

Data Path : W:\HPCHEM1\MSVOA_H\DATA\XH092215\
 Data File : VH057101.D
 Acq On : 22 Sep 2015 11:57
 Operator : SY/FY
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_H/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_H
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/23/2015 11:46:38 AM

Quant Time: Sep 23 04:43:55 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	4.82	168	958402	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.54	114	1745108	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.71	117	1268479	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.48	152	343068	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.78	65	694885	40.60	ug/l	-0.03
Spiked Amount 50.000	Range 66 - 150		Recovery =	81.20%		
35) Dibromofluoromethane	4.05	113	640564	46.10	ug/l	-0.03
Spiked Amount 50.000	Range 76 - 130		Recovery =	92.20%		
48) Toluene-d8	7.49	98	1764553	44.17	ug/l	-0.03
Spiked Amount 50.000	Range 78 - 121		Recovery =	88.34%		
62) 4-Bromofluorobenzene	11.34	95	548285	40.69	ug/l	-0.01
Spiked Amount 50.000	Range 70 - 131		Recovery =	81.38%		

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.93	85	538444	44.47	ug/l	98
3) Chloromethane	1.02	50	593786	38.93	ug/l	99
4) Vinyl Chloride	1.08	62	517945	41.09	ug/l	95
5) Bromomethane	1.26	94	285322	51.85	ug/l	99
6) Chloroethane	1.34	64	252703	49.19	ug/l	97
7) Trichlorofluoromethane	1.40	101	496100m	42.08	ug/l	
8) Tert butyl alcohol	2.53	59	648204	210.95	ug/l #	96
9) Diethyl Ether	1.60	74	271972	46.66	ug/l	65
10) Diisopropyl ether	2.76	45	1744653	40.83	ug/l	96
11) 1,1-Dichloroethene	1.74	96	428489	48.47	ug/l	90
12) Methyl Iodide	1.85	142	838995	53.84	ug/l	87
13) Acrolein	1.96	56	361874	196.93	ug/l	91
14) 1,1,2-Trichlorotrifluoroet	1.78	101	411803	47.81	ug/l	91
15) Acrylonitrile	2.89	53	1263210	225.41	ug/l	97
16) Allyl Chloride	2.06	41	769283	42.21	ug/l	95
17) Acetone	2.20	43	1582434	220.77	ug/l	100
18) Carbon Disulfide	1.76	76	1209407	46.38	ug/l	97
19) Methyl Acetate	2.30	43	1920537	43.12	ug/l	96
20) Methyl tert-butyl Ether	2.39	73	1677644	47.39	ug/l	94
21) Methylene Chloride	2.14	84	477812m	49.39	ug/l	
22) trans-1,2-Dichloroethene	2.27	96	474458	48.82	ug/l	90
23) Vinyl Acetate	3.14	43	4435655	219.36	ug/l	97
24) 1,1-Dichloroethane	2.82	63	902277	42.88	ug/l	98
25) 2-Butanone	4.28	43	3532055	222.16	ug/l	96
26) 2,2-Dichloropropane	3.55	77	629632	47.67	ug/l	97
27) cis-1,2-Dichloroethene	3.43	96	690236	50.85	ug/l	89
28) Bromochloromethane	3.66	128	254383	56.10	ug/l	77
29) Chloroform	3.80	83	1177524	47.35	ug/l	97
30) Cyclohexane	3.64	56	741190	43.97	ug/l	91
31) Tetrahydrofuran	4.02	42	1869868	209.54	ug/l #	87
32) 1,1,1-Trichloroethane	4.04	97	816423	45.60	ug/l	97
36) 1,1-Dichloropropene	4.23	75	871198	45.44	ug/l	94
37) Ethyl acetate	4.05	43	1592392	44.24	ug/l #	54
38) Carbon Tetrachloride	3.94	117	702848	47.08	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.58	78	2193755	48.05	ug/l	100
40) Methacrylonitrile	4.68	41	723382	45.40	ug/l	88
