

Data Path : W:\HPCHEM1\MSVOA_H\DATA\VH092215\
 Data File : VH057119.D
 Acq On : 22 Sep 2015 22:27
 Operator : SY/FY
 Sample : VSTDCCC050
 Misc : 5.01g/10mL//100uL/5mL/MSVOA_H/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/23/2015 11:46:56 AM

Quant Time: Sep 23 06:51:38 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	890159	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.56	114	1563955	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.72	117	1220012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.48	152	348535	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.80	65	717878	45.16	ug/l	-0.01
Spiked Amount	50.000	Range	66 - 150	Recovery	=	90.32%
35) Dibromofluoromethane	4.07	113	642554	51.60	ug/l	-0.01
Spiked Amount	50.000	Range	76 - 130	Recovery	=	103.20%
48) Toluene-d8	7.51	98	1854750	51.80	ug/l	-0.01
Spiked Amount	50.000	Range	78 - 121	Recovery	=	103.60%
62) 4-Bromofluorobenzene	11.35	95	615252	50.95	ug/l	0.00
Spiked Amount	50.000	Range	70 - 131	Recovery	=	101.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.93	85	514717	45.75	ug/l	97
3) Chloromethane	1.02	50	623762	44.04	ug/l	95
4) Vinyl Chloride	1.09	62	519040	44.33	ug/l	99
5) Bromomethane	1.27	94	255649	49.81	ug/l	97
6) Chloroethane	1.35	64	243545	51.21	ug/l	98
7) Trichlorofluoromethane	1.40	101	462166m	42.21	ug/l	
8) Tert butyl alcohol	2.54	59	648366	227.17	ug/l #	96
9) Diethyl Ether	1.60	74	306229	56.56	ug/l	82
10) Diisopropyl ether	2.77	45	1739762	43.84	ug/l	98
11) 1,1-Dichloroethene	1.76	96	456010	55.53	ug/l	83
12) Methyl Iodide	1.86	142	807239m	55.78	ug/l	
13) Acrolein	1.97	56	269893	158.13	ug/l	93
14) 1,1,2-Trichlorotrifluoroet	1.79	101	418014	52.26	ug/l	96
15) Acrylonitrile	2.90	53	1238389	237.92	ug/l	97
16) Allyl Chloride	2.07	41	877320	51.83	ug/l	95
17) Acetone	2.20	43	1450153	217.40	ug/l	97
18) Carbon Disulfide	1.77	76	1254644	51.81	ug/l	98
19) Methyl Acetate	2.32	43	1924233	46.51	ug/l	94
20) Methyl tert-butyl Ether	2.40	73	1664115	50.61	ug/l	99
21) Methylene Chloride	2.15	84	509834m	56.74	ug/l	
22) trans-1,2-Dichloroethene	2.28	96	487562	54.01	ug/l	93
23) Vinyl Acetate	3.15	43	4212542	224.29	ug/l	96
24) 1,1-Dichloroethane	2.84	63	889222	45.50	ug/l	100
25) 2-Butanone	4.29	43	3168007	214.54	ug/l	96
26) 2,2-Dichloropropane	3.56	77	544962	44.42	ug/l	98
27) cis-1,2-Dichloroethene	3.44	96	667381	52.93	ug/l	91
28) Bromochloromethane	3.68	128	209164	49.66	ug/l	83
29) Chloroform	3.83	83	1129620	48.90	ug/l	96
30) Cyclohexane	3.66	56	694395	44.35	ug/l	92
31) Tetrahydrofuran	4.04	42	1850620	223.28	ug/l #	88
32) 1,1,1-Trichloroethane	4.06	97	706868	42.51	ug/l	97
36) 1,1-Dichloropropene	4.25	75	840329	48.90	ug/l	95
37) Ethyl acetate	4.08	43	1489453	46.17	ug/l #	54
38) Carbon Tetrachloride	3.95	117	624346	46.67	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.60	78	2077539	50.77	ug/l	96
40) Methacrylonitrile	4.70	41	669720	46.91	ug/l	91
