

Data Path : W:\HPCHEM1\MSVOA H\DATA\XH092115\
 Data File : VH057099.D
 Acq On : 21 Sep 2015 19:07
 Operator : SY/FY
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA H/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 2:55:08 PM

Quant Time: Sep 22 07:03:40 2015
 Quant Method : W:\HPCHEM1\MSVOA_H\METHODS\82H091715W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:34:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.84	168	940723	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.56	114	1652693	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.72	117	1280277	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.49	152	355782	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.81	65	661085	39.35	ug/l	0.00
Spiked Amount	50.000	Range	66 - 150	Recovery	=	78.70%
35) Dibromofluoromethane	4.08	113	606843	46.12	ug/l	0.00
Spiked Amount	50.000	Range	76 - 130	Recovery	=	92.24%
48) Toluene-d8	7.51	98	1777427	46.98	ug/l	-0.01
Spiked Amount	50.000	Range	78 - 121	Recovery	=	93.96%
62) 4-Bromofluorobenzene	11.35	95	574710	45.04	ug/l	0.00
Spiked Amount	50.000	Range	70 - 131	Recovery	=	90.08%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.93	85	483363	40.73	ug/l	95
3) Chloromethane	1.02	50	589328	39.37	ug/l	98
4) Vinyl Chloride	1.09	62	519298	41.97	ug/l	96
5) Bromomethane	1.27	94	256693	47.03	ug/l	97
6) Chloroethane	1.35	64	217049	42.47	ug/l	96
7) Trichlorofluoromethane	1.40	101	418921m	36.20	ug/l	
8) Tert butyl alcohol	2.55	59	592680	196.50	ug/l	99
9) Diethyl Ether	1.61	74	264626	46.25	ug/l	58
10) Diisopropyl ether	2.77	45	1671885	39.86	ug/l #	96
11) 1,1-Dichloroethene	1.76	96	408413	47.06	ug/l	79
12) Methyl Iodide	1.86	142	753547m	49.27	ug/l	
13) Acrolein	1.97	56	319299	177.03	ug/l	96
14) 1,1,2-Trichlorotrifluoroet	1.80	101	389708	46.10	ug/l	92
15) Acrylonitrile	2.90	53	1192330	216.76	ug/l	99
16) Allyl Chloride	2.07	41	699287	39.09	ug/l	94
17) Acetone	2.20	43	1323137	183.40	ug/l	96
18) Carbon Disulfide	1.77	76	1105614	43.20	ug/l	98
19) Methyl Acetate	2.32	43	1751956	40.07	ug/l	98
20) Methyl tert-butyl Ether	2.40	73	1497054	43.08	ug/l	94
21) Methylene Chloride	2.15	84	456019m	48.03	ug/l	
22) trans-1,2-Dichloroethene	2.28	96	465246	48.77	ug/l	93
23) Vinyl Acetate	3.16	43	4043507	203.72	ug/l #	95
24) 1,1-Dichloroethane	2.84	63	888641	43.03	ug/l	97
25) 2-Butanone	4.30	43	3134797	200.88	ug/l	94
26) 2,2-Dichloropropane	3.56	77	553852	42.72	ug/l	96
27) cis-1,2-Dichloroethene	3.45	96	662245	49.70	ug/l	91
28) Bromochloromethane	3.69	128	240882	54.12	ug/l	78
29) Chloroform	3.82	83	1097196	44.95	ug/l	93
30) Cyclohexane	3.67	56	691506	41.79	ug/l	92
31) Tetrahydrofuran	4.04	42	1760896	201.03	ug/l #	87
32) 1,1,1-Trichloroethane	4.06	97	753786	42.89	ug/l	97
36) 1,1-Dichloropropene	4.25	75	837725	46.13	ug/l	97
37) Ethyl acetate	4.08	43	1438568	42.20	ug/l #	93
38) Carbon Tetrachloride	3.96	117	594888	42.08	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.60	78	2099772	48.56	ug/l	99
