

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091715\
 Data File : VN027265.D
 Acq On : 17 Sep 2015 19:49
 Operator : MD\FY
 Sample : G3704-13MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 9/18/2015 12:23:40 PM

Quant Time: Sep 18 03:43:51 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	522470	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	999193	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	855976	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	331635	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) 1,2-Dichloroethane-d4	8.12	65	534094	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
36) Dibromofluoromethane	7.68	113	338528	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
51) Toluene-d8	10.19	98	1303411	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
63) 4-Bromofluorobenzene	12.52	95	456107	47.38	ug/l	0.00
Spiked Amount			Recovery	=	94.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.80	85	291681	46.66	ug/l	99
3) Chlorodifluoromethane	1.82	51	364396	50.37	ug/l	93
4) Chloromethane	2.01	50	328732	47.02	ug/l	99
5) Vinyl Chloride	2.14	62	365052	49.44	ug/l	97
6) Bromomethane	2.54	94	149065	41.41	ug/l	95
7) Chloroethane	2.68	64	234871	46.80	ug/l	99
8) Trichlorofluoromethane	3.02	101	544803	48.85	ug/l	97
9) Diethyl Ether	3.42	74	249780	48.67	ug/l	84
10) 1,1,2-Trichlorotrifluoroet	3.79	101	339174	48.42	ug/l	96
11) Methyl Iodide	3.99	142	264159	38.80	ug/l	93
12) Tert butyl alcohol	4.80	59	251210	239.98	ug/l	99
13) 1,1-Dichloroethene	3.77	96	326659	48.70	ug/l	95
14) Acrolein	3.62	56	307693	250.21	ug/l	96
15) Allyl chloride	4.37	41	632606	46.69	ug/l #	82
16) Acrylonitrile	5.02	53	867886	253.53	ug/l	97
17) Acetone	3.82	43	673459	233.33	ug/l	96
18) Carbon Disulfide	4.11	76	981163	44.91	ug/l	99
19) Methyl Acetate	4.36	43	1027341	49.14	ug/l	95
20) Methyl tert-butyl Ether	5.12	73	1307456	48.55	ug/l	96
21) Methylene Chloride	4.60	84	392674	48.84	ug/l	98
22) trans-1,2-Dichloroethene	5.12	96	349558	48.18	ug/l	94
23) Diisopropyl ether	6.04	45	1375584	48.39	ug/l #	91
24) Vinyl Acetate	5.97	43	2225806m	236.55	ug/l	
25) 1,1-Dichloroethane	5.93	63	792839	48.01	ug/l	99
26) 2-Butanone	6.91	43	1063682	244.73	ug/l	98
27) 2,2-Dichloropropane	6.92	77	645342	45.04	ug/l	95
28) cis-1,2-Dichloroethene	6.92	96	420276	50.50	ug/l	98
29) Bromochloromethane	7.29	49	296105	46.19	ug/l	95
30) Tetrahydrofuran	7.31	42	697056	232.71	ug/l	91
31) Chloroform	7.46	83	750591	50.30	ug/l	98
32) Cyclohexane	7.77	56	722505	49.13	ug/l	93
33) 1,1,1-Trichloroethane	7.67	97	654460	49.19	ug/l	97
37) 1,1-Dichloropropene	7.89	75	565028	48.31	ug/l	98
38) Ethyl Acetate	7.02	43	469310	47.14	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	526375	47.87	ug/l	99
40) Methylcyclohexane	9.19	83	663030	46.55	ug/l	97
41) Benzene	8.14	78	1634566	47.90	ug/l	99
