

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN092115\
 Data File : VN027331.D
 Acq On : 21 Sep 2015 13:39
 Operator : MD\FY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092115

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 2:28:08 PM

Quant Time: Sep 22 01:39:20 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N092115W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 21 13:12:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	577818	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1109822	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	945709	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	372405	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	516882	45.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.40%	
36) Dibromofluoromethane	7.68	113	323703	44.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.40%	
51) Toluene-d8	10.19	98	1263898	45.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.30%	
63) 4-Bromofluorobenzene	12.52	95	459377	45.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	296883	49.50	ug/l	99
3) Chlorodifluoromethane	1.82	51	377023	49.64	ug/l	94
4) Chloromethane	2.01	50	335036	48.76	ug/l	100
5) Vinyl Chloride	2.14	62	374014	48.79	ug/l	99
6) Bromomethane	2.54	94	159902	51.22	ug/l	99
7) Chloroethane	2.69	64	237292	48.69	ug/l	98
8) Trichlorofluoromethane	3.02	101	559362	50.25	ug/l	97
9) Diethyl Ether	3.42	74	249663	50.47	ug/l	84
10) 1,1,2-Trichlorotrifluoroet	3.79	101	353611	50.09	ug/l	95
11) Methyl Iodide	3.99	142	225993	41.68	ug/l	92
12) Tert butyl alcohol	4.80	59	233630	258.91	ug/l	98
13) 1,1-Dichloroethene	3.77	96	332500	50.39	ug/l	96
14) Acrolein	3.62	56	330968	282.91	ug/l	97
15) Allyl chloride	4.37	41	645324	50.14	ug/l	# 82
16) Acrylonitrile	5.02	53	857829	261.81	ug/l	98
17) Acetone	3.82	43	806094	261.95	ug/l	96
18) Carbon Disulfide	4.11	76	962330	48.71	ug/l	99
19) Methyl Acetate	4.36	43	1045233	54.75	ug/l	95
20) Methyl tert-butyl Ether	5.12	73	1335336	50.69	ug/l	97
21) Methylene Chloride	4.60	84	402043	49.07	ug/l	98
22) trans-1,2-Dichloroethene	5.12	96	358475	49.41	ug/l	99
23) Diisopropyl ether	6.03	45	1403210	50.14	ug/l	89
24) Vinyl Acetate	5.97	43	2402464	255.53	ug/l	98
25) 1,1-Dichloroethane	5.93	63	817131	50.10	ug/l	100
26) 2-Butanone	6.91	43	1103328	273.79	ug/l	95
27) 2,2-Dichloropropane	6.92	77	728839	51.87	ug/l	94
28) cis-1,2-Dichloroethene	6.92	96	428871	50.04	ug/l	95
29) Bromochloromethane	7.29	49	323908	50.62	ug/l	98
30) Tetrahydrofuran	7.31	42	674570	264.07	ug/l	89
31) Chloroform	7.45	83	775142	50.60	ug/l	99
32) Cyclohexane	7.77	56	734515	50.62	ug/l	94
33) 1,1,1-Trichloroethane	7.67	97	682443	50.28	ug/l	97
37) 1,1-Dichloropropene	7.89	75	582693	48.71	ug/l	98
38) Ethyl Acetate	7.02	43	475584	51.49	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	552713	49.10	ug/l	98
40) Methylcyclohexane	9.19	83	684966	48.21	ug/l	98