40) Methacrylonitrile	4.70	41	635843	42.14	ug/l	84
41) 1,2-Dichloroethane	4.90	62	829820	43.48	ug/l	98
42) Isopropyl Acetate	5.45	43	1874548	42.11	ug/l #	92
43) Trichloroethene	5.47	130	582102	52.97	ug/l	97
44) Methylcyclohexane	5.42	83	490036	46.82	ug/l	96
45) 1,2-Dichloropropane	6.19	63	621556	45.34	ug/l	98
46) Dibromomethane	6.04	93	426147	47.80	ug/l	96
47) Bromodichloromethane	6.34	83	835350	45.74	ug/l	97
49) 4-Methyl-2-Pentanone	8.20	43	5561372	206.26	ug/l	96
50) Toluene	7.58	92	1354668	48.93	ug/l	97
51) t-1,3-Dichloropropene	8.22	75	982531	46.92	ug/l	100
52) Methyl Methacrylate	6.67	69	661014	48.72	ug/l	91
53) 1,4-Dioxane	6.66	88	125873	791.05	ug/l	96
54) cis-1,3-Dichloropropene	7.25	75	1058826	47.62	ug/l	92
55) 1,1,2-Trichloroethane	8.44	97	560990	47.73	ug/l	97
56) Ethyl Methacrylate	8.57	69	1133049	48.81	ug/l	89
57) 1,3-Dichloropropane	8.80	76	1128261	47.20	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.25	63	2611130	227.50	ug/l	91
59) 2-Hexanone	9.43	43	4317214	204.92	ug/l	96
60) Dibromochloromethane	8.66	129	665547	49.95	ug/l	99
61) 1,2-Dibromoethane	8.92	107	689015	50.94	ug/l	98
64) Tetrachloroethene	8.11	164	409919	56.51	ug/l	96
65) Chlorobenzene	9.74	112	1408444	50.56	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.86	131	480414	49.98	ug/l	98
67) Ethyl Benzene	9.84	106	665564	49.91	ug/l	90
68) m/p-Xylenes	10.07	106	1598047	98.52	ug/l	92
69) o-Xylene	10.65	106	807717	51.86	ug/l	99
70) Styrene	10.73	104	1356026	49.85	ug/l	97
71) Bromoform	10.71	173	433348	52.69	ug/l	97
73) Isopropylbenzene	11.06	105	1632594	50.25	ug/l	99
74) n-Amyl Acetate	11.32	43	1555693	45.06	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.63	83	830780	48.77	ug/l	99
76) 1,2,3-Trichloropropane	11.73	75	652792	48.84	ug/l	96
77) Bromobenzene	11.43	156	474230	51.28	ug/l	89
78) n-propylbenzene	11.54	91	1620043	46.63	ug/l	93
79) 2-Chlorotoluene	11.66	91	1019218	48.64	ug/l	100
80) 1,3,5-Trimethylbenzene	11.76	105	1010384	47.59	ug/l	97
81) trans-1,4-Dichloro-2-Buten	11.80	75	470461	48.30	ug/l	94
82) 4-Chlorotoluene	11.84	91	1204036	47.56	ug/l	98
83) tert-Butylbenzene	12.07	119	995057	49.65	ug/l	96
84) 1,2,4-Trimethylbenzene	12.14	105	1063582	48.54	ug/l	100
85) sec-Butylbenzene	12.24	105	1015137	47.36	ug/l	95
86) p-Isopropyltoluene	12.39	119	837522	51.46	ug/l	96
87) 1,3-Dichlorobenzene	12.41	146	558714	50.63	ug/l	98
88) 1,4-Dichlorobenzene	12.50	146	607758	53.19	ug/l	97
89) n-Butylbenzene	12.77	91	675324	51.91	ug/l	98
90) Hexachloroethane	12.84	117	176349	51.19	ug/l	91
91) 1,2-Dichlorobenzene	12.88	146	530159	53.33	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.57	75	97070	50.82	ug/l	96

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93) 1,2,4-Trichlorobenzene	14.12	180	168575	73.70	ug/l	90
94) Hexachlorobutadiene	14.11	225	86016	83.62	ug/l	94
95) Naphthalene	14.38	128	647791	69.56	ug/l	99
96) 1,2,3-Trichlorobenzene	14.52	180	132915	82.97	ug/l #	92

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

