

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091715\
 Data File : VN027264.D
 Acq On : 17 Sep 2015 19:22
 Operator : MD\FY
 Sample : G3704-12MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12-9-15-15MS

Manual Integrations
 APPROVED

MMDadoda
 9/18/2015 12:23:36 PM

Quant Time: Sep 18 03:41:56 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	530873	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1019563	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	863946	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	328316	50.00	ug/l	0.00

System Monitoring Compounds						
34) 1,2-Dichloroethane-d4	8.12	65	552851	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	
36) Dibromofluoromethane	7.68	113	353906	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
51) Toluene-d8	10.19	98	1362031	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
63) 4-Bromofluorobenzene	12.52	95	482898	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.80	85	284749	44.83	ug/l	98
3) Chlorodifluoromethane	1.81	51	353626	48.11	ug/l	94
4) Chloromethane	2.01	50	317711	44.78	ug/l	99
5) Vinyl Chloride	2.14	62	359283	47.89	ug/l	99
6) Bromomethane	2.54	94	127359	35.08	ug/l	100
7) Chloroethane	2.68	64	236716	46.42	ug/l	99
8) Trichlorofluoromethane	3.02	101	528697	46.65	ug/l	99
9) Diethyl Ether	3.42	74	243639	46.72	ug/l	85
10) 1,1,2-Trichlorotrifluoroet	3.79	101	328975	46.22	ug/l	96
11) Methyl Iodide	3.99	142	243420	35.19	ug/l	92
12) Tert butyl alcohol	4.80	59	249730	234.79	ug/l	100
13) 1,1-Dichloroethene	3.77	96	317417	46.57	ug/l	93
14) Acrolein	3.62	56	289548	231.73	ug/l	97
15) Allyl chloride	4.37	41	623070	45.25	ug/l #	83
16) Acrylonitrile	5.02	53	847218	243.58	ug/l	98
17) Acetone	3.82	43	659382	224.84	ug/l	98
18) Carbon Disulfide	4.11	76	956645	43.10	ug/l	100
19) Methyl Acetate	4.36	43	995482	46.87	ug/l	95
20) Methyl tert-butyl Ether	5.12	73	1268371	46.35	ug/l	96
21) Methylene Chloride	4.60	84	386143	47.27	ug/l	99
22) trans-1,2-Dichloroethene	5.12	96	342298	46.43	ug/l	95
23) Diisopropyl ether	6.03	45	1348100	46.67	ug/l #	88
24) Vinyl Acetate	5.97	43	2228522	233.09	ug/l	98
25) 1,1-Dichloroethane	5.93	63	778465	46.39	ug/l	99
26) 2-Butanone	6.91	43	1038569	235.17	ug/l	95
27) 2,2-Dichloropropane	6.92	77	639790	43.94	ug/l	95
28) cis-1,2-Dichloroethene	6.92	96	415734	49.17	ug/l	99
29) Bromochloromethane	7.29	49	320900	49.27	ug/l	96
30) Tetrahydrofuran	7.31	42	668255	219.56	ug/l	89
31) Chloroform	7.46	83	745900	49.20	ug/l	98
32) Cyclohexane	7.77	56	722095	48.31	ug/l	95
33) 1,1,1-Trichloroethane	7.67	97	644378	47.66	ug/l	96
37) 1,1-Dichloropropene	7.89	75	555070	46.51	ug/l	99
38) Ethyl Acetate	7.02	43	465060	45.74	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	524525	46.75	ug/l	99
40) Methylcyclohexane	9.19	83	659933	45.41	ug/l	97
41) Benzene	8.14	78	1630887	46.83	ug/l	99
