

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN092115\
 Data File : VN027327.D
 Acq On : 21 Sep 2015 11:14
 Operator : MD\FY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 2:27:49 PM

Quant Time: Sep 21 12:24:19 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N092115W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 21 12:16:44 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	565357	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1069552	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	913490	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	338402	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	240885	20.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.58%	
36) Dibromofluoromethane	7.68	113	152620	20.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.18%	
51) Toluene-d8	10.19	98	582071	20.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.10%	
63) 4-Bromofluorobenzene	12.52	95	207480	20.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	118148	17.46	ug/l	96
3) Chlorodifluoromethane	1.82	51	151065	19.30	ug/l #	92
4) Chloromethane	2.01	50	131921	16.19	ug/l	99
5) Vinyl Chloride	2.14	62	151144	18.92	ug/l	98
6) Bromomethane	2.55	94	57438	14.12	ug/l	92
7) Chloroethane	2.69	64	94651	17.43	ug/l	97
8) Trichlorofluoromethane	3.02	101	219078	18.15	ug/l	97
9) Diethyl Ether	3.42	74	98641	17.76	ug/l	88
10) 1,1,2-Trichlorotrifluoroet	3.79	101	139220	18.37	ug/l	96
11) Methyl Iodide	3.99	142	86955	11.80	ug/l #	89
12) Tert butyl alcohol	4.80	59	94914	83.79	ug/l	97
13) 1,1-Dichloroethene	3.77	96	130473	17.97	ug/l	95
14) Acrolein	3.62	56	117574	88.36	ug/l	95
15) Allyl chloride	4.37	41	251932	17.18	ug/l #	83
16) Acrylonitrile	5.03	53	325501	87.87	ug/l	99
17) Acetone	3.83	43	321665	102.99	ug/l	98
18) Carbon Disulfide	4.11	76	385266	16.30	ug/l	100
19) Methyl Acetate	4.36	43	404755	17.89	ug/l	95
20) Methyl tert-butyl Ether	5.12	73	530293	18.20	ug/l	96
21) Methylene Chloride	4.60	84	158172	18.18	ug/l	96
22) trans-1,2-Dichloroethene	5.12	96	141875	18.07	ug/l	98
23) Diisopropyl ether	6.04	45	548323	17.82	ug/l #	87
24) Vinyl Acetate	5.97	43	870643m	85.51	ug/l	
25) 1,1-Dichloroethane	5.93	63	320013	17.91	ug/l	99
26) 2-Butanone	6.91	43	435970	92.70	ug/l	96
27) 2,2-Dichloropropane	6.92	77	286620	18.49	ug/l	94
28) cis-1,2-Dichloroethene	6.92	96	169137	18.78	ug/l	96
29) Bromochloromethane	7.29	49	147496	21.26	ug/l	98
30) Tetrahydrofuran	7.32	42	259880	80.18	ug/l #	87
31) Chloroform	7.46	83	305119	18.90	ug/l	95
32) Cyclohexane	7.77	56	303968	15.32	ug/l #	90
33) 1,1,1-Trichloroethane	7.67	97	265634	18.45	ug/l	97
37) 1,1-Dichloropropene	7.89	75	224331	17.92	ug/l	100
38) Ethyl Acetate	7.02	43	189370	16.46	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	214254	18.20	ug/l	100
40) Methylcyclohexane	9.19	83	266516	17.48	ug/l	97
41) Benzene	8.14	78	666482	18.24	ug/l	99