41) Benzene	8.14	78	1688125	48.63	ug/l	100
42) Methacrylonitrile	7.24	41	275624	50.55	ug/l #	90
43) 1,2-Dichloroethane	8.22	62	694420	49.07	ug/l	95
44) Isopropyl Acetate	8.25	43	901746	51.08	ug/l	99
45) Trichloroethene	8.93	130	337366	48.51	ug/l	90
46) 1,2-Dichloropropane	9.22	63	477322	49.13	ug/l	100
47) Dibromomethane	9.31	93	284655	48.81	ug/l	93
48) Bromodichloromethane	9.49	83	613133	49.58	ug/l	99
49) Methyl methacrylate	9.29	41	434704	52.32	ug/l #	86
50) 1,4-Dioxane	9.30	88	97972	977.03	ug/l	96
52) 4-Methyl-2-Pentanone	10.07	43	2310083	254.43	ug/l	99
53) Toluene	10.26	92	983774	47.91	ug/l	99
54) t-1,3-Dichloropropene	10.47	75	667430	50.55	ug/l	100
55) cis-1,3-Dichloropropene	9.93	75	723289	49.87	ug/l	93
56) 1,1,2-Trichloroethane	10.66	97	377146	49.25	ug/l	98
57) Ethyl methacrylate	10.52	69	612201	50.37	ug/l #	89
58) 1,3-Dichloropropane	10.81	76	692593	49.07	ug/l	98
59) 2-Chloroethyl Vinyl ether	9.78	63	1393475	258.71	ug/l	98
60) 2-Hexanone	10.84	43	1597371	258.87	ug/l	99
61) Dibromochloromethane	11.00	129	379178	50.56	ug/l	100
62) 1,2-Dibromoethane	11.11	107	363616	49.93	ug/l	99
65) Tetrachloroethene	10.74	164	263996	46.90	ug/l	95
66) Chlorobenzene	11.54	112	984929	48.58	ug/l	99
67) 1,1,1,2-Tetrachloroethane	11.62	131	339623	49.91	ug/l	99
68) Ethyl Benzene	11.62	91	1887651	49.35	ug/l	99
69) m/p-Xylenes	11.73	106	1303690	98.32	ug/l	90
70) o-Xylene	12.06	106	643540	48.03	ug/l	88
71) Styrene	12.07	104	1082980	50.77	ug/l	94
72) Bromoform	12.24	173	229716	50.32	ug/l #	100
74) Isopropylbenzene	12.36	105	1773339	47.53	ug/l	98
75) N-amyl acetate	12.17	43	753720	50.92	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	492066	46.86	ug/l	99
77) 1,2,3-Trichloropropane	12.66	75	429292m	45.91	ug/l	
78) Bromobenzene	12.64	156	346486	47.46	ug/l	93
79) n-propylbenzene	12.71	91	2124728	47.75	ug/l	97
80) 2-Chlorotoluene	12.79	91	1258084	46.25	ug/l	95
81) 1,3,5-Trimethylbenzene	12.85	105	1422256	47.16	ug/l	95
82) trans-1,4-Dichloro-2-buten	12.40	75	178244	48.89	ug/l	93
83) 4-Chlorotoluene	12.89	91	1259538	47.45	ug/l	95
84) tert-Butylbenzene	13.11	119	1139062	46.84	ug/l	87
85) 1,2,4-Trimethylbenzene	13.16	105	1429801	47.67	ug/l	94
86) sec-Butylbenzene	13.29	105	1749127	48.29	ug/l	99
87) p-Isopropyltoluene	13.41	119	1322882	48.71	ug/l	94
88) 1,3-Dichlorobenzene	13.41	146	614996	48.82	ug/l	96
89) 1,4-Dichlorobenzene	13.49	146	603754	47.36	ug/l	95
90) n-Butylbenzene	13.74	91	1352632	49.87	ug/l	98
91) Hexachloroethane	14.01	117	275666	47.47	ug/l	92
92) 1,2-Dichlorobenzene	13.78	146	600279	47.70	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	100616	48.89	ug/l	86
94) 1,2,4-Trichlorobenzene	15.05	180	335976	51.66	ug/l	98
95) Hexachlorobutadiene	15.16	225	168869	47.39	ug/l	98
96) Naphthalene	15.29	128	931798	47.02	ug/l	100
97) 1,2,3-Trichlorobenzene	15.47	180	329248	50.81	ug/l	97

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

