

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091715\
 Data File : VN027266.D
 Acq On : 17 Sep 2015 20:17
 Operator : MD\FY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/18/2015 12:23:46 PM

Quant Time: Sep 18 03:45:31 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	522111	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	997584	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	845381	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	326555	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	575859	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	
36) Dibromofluoromethane	7.68	113	358361	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
51) Toluene-d8	10.19	98	1397758	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
63) 4-Bromofluorobenzene	12.52	95	499619	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	294545	47.15	ug/l	99
3) Chlorodifluoromethane	1.82	51	372648	51.55	ug/l	# 92
4) Chloromethane	2.01	50	324841	46.51	ug/l	98
5) Vinyl Chloride	2.14	62	363186	49.22	ug/l	99
6) Bromomethane	2.54	94	156739	43.49	ug/l	99
7) Chloroethane	2.68	64	235303	46.92	ug/l	99
8) Trichlorofluoromethane	3.02	101	537140	48.19	ug/l	98
9) Diethyl Ether	3.42	74	242283	47.24	ug/l	86
10) 1,1,2-Trichlorotrifluoroet	3.79	101	332622	47.52	ug/l	96
11) Methyl Iodide	3.99	142	264206	38.83	ug/l	93
12) Tert butyl alcohol	4.80	59	248286	237.35	ug/l	97
13) 1,1-Dichloroethene	3.76	96	316219	47.17	ug/l	92
14) Acrolein	3.62	56	372296	302.96	ug/l	96
15) Allyl chloride	4.37	41	628664	46.43	ug/l	# 83
16) Acrylonitrile	5.02	53	879168	257.00	ug/l	99
17) Acetone	3.82	43	692470	240.09	ug/l	95
18) Carbon Disulfide	4.11	76	971117	44.48	ug/l	100
19) Methyl Acetate	4.36	43	1054338	50.47	ug/l	95
20) Methyl tert-butyl Ether	5.12	73	1301912	48.37	ug/l	97
21) Methylene Chloride	4.60	84	390921	48.65	ug/l	98
22) trans-1,2-Dichloroethene	5.12	96	346859	47.84	ug/l	93
23) Diisopropyl ether	6.04	45	1356852	47.76	ug/l	# 90
24) Vinyl Acetate	5.97	43	2325659	247.33	ug/l	98
25) 1,1-Dichloroethane	5.93	63	781586	47.36	ug/l	99
26) 2-Butanone	6.91	43	1077313	248.04	ug/l	97
27) 2,2-Dichloropropane	6.92	77	627228	43.80	ug/l	94
28) cis-1,2-Dichloroethene	6.92	96	409830	49.28	ug/l	96
29) Bromochloromethane	7.29	49	298664	46.62	ug/l	97
30) Tetrahydrofuran	7.31	42	696921	232.82	ug/l	91
31) Chloroform	7.46	83	742649	49.80	ug/l	100
32) Cyclohexane	7.77	56	717111	48.79	ug/l	93
33) 1,1,1-Trichloroethane	7.67	97	651377	48.99	ug/l	96
37) 1,1-Dichloropropene	7.89	75	556976	47.69	ug/l	98
38) Ethyl Acetate	7.01	43	495183	49.88	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	524143	47.74	ug/l	99
40) Methylcyclohexane	9.19	83	662681	46.60	ug/l	97
41) Benzene	8.14	78	1622417	47.62	ug/l	99
42) Methacrylonitrile	7.24	41	276682	49.01	ug/l #	91