42) Methacrylonitrile	7.24	41	104019	17.19	ug/l #	87
43) 1,2-Dichloroethane	8.22	62	266140	18.08	ug/l	96
44) Isopropyl Acetate	8.25	43	340813	17.03	ug/l	97
45) Trichloroethene	8.94	130	131496	17.92	ug/l	89
46) 1,2-Dichloropropane	9.22	63	187564	17.85	ug/l	100
47) Dibromomethane	9.31	93	110391	17.89	ug/l	94
48) Bromodichloromethane	9.50	83	235642	18.12	ug/l	98
49) Methyl methacrylate	9.29	41	163240	16.38	ug/l #	85
50) 1,4-Dioxane	9.30	88	39733	339.86	ug/l	98
52) 4-Methyl-2-Pentanone	10.07	43	918211	86.80	ug/l	98
53) Toluene	10.26	92	389315	18.19	ug/l	98
54) t-1,3-Dichloropropene	10.47	75	252527	17.29	ug/l	99
55) cis-1,3-Dichloropropene	9.93	75	275656	17.35	ug/l	92
56) 1,1,2-Trichloroethane	10.66	97	148363	18.45	ug/l	99
57) Ethyl methacrylate	10.52	69	236049	17.42	ug/l #	91
58) 1,3-Dichloropropane	10.81	76	270752	18.14	ug/l	97
59) 2-Chloroethyl Vinyl ether	9.78	63	542865	87.24	ug/l	98
60) 2-Hexanone	10.84	43	628492	87.26	ug/l	99
61) Dibromochloromethane	11.00	129	145307	17.69	ug/l	98
62) 1,2-Dibromoethane	11.11	107	139892	17.70	ug/l	100
65) Tetrachloroethene	10.74	164	104242	17.84	ug/l	93
66) Chlorobenzene	11.54	112	385610	17.88	ug/l	99
67) 1,1,1,2-Tetrachloroethane	11.62	131	130558	17.75	ug/l	98
68) Ethyl Benzene	11.62	91	722769	17.67	ug/l	100
69) m/p-Xylenes	11.73	106	503282	35.67	ug/l	91
70) o-Xylene	12.06	106	251472	17.78	ug/l	89
71) Styrene	12.08	104	407502	17.85	ug/l	95
72) Bromoform	12.24	173	88476	17.29	ug/l #	98
74) Isopropylbenzene	12.36	105	679591	18.22	ug/l	99
75) N-amyl acetate	12.17	43	277235	16.66	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	194700	17.58	ug/l	98
77) 1,2,3-Trichloropropane	12.66	75	186913m	18.28	ug/l	
78) Bromobenzene	12.64	156	131728	18.01	ug/l	92
79) n-propylbenzene	12.71	91	802559	18.29	ug/l	98
80) 2-Chlorotoluene	12.79	91	492872	18.71	ug/l	95
81) 1,3,5-Trimethylbenzene	12.85	105	546232	18.23	ug/l	94
82) trans-1,4-Dichloro-2-buten	12.40	75	67211	16.14	ug/l	94
83) 4-Chlorotoluene	12.89	91	479341	18.52	ug/l	96
84) tert-Butylbenzene	13.11	119	438704	17.75	ug/l	89
85) 1,2,4-Trimethylbenzene	13.16	105	545635	18.13	ug/l	95
86) sec-Butylbenzene	13.29	105	658157	18.18	ug/l	99
87) p-Isopropyltoluene	13.41	119	495495	17.77	ug/l	95
88) 1,3-Dichlorobenzene	13.41	146	227757	18.20	ug/l	96
89) 1,4-Dichlorobenzene	13.49	146	229302	18.09	ug/l	95
90) n-Butylbenzene	13.74	91	476410	17.60	ug/l	99
91) Hexachloroethane	14.01	117	105077	17.22	ug/l	94
92) 1,2-Dichlorobenzene	13.78	146	231414	18.71	ug/l	97

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2-Dibromo-3-Chloropropan	14.40	75	36996	15.27	ug/l	87
94) 1,2,4-Trichlorobenzene	15.06	180	117770	17.63	ug/l	98
95) Hexachlorobutadiene	15.16	225	62434	17.75	ug/l	99
96) Naphthalene	15.29	128	316790	16.18	ug/l	99
97) 1,2,3-Trichlorobenzene	15.47	180	119258	17.96	ug/l	95

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

