

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091715\
 Data File : VN027268.D
 Acq On : 17 Sep 2015 21:39
 Operator : MD\FY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/18/2015 12:23:52 PM

Quant Time: Sep 18 06:52:43 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N091515W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 21:12:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	526632	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1001252	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	863292	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	329325	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	536397	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
36) Dibromofluoromethane	7.68	113	344505	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
51) Toluene-d8	10.19	98	1341298	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
63) 4-Bromofluorobenzene	12.52	95	477350	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	287411	45.61	ug/l	100
3) Chlorodifluoromethane	1.81	51	423870	58.13	ug/l #	93
4) Chloromethane	2.01	50	323813	45.97	ug/l	99
5) Vinyl Chloride	2.14	62	363267	48.81	ug/l	97
6) Bromomethane	2.54	94	152518	42.01	ug/l	99
7) Chloroethane	2.68	64	230631	45.59	ug/l	98
8) Trichlorofluoromethane	3.02	101	526144	46.80	ug/l	100
9) Diethyl Ether	3.42	74	238247	46.06	ug/l	87
10) 1,1,2-Trichlorotrifluoroet	3.79	101	330427	46.80	ug/l	96
11) Methyl Iodide	3.99	142	279871	40.78	ug/l	91
12) Tert butyl alcohol	4.80	59	243518	230.79	ug/l	98
13) 1,1-Dichloroethene	3.76	96	317725	46.99	ug/l	96
14) Acrolein	3.62	56	283725	228.90	ug/l	97
15) Allyl chloride	4.37	41	618334	45.27	ug/l #	83
16) Acrylonitrile	5.02	53	863265	250.19	ug/l	98
17) Acetone	3.82	43	692005	237.86	ug/l	96
18) Carbon Disulfide	4.11	76	958523	43.53	ug/l	100
19) Methyl Acetate	4.36	43	1045559	49.62	ug/l	95
20) Methyl tert-butyl Ether	5.12	73	1288094	47.45	ug/l	97
21) Methylene Chloride	4.60	84	388443	47.93	ug/l	98
22) trans-1,2-Dichloroethene	5.12	96	347253	47.48	ug/l	99
23) Diisopropyl ether	6.03	45	1358839	47.42	ug/l #	87
24) Vinyl Acetate	5.97	43	2299382	242.44	ug/l	98
25) 1,1-Dichloroethane	5.93	63	777953	46.73	ug/l	99
26) 2-Butanone	6.91	43	1064758	243.04	ug/l	95
27) 2,2-Dichloropropane	6.92	77	626682	43.39	ug/l	95
28) cis-1,2-Dichloroethene	6.92	96	412091	49.13	ug/l	96
29) Bromochloromethane	7.29	49	303567	46.98	ug/l	97
30) Tetrahydrofuran	7.31	42	694334	229.97	ug/l	91
31) Chloroform	7.46	83	734520	48.83	ug/l	99
32) Cyclohexane	7.77	56	706062	47.60	ug/l	90
33) 1,1,1-Trichloroethane	7.67	97	650132	48.48	ug/l	96
37) 1,1-Dichloropropene	7.89	75	558069	47.61	ug/l	98
38) Ethyl Acetate	7.02	43	490127	49.17	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	521174	47.30	ug/l	99
40) Methylcyclohexane	9.19	83	661509	46.35	ug/l	98
41) Benzene	8.14	78	1638589	47.92	ug/l	99
