

Data Path : W:\HPCHEM1\MSVOA H\DATA\XH091715\
 Data File : VH057071.D
 Acq On : 17 Sep 2015 17:40
 Operator : SY/FY
 Sample : VSTDIC020
 Misc : 5mL/MSVOA H/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/18/2015 3:12:30 PM

Quant Time: Sep 18 09:40:40 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	4.85	168	703587	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.57	114	1274308	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.72	117	1060336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.49	152	289978	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	271661	24.46	ug/l	0.00
Spiked Amount 50.000	Range 66 - 150		Recovery =	48.92%#		
35) Dibromofluoromethane	4.09	113	219152	23.76	ug/l	0.00
Spiked Amount 50.000	Range 76 - 130		Recovery =	47.52%#		
48) Toluene-d8	7.51	98	640317	26.15	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 121		Recovery =	52.30%#		
62) 4-Bromofluorobenzene	11.36	95	216484	24.26	ug/l	0.00
Spiked Amount 50.000	Range 70 - 131		Recovery =	48.52%#		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.93	85	169278	19.05	ug/l	98
3) Chloromethane	1.02	50	222792	17.95	ug/l	98
4) Vinyl Chloride	1.09	62	191364	18.74	ug/l	94
5) Bromomethane	1.27	94	92028	18.26	ug/l	90
6) Chloroethane	1.35	64	86603	16.89	ug/l #	84
7) Trichlorofluoromethane	1.41	101	174296m	22.99	ug/l	
8) Tert butyl alcohol	2.54	59	225963	96.63	ug/l #	97
9) Diethyl Ether	1.62	74	89409	17.72	ug/l	83
10) Diisopropyl ether	2.78	45	624574	17.07	ug/l	98
11) 1,1-Dichloroethene	1.75	96	126437	17.67	ug/l	86
12) Methyl Iodide	1.86	142	233149	19.70	ug/l	94
13) Acrolein	1.97	56	134532	88.19	ug/l	96
14) 1,1,2-Trichlorotrifluoroet	1.80	101	133408	19.46	ug/l	98
15) Acrylonitrile	2.91	53	409627	78.47	ug/l	96
16) Allyl Chloride	2.08	41	276880	16.85	ug/l	91
17) Acetone	2.21	43	629487	109.65	ug/l	98
18) Carbon Disulfide	1.77	76	409770	18.64	ug/l	99
19) Methyl Acetate	2.32	43	668052	16.31	ug/l	98
20) Methyl tert-butyl Ether	2.41	73	522276	18.72	ug/l	100
21) Methylene Chloride	2.15	84	142973m	17.54	ug/l	
22) trans-1,2-Dichloroethene	2.29	96	142601	18.07	ug/l	95
23) Vinyl Acetate	3.16	43	1497146	93.43	ug/l	100
24) 1,1-Dichloroethane	2.85	63	313265	18.26	ug/l	98
25) 2-Butanone	4.30	43	1167627	92.14	ug/l	98
26) 2,2-Dichloropropane	3.57	77	211013	22.39	ug/l	99
27) cis-1,2-Dichloroethene	3.45	96	196638	19.77	ug/l	96
28) Bromochloromethane	3.69	128	70722	19.05	ug/l	92
29) Chloroform	3.84	83	349971	19.46	ug/l	96
30) Cyclohexane	3.68	56	254856	19.46	ug/l	86
31) Tetrahydrofuran	4.06	42	658679	89.45	ug/l	96
32) 1,1,1-Trichloroethane	4.07	97	273687	21.92	ug/l	96
36) 1,1-Dichloropropene	4.26	75	274165	20.98	ug/l	99
37) Ethyl acetate	4.09	43	522216	19.11	ug/l #	55
38) Carbon Tetrachloride	3.96	117	224987m	21.84	ug/l	