43) 1,2-Dichloroethane	8.22	62	648889	47.27	ug/l	96
44) Isopropyl Acetate	8.25	43	892579	47.83	ug/l	98
45) Trichloroethene	8.93	130	327837	47.90	ug/l	90
46) 1,2-Dichloropropane	9.22	63	455396	46.46	ug/l	99
47) Dibromomethane	9.31	93	273757	47.56	ug/l	93
48) Bromodichloromethane	9.49	83	575058	47.41	ug/l	98
49) Methyl methacrylate	9.29	41	433831	46.66	ug/l #	86
50) 1,4-Dioxane	9.30	88	103899	952.83	ug/l	98
52) 4-Methyl-2-Pentanone	10.07	43	2335305	236.69	ug/l	99
53) Toluene	10.26	92	951277	47.66	ug/l	99
54) t-1,3-Dichloropropene	10.47	75	625500	45.92	ug/l	99
55) cis-1,3-Dichloropropene	9.93	75	684670	46.20	ug/l	93
56) 1,1,2-Trichloroethane	10.66	97	366307	48.84	ug/l	97
57) Ethyl methacrylate	10.52	69	602084	47.63	ug/l #	90
58) 1,3-Dichloropropane	10.81	76	668922	48.04	ug/l	97
59) 2-Chloroethyl Vinyl ether	9.78	63	1506034	259.50	ug/l	98
60) 2-Hexanone	10.84	43	1585581	236.04	ug/l	99
61) Dibromochloromethane	11.00	129	358570	46.81	ug/l	99
62) 1,2-Dibromoethane	11.11	107	354714	48.12	ug/l	99
65) Tetrachloroethene	10.74	164	258058	47.73	ug/l	95
66) Chlorobenzene	11.54	112	951642	47.68	ug/l	100
67) 1,1,1,2-Tetrachloroethane	11.62	131	322376	47.35	ug/l	98
68) Ethyl Benzene	11.62	91	1818938	48.06	ug/l	100
69) m/p-Xylenes	11.73	106	1259967	96.49	ug/l	90
70) o-Xylene	12.06	106	625922	47.82	ug/l	90
71) Styrene	12.07	104	1039687	49.20	ug/l	95
72) Bromoform	12.24	173	222829	47.07	ug/l #	100
74) Isopropylbenzene	12.36	105	1681075	46.72	ug/l	99
75) N-amyl acetate	12.17	43	746198	46.46	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	482419	52.07	ug/l	99
77) 1,2,3-Trichloropropane	12.66	75	459225m	46.53	ug/l	
78) Bromobenzene	12.64	156	331375	46.96	ug/l	92
79) n-propylbenzene	12.71	91	2004317	47.34	ug/l	98
80) 2-Chlorotoluene	12.79	91	1205024	47.40	ug/l	96
81) 1,3,5-Trimethylbenzene	12.85	105	1362084	47.11	ug/l	95
82) trans-1,4-Dichloro-2-buten	12.40	75	168778	42.01	ug/l	93
83) 4-Chlorotoluene	12.89	91	1198319	47.97	ug/l	96
84) tert-Butylbenzene	13.11	119	1115350	46.76	ug/l	90
85) 1,2,4-Trimethylbenzene	13.16	105	1370651	47.20	ug/l	96
86) sec-Butylbenzene	13.29	105	1654003	47.33	ug/l	99
87) p-Isopropyltoluene	13.41	119	1255778	46.66	ug/l	94
88) 1,3-Dichlorobenzene	13.41	146	584535	48.41	ug/l	96
89) 1,4-Dichlorobenzene	13.49	146	576632	47.15	ug/l	95
90) n-Butylbenzene	13.74	91	1257888	48.16	ug/l	98
91) Hexachloroethane	14.01	117	260695	44.26	ug/l	93
92) 1,2-Dichlorobenzene	13.78	146	569551	47.73	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	97195	47.22	ug/l	89
94) 1,2,4-Trichlorobenzene	15.05	180	318947	49.48	ug/l	98
95) Hexachlorobutadiene	15.16	225	154037	45.37	ug/l	98
96) Naphthalene	15.29	128	927660	49.09	ug/l	99
97) 1,2,3-Trichlorobenzene	15.47	180	316186	49.34	ug/l	97

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