42) Methacrylonitrile	7.24	41	274157	48.39	ug/l #	91
43) 1,2-Dichloroethane	8.22	62	655424	47.58	ug/l	96
44) Isopropyl Acetate	8.25	43	891032	47.57	ug/l	99
45) Trichloroethene	8.93	130	329033	47.90	ug/l	91
46) 1,2-Dichloropropane	9.22	63	458425	46.59	ug/l	100
47) Dibromomethane	9.31	93	273908	47.41	ug/l	94
48) Bromodichloromethane	9.49	83	578577	47.52	ug/l	99
49) Methyl methacrylate	9.29	41	439130	47.06	ug/l #	88
50) 1,4-Dioxane	9.30	88	99870	912.53	ug/l	98
52) 4-Methyl-2-Pentanone	10.07	43	2343028	236.60	ug/l	100
53) Toluene	10.26	92	959645	47.91	ug/l	99
54) t-1,3-Dichloropropene	10.47	75	629242	46.03	ug/l	99
55) cis-1,3-Dichloropropene	9.93	75	684219	46.00	ug/l	93
56) 1,1,2-Trichloroethane	10.66	97	367198	48.78	ug/l	97
57) Ethyl methacrylate	10.52	69	600792	47.36	ug/l #	91
58) 1,3-Dichloropropane	10.81	76	669916	47.94	ug/l	98
59) 2-Chloroethyl Vinyl ether	9.78	63	1603514	275.28	ug/l	97
60) 2-Hexanone	10.84	43	1569339	232.76	ug/l	99
61) Dibromochloromethane	11.00	129	362742	47.18	ug/l	99
62) 1,2-Dibromoethane	11.11	107	355415	48.04	ug/l	100
65) Tetrachloroethene	10.74	164	258822	46.88	ug/l	95
66) Chlorobenzene	11.54	112	951289	46.68	ug/l	100
67) 1,1,1,2-Tetrachloroethane	11.62	131	325375	46.80	ug/l	99
68) Ethyl Benzene	11.62	91	1820683	47.11	ug/l	100
69) m/p-Xylenes	11.73	106	1258868	94.41	ug/l	91
70) o-Xylene	12.06	106	629371	47.08	ug/l	91
71) Styrene	12.07	104	1039135	48.16	ug/l	95
72) Bromoform	12.24	173	224489	46.43	ug/l #	99
74) Isopropylbenzene	12.36	105	1698640	46.81	ug/l	99
75) N-amyl acetate	12.17	43	739177	45.64	ug/l	98
76) 1,1,2,2-Tetrachloroethane	12.61	83	484166	51.81	ug/l	99
77) 1,2,3-Trichloropropane	12.66	75	422388m	42.44	ug/l	
78) Bromobenzene	12.64	156	332380	46.70	ug/l	94
79) n-propylbenzene	12.71	91	2022953	47.38	ug/l	97
80) 2-Chlorotoluene	12.79	91	1215669	47.42	ug/l	95
81) 1,3,5-Trimethylbenzene	12.85	105	1361808	46.71	ug/l	95
82) trans-1,4-Dichloro-2-buten	12.40	75	169122	41.74	ug/l	92
83) 4-Chlorotoluene	12.89	91	1203699	47.79	ug/l	96
84) tert-Butylbenzene	13.11	119	1092539	45.42	ug/l	89
85) 1,2,4-Trimethylbenzene	13.16	105	1357952	46.37	ug/l	95
86) sec-Butylbenzene	13.29	105	1666813	47.30	ug/l	99
87) p-Isopropyltoluene	13.41	119	1267868	46.71	ug/l	95
88) 1,3-Dichlorobenzene	13.41	146	583521	47.92	ug/l	96
89) 1,4-Dichlorobenzene	13.49	146	566704	45.95	ug/l	94
90) n-Butylbenzene	13.74	91	1247451	47.36	ug/l	99
91) Hexachloroethane	14.01	117	265388	44.68	ug/l	92
92) 1,2-Dichlorobenzene	13.78	146	579025	48.11	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2-Dibromo-3-Chloropropan	14.40	75	97648	47.03	ug/l	86
94) 1,2,4-Trichlorobenzene	15.05	180	315564	48.54	ug/l	97
95) Hexachlorobutadiene	15.16	225	157140	45.90	ug/l	99
96) Naphthalene	15.29	128	918703	48.20	ug/l	100
97) 1,2,3-Trichlorobenzene	15.47	180	311217	48.16	ug/l	99

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

