) n-Amyl Acetate	11.32	43	150383	4.78	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.64	83	75601	5.05	ug/l	98
76) 1,2,3-Trichloropropane	11.74	75	56948	4.89	ug/l	90
77) Bromobenzene	11.44	156	33959	4.35	ug/l	89
78) n-propylbenzene	11.54	91	142819	4.69	ug/l	94
79) 2-Chlorotoluene	11.66	91	85519	4.64	ug/l	95
80) 1,3,5-Trimethylbenzene	11.77	105	92394	5.16	ug/l	91
81) trans-1,4-Dichloro-2-Buten	11.81	75	39778	4.47	ug/l	93
82) 4-Chlorotoluene	11.84	91	105499	4.79	ug/l	96
83) tert-Butylbenzene	12.07	119	94187	5.59	ug/l	96
84) 1,2,4-Trimethylbenzene	12.15	105	97220	5.37	ug/l	92
85) sec-Butylbenzene	12.24	105	94833	5.29	ug/l	98
86) p-Isopropyltoluene	12.40	119	72789	5.29	ug/l	96
87) 1,3-Dichlorobenzene	12.41	146	47114	5.05	ug/l	91
88) 1,4-Dichlorobenzene	12.50	146	48564	4.95	ug/l	93
89) n-Butylbenzene	12.78	91	54511	5.06	ug/l	94
90) Hexachloroethane	12.85	117	16993	5.81	ug/l	90
91) 1,2-Dichlorobenzene	12.87	146	41401	5.16	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.57	75	8431	5.56	ug/l	71

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.13	180	6196	4.30	ug/l	81
94) Hexachlorobutadiene	14.12	225	3454	4.75	ug/l	81
95) Naphthalene	14.38	128	20069	3.24	ug/l	97
96) 1,2,3-Trichlorobenzene	14.53	180	3584	3.92	ug/l	97

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