42) Methacrylonitrile	7.24	41	276407	48.89	ug/l #	91
43) 1,2-Dichloroethane	8.22	62	663273	48.24	ug/l	95
44) Isopropyl Acetate	8.25	43	879040	47.03	ug/l	99
45) Trichloroethene	8.93	130	328058	47.86	ug/l	90
46) 1,2-Dichloropropane	9.22	63	460440	46.90	ug/l	98
47) Dibromomethane	9.31	93	275737	47.83	ug/l	93
48) Bromodichloromethane	9.49	83	585727	48.21	ug/l	98
49) Methyl methacrylate	9.29	41	436225	46.84	ug/l #	85
50) 1,4-Dioxane	9.30	88	103261	945.46	ug/l	96
52) 4-Methyl-2-Pentanone	10.07	43	2355072	238.31	ug/l	99
53) Toluene	10.26	92	954173	47.73	ug/l	100
54) t-1,3-Dichloropropene	10.47	75	631936	46.32	ug/l	99
55) cis-1,3-Dichloropropene	9.93	75	684144	46.09	ug/l	92
56) 1,1,2-Trichloroethane	10.66	97	365936	48.71	ug/l	99
57) Ethyl methacrylate	10.52	69	599279	47.33	ug/l #	90
58) 1,3-Dichloropropane	10.81	76	673978	48.33	ug/l	98
60) 2-Hexanone	10.84	43	1575905	234.22	ug/l	100
61) Dibromochloromethane	11.00	129	365450	47.63	ug/l	100
62) 1,2-Dibromoethane	11.11	107	356368	48.27	ug/l	100
65) Tetrachloroethene	10.74	164	251355	45.92	ug/l	94
66) Chlorobenzene	11.54	112	946479	46.84	ug/l	99
67) 1,1,1,2-Tetrachloroethane	11.62	131	319305	46.32	ug/l	98
68) Ethyl Benzene	11.62	91	1821772	47.54	ug/l	99
69) m/p-Xylenes	11.73	106	1257184	95.09	ug/l	91
70) o-Xylene	12.06	106	629270	47.48	ug/l	91
71) Styrene	12.07	104	1035676	48.41	ug/l	95
72) Bromoform	12.24	173	223578	46.64	ug/l #	99
74) Isopropylbenzene	12.36	105	1699637	46.51	ug/l	97
75) N-amyl acetate	12.17	43	742029	45.50	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	487229	51.77	ug/l	99
77) 1,2,3-Trichloropropane	12.66	75	456992m	45.60	ug/l	
78) Bromobenzene	12.64	156	334055	46.61	ug/l	94
79) n-propylbenzene	12.71	91	2011741	46.79	ug/l	98
80) 2-Chlorotoluene	12.79	91	1206535	46.73	ug/l	95
81) 1,3,5-Trimethylbenzene	12.85	105	1361979	46.39	ug/l	95
82) trans-1,4-Dichloro-2-buten	12.40	75	168057	41.19	ug/l	93
83) 4-Chlorotoluene	12.89	91	1196183	47.16	ug/l	95
84) tert-Butylbenzene	13.11	119	1088153	44.92	ug/l	89
85) 1,2,4-Trimethylbenzene	13.16	105	1383716	46.92	ug/l	94
86) sec-Butylbenzene	13.29	105	1640330	46.22	ug/l	99
87) p-Isopropyltoluene	13.41	119	1253004	45.84	ug/l	95
88) 1,3-Dichlorobenzene	13.41	146	579374	47.25	ug/l	96
89) 1,4-Dichlorobenzene	13.49	146	573313	46.16	ug/l	95
90) n-Butylbenzene	13.74	91	1248605	47.08	ug/l	99
91) Hexachloroethane	14.01	117	265130	44.33	ug/l	92
92) 1,2-Dichlorobenzene	13.78	146	576789	47.59	ug/l	96
93) 1,2-Dibromo-3-Chloropropan	14.40	75	101804	48.74	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) 1,2,4-Trichlorobenzene	15.05	180	315358	48.17	ug/l	99
95) Hexachlorobutadiene	15.16	225	155423	45.08	ug/l	99
96) Naphthalene	15.29	128	938415	48.90	ug/l	100
97) 1,2,3-Trichlorobenzene	15.47	180	315260	48.44	ug/l	97

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