41) 1,2-Dichloroethane	4.90	62	852612	47.21	ug/l	99
42) Isopropyl Acetate	5.45	43	1939947	46.06	ug/l #	93
43) Trichloroethene	5.47	130	572785	55.08	ug/l	97
44) Methylcyclohexane	5.43	83	475840	48.04	ug/l	88
45) 1,2-Dichloropropane	6.19	63	649603	50.07	ug/l	95
46) Dibromomethane	6.04	93	425443	50.43	ug/l	98
47) Bromodichloromethane	6.34	83	860751	49.81	ug/l	93
49) 4-Methyl-2-Pentanone	8.21	43	5706155	223.64	ug/l	98
50) Toluene	7.58	92	1388075	52.98	ug/l	97
51) t-1,3-Dichloropropene	8.22	75	946704	47.78	ug/l	99
52) Methyl Methacrylate	6.67	69	684136	53.29	ug/l	96
53) 1,4-Dioxane	6.66	88	159142	1056.88	ug/l	96
54) cis-1,3-Dichloropropene	7.25	75	1063339	50.54	ug/l	94
55) 1,1,2-Trichloroethane	8.43	97	569304	51.18	ug/l	93
56) Ethyl Methacrylate	8.57	69	1141566	51.97	ug/l	92
57) 1,3-Dichloropropane	8.79	76	1152774	50.96	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.25	63	2883230	265.46	ug/l #	89
59) 2-Hexanone	9.43	43	4450103	223.22	ug/l	97
60) Dibromochloromethane	8.65	129	675270	53.55	ug/l	99
61) 1,2-Dibromoethane	8.93	107	702549	54.89	ug/l	96
64) Tetrachloroethene	8.10	164	385195	55.72	ug/l	95
65) Chlorobenzene	9.74	112	1436259	54.10	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.86	131	487461	53.21	ug/l	98
67) Ethyl Benzene	9.83	106	669057	52.65	ug/l	97
68) m/p-Xylenes	10.06	106	1655132	107.08	ug/l	98
69) o-Xylene	10.65	106	809103	54.51	ug/l	97
70) Styrene	10.73	104	1391768	53.69	ug/l	99
71) Bromoform	10.71	173	429502	54.80	ug/l	99
73) Isopropylbenzene	11.06	105	1639440	51.51	ug/l	98
74) n-Amyl Acetate	11.32	43	1678846	49.64	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.63	83	876857	52.55	ug/l	99
76) 1,2,3-Trichloropropane	11.72	75	686626	52.44	ug/l	94
77) Bromobenzene	11.43	156	506696	55.93	ug/l	88
78) n-propylbenzene	11.53	91	1688197	49.61	ug/l	96
79) 2-Chlorotoluene	11.66	91	1038891	50.61	ug/l	98
80) 1,3,5-Trimethylbenzene	11.77	105	1075329	51.70	ug/l	94
81) trans-1,4-Dichloro-2-Buten	11.81	75	485995	50.93	ug/l	96
82) 4-Chlorotoluene	11.83	91	1270479	51.23	ug/l	93
83) tert-Butylbenzene	12.06	119	966119	49.20	ug/l	97
84) 1,2,4-Trimethylbenzene	12.14	105	1066905	49.70	ug/l	100
85) sec-Butylbenzene	12.24	105	1018066	48.48	ug/l	100
86) p-Isopropyltoluene	12.39	119	819703	51.41	ug/l	96
87) 1,3-Dichlorobenzene	12.41	146	575871	53.27	ug/l	98
88) 1,4-Dichlorobenzene	12.50	146	605586	54.10	ug/l	99
89) n-Butylbenzene	12.77	91	650391	51.03	ug/l	99
90) Hexachloroethane	12.84	117	157039	46.53	ug/l	83
91) 1,2-Dichlorobenzene	12.88	146	511734	52.54	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.57	75	93861	50.16	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	107174	49.15	ug/l	82
94) Hexachlorobutadiene	14.12	225	56927	56.49	ug/l	97
95) Naphthalene	14.38	128	442102	49.93	ug/l	98
96) 1,2,3-Trichlorobenzene	14.53	180	75127	50.33	ug/l	90

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