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39) Benzene	4.61	78	676232	20.60	ug/l	100
40) Methacrylonitrile	4.71	41	235381	18.56	ug/l	93
41) 1,2-Dichloroethane	4.91	62	297274	21.12	ug/l	95
42) Isopropyl Acetate	5.46	43	673239	19.05	ug/l	95
43) Trichloroethene	5.48	130	170543	20.89	ug/l	97
44) Methylcyclohexane	5.43	83	151458	18.73	ug/l	98
45) 1,2-Dichloropropane	6.20	63	208136	19.71	ug/l	99
46) Dibromomethane	6.06	93	139756	21.06	ug/l	92
47) Bromodichloromethane	6.35	83	284904	21.03	ug/l	95
49) 4-Methyl-2-Pentanone	8.22	43	2165836	99.99	ug/l	95
50) Toluene	7.58	92	425231	20.26	ug/l	94
51) t-1,3-Dichloropropene	8.24	75	314141	20.14	ug/l	96
52) Methyl Methacrylate	6.69	69	207937	19.53	ug/l	98
53) 1,4-Dioxane	6.68	88	53164	508.68	ug/l	92
54) cis-1,3-Dichloropropene	7.27	75	337762	19.85	ug/l	96
55) 1,1,2-Trichloroethane	8.44	97	188179	22.01	ug/l	91
56) Ethyl Methacrylate	8.57	69	357154	20.15	ug/l	99
57) 1,3-Dichloropropane	8.80	76	367334	20.49	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.26	63	989623	65.02	ug/l	99
59) 2-Hexanone	9.44	43	1621667	102.68	ug/l	98
60) Dibromochloromethane	8.67	129	199353	20.55	ug/l	99
61) 1,2-Dibromoethane	8.93	107	203627	20.34	ug/l	99
64) Tetrachloroethene	8.11	164	121965	20.42	ug/l	93
65) Chlorobenzene	9.74	112	437642	19.77	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.87	131	156053	20.08	ug/l	94
67) Ethyl Benzene	9.85	106	209187	18.85	ug/l	92
68) m/p-Xylenes	10.08	106	512404	38.44	ug/l	100
69) o-Xylene	10.66	106	242213	18.82	ug/l	93
70) Styrene	10.74	104	424163	19.56	ug/l	97
71) Bromoform	10.72	173	126807	19.93	ug/l	99
73) Isopropylbenzene	11.07	105	554832	20.36	ug/l	99
74) n-Amyl Acetate	11.33	43	548785	18.52	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.64	83	283861	20.15	ug/l	99
76) 1,2,3-Trichloropropane	11.74	75	215579	19.66	ug/l	88
77) Bromobenzene	11.44	156	152916	20.81	ug/l	91
78) n-propylbenzene	11.54	91	579429	20.22	ug/l	97
79) 2-Chlorotoluene	11.66	91	355583	20.48	ug/l	96
80) 1,3,5-Trimethylbenzene	11.77	105	356153	21.13	ug/l	100
81) trans-1,4-Dichloro-2-Buten	11.81	75	150981	18.03	ug/l	93
82) 4-Chlorotoluene	11.84	91	410144	19.77	ug/l	92
83) tert-Butylbenzene	12.07	119	328449	20.71	ug/l	98
84) 1,2,4-Trimethylbenzene	12.15	105	354916	20.83	ug/l	100
85) sec-Butylbenzene	12.24	105	370226	21.94	ug/l	94
86) p-Isopropyltoluene	12.40	119	267141	20.65	ug/l	95
87) 1,3-Dichlorobenzene	12.41	146	176597	20.13	ug/l	93
88) 1,4-Dichlorobenzene	12.51	146	182287	19.74	ug/l	98
89) n-Butylbenzene	12.78	91	215594	21.26	ug/l	99
90) Hexachloroethane	12.85	117	55624	20.20	ug/l	85
91) 1,2-Dichlorobenzene	12.87	146	160275	21.24	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.58	75	30033	21.04	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	31128	22.94	ug/l	97
94) Hexachlorobutadiene	14.12	225	15473	22.62	ug/l	87
95) Naphthalene	14.38	128	116643	19.98	ug/l	95
96) 1,2,3-Trichlorobenzene	14.53	180	16974	19.71	ug/l	84

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

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