41) 1,2-Dichloroethane	4.89	62	884669	43.90	ug/l #	94
42) Isopropyl Acetate	5.43	43	1992395	42.39	ug/l #	93
43) Trichloroethene	5.46	130	600947	51.79	ug/l	90
44) Methylcyclohexane	5.41	83	535209	48.43	ug/l	96
45) 1,2-Dichloropropane	6.18	63	628911	43.45	ug/l	96
46) Dibromomethane	6.03	93	443272	47.09	ug/l	94
47) Bromodichloromethane	6.33	83	896280	46.48	ug/l	96
49) 4-Methyl-2-Pentanone	8.19	43	6041399	212.20	ug/l	100
50) Toluene	7.57	92	1412034	48.30	ug/l	99
51) t-1,3-Dichloropropene	8.21	75	1053402	47.65	ug/l	98
52) Methyl Methacrylate	6.66	69	674898	47.11	ug/l	95
53) 1,4-Dioxane	6.65	88	172692	1027.82	ug/l	97
54) cis-1,3-Dichloropropene	7.24	75	1090986	46.47	ug/l	95
55) 1,1,2-Trichloroethane	8.42	97	611261	49.25	ug/l	98
56) Ethyl Methacrylate	8.56	69	1160833	47.36	ug/l	95
57) 1,3-Dichloropropane	8.78	76	1136927	45.04	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.24	63	2653383	218.94	ug/l	91
59) 2-Hexanone	9.42	43	4551387	204.60	ug/l	100
60) Dibromochloromethane	8.64	129	678522	48.22	ug/l	98
61) 1,2-Dibromoethane	8.91	107	720505	50.45	ug/l	94
64) Tetrachloroethene	8.10	164	400347	55.70	ug/l	99
65) Chlorobenzene	9.73	112	1418726	51.40	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.85	131	489633	51.41	ug/l	93
67) Ethyl Benzene	9.83	106	630969	47.76	ug/l	92
68) m/p-Xylenes	10.06	106	1599215	99.51	ug/l	94
69) o-Xylene	10.64	106	789579	51.17	ug/l	98
70) Styrene	10.72	104	1359076	50.43	ug/l	99
71) Bromoform	10.71	173	462130	56.71	ug/l	91
73) Isopropylbenzene	11.06	105	1609850	51.38	ug/l	99
74) n-Amyl Acetate	11.31	43	1723412	51.77	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.64	83	892200	54.32	ug/l	98
76) 1,2,3-Trichloropropane	11.73	75	688907	53.46	ug/l	93
77) Bromobenzene	11.42	156	496699	55.70	ug/l	89
78) n-propylbenzene	11.53	91	1629524	48.65	ug/l	98
79) 2-Chlorotoluene	11.66	91	972854	48.14	ug/l	96
80) 1,3,5-Trimethylbenzene	11.76	105	985141	48.12	ug/l	96
81) trans-1,4-Dichloro-2-Buten	11.81	75	531135	56.55	ug/l	94
82) 4-Chlorotoluene	11.84	91	1207306	49.46	ug/l	98
83) tert-Butylbenzene	12.06	119	932932	48.27	ug/l	96
84) 1,2,4-Trimethylbenzene	12.14	105	979501	46.36	ug/l	93
85) sec-Butylbenzene	12.24	105	987007	47.75	ug/l	97
86) p-Isopropyltoluene	12.39	119	755259	48.13	ug/l	96
87) 1,3-Dichlorobenzene	12.41	146	561579	52.78	ug/l	98
88) 1,4-Dichlorobenzene	12.49	146	579622	52.60	ug/l	99
89) n-Butylbenzene	12.77	91	601127	47.92	ug/l	93
90) Hexachloroethane	12.85	117	150597	45.33	ug/l	78
91) 1,2-Dichlorobenzene	12.87	146	501171	52.28	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.57	75	101760	55.24	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.12	180	111557	51.76	ug/l	88
94) Hexachlorobutadiene	14.11	225	59489	59.98	ug/l	92
95) Naphthalene	14.38	128	455143	52.00	ug/l	99
96) 1,2,3-Trichlorobenzene	14.52	180	75967	51.54	ug/l	88

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

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