42) Methacrylonitrile	7.24	41	274299	47.54	ug/l	92
43) 1,2-Dichloroethane	8.22	62	651817	46.46	ug/l	95
44) Isopropyl Acetate	8.25	43	865231	45.37	ug/l	98
45) Trichloroethene	8.93	130	330454	47.25	ug/l	94
46) 1,2-Dichloropropane	9.22	63	458137	45.73	ug/l	98
47) Dibromomethane	9.30	93	270421	45.97	ug/l	94
48) Bromodichloromethane	9.49	83	579840	46.77	ug/l	100
49) Methyl methacrylate	9.29	41	428231	45.07	ug/l #	87
50) 1,4-Dioxane	9.30	88	100147	898.63	ug/l	97
52) 4-Methyl-2-Pentanone	10.07	43	2305471	228.63	ug/l	99
53) Toluene	10.26	92	952449	46.69	ug/l	99
54) t-1,3-Dichloropropene	10.47	75	630031	45.26	ug/l	98
55) cis-1,3-Dichloropropene	9.93	75	680148	44.91	ug/l	93
56) 1,1,2-Trichloroethane	10.66	97	367016	47.88	ug/l	97
57) Ethyl methacrylate	10.52	69	596281	46.16	ug/l #	89
58) 1,3-Dichloropropane	10.80	76	671909	47.22	ug/l	98
60) 2-Hexanone	10.84	43	1548955	225.61	ug/l	100
61) Dibromochloromethane	11.00	129	360437	46.04	ug/l	100
62) 1,2-Dibromoethane	11.11	107	352429	46.78	ug/l	99
65) Tetrachloroethene	10.74	164	255428	46.23	ug/l	94
66) Chlorobenzene	11.54	112	949046	46.53	ug/l	99
67) 1,1,1,2-Tetrachloroethane	11.62	131	328343	47.19	ug/l	98
68) Ethyl Benzene	11.62	91	1812075	46.85	ug/l	100
69) m/p-Xylenes	11.73	106	1255050	94.05	ug/l	91
70) o-Xylene	12.06	106	620621	46.39	ug/l	90
71) Styrene	12.07	104	1026360	47.53	ug/l	95
72) Bromoform	12.24	173	224059	46.31	ug/l #	98
74) Isopropylbenzene	12.36	105	1684730	46.57	ug/l	98
75) N-amyl acetate	12.17	43	734371	45.48	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	476304	51.07	ug/l	98
77) 1,2,3-Trichloropropane	12.66	75	414708m	41.80	ug/l	
78) Bromobenzene	12.64	156	329655	46.46	ug/l	94
79) n-propylbenzene	12.71	91	1997956	46.94	ug/l	98
80) 2-Chlorotoluene	12.79	91	1196152	46.80	ug/l	95
81) 1,3,5-Trimethylbenzene	12.85	105	1348829	46.40	ug/l	95
82) trans-1,4-Dichloro-2-buten	12.40	75	170934	42.31	ug/l	91
83) 4-Chlorotoluene	12.89	91	1193579	47.53	ug/l	96
84) tert-Butylbenzene	13.11	119	1085739	45.28	ug/l	89
85) 1,2,4-Trimethylbenzene	13.16	105	1367091	46.83	ug/l	95
86) sec-Butylbenzene	13.29	105	1635546	46.56	ug/l	99
87) p-Isopropyltoluene	13.41	119	1247310	46.10	ug/l	94
88) 1,3-Dichlorobenzene	13.41	146	577777	47.59	ug/l	96
89) 1,4-Dichlorobenzene	13.49	146	561765	45.69	ug/l	95
90) n-Butylbenzene	13.74	91	1238996	47.19	ug/l	98
91) Hexachloroethane	14.01	117	264554	44.68	ug/l	93
92) 1,2-Dichlorobenzene	13.78	146	579072	48.27	ug/l	97
93) 1,2-Dibromo-3-Chloropropan	14.40	75	95529	46.13	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) 1,2,4-Trichlorobenzene	15.05	180	314090	48.46	ug/l	98
95) Hexachlorobutadiene	15.16	225	155313	45.50	ug/l	99
96) Naphthalene	15.29	128	905468	47.66	ug/l	100
97) 1,2,3-Trichlorobenzene	15.47	180	306090	47.51	ug/l	98

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

