

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN092115\
 Data File : VN027347.D
 Acq On : 21 Sep 2015 23:44
 Operator : MD\FY
 Sample : VN0921WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 2:29:02 PM

Quant Time: Sep 22 03:55:20 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	534193	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1025084	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	872515	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	328569	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	510873	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
36) Dibromofluoromethane	7.68	113	316730	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	
51) Toluene-d8	10.19	98	1209374	46.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.54%	
63) 4-Bromofluorobenzene	12.52	95	423042	45.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	111423	20.10	ug/l	100
3) Chlorodifluoromethane	1.82	51	134119	19.10	ug/l	93
4) Chloromethane	2.01	50	123655	19.47	ug/l	97
5) Vinyl Chloride	2.14	62	144468	20.39	ug/l	98
6) Bromomethane	2.54	94	60861	21.09	ug/l	95
7) Chloroethane	2.69	64	90496	20.09	ug/l	97
8) Trichlorofluoromethane	3.02	101	215735	20.96	ug/l	98
9) Diethyl Ether	3.42	74	98048	21.44	ug/l	83
10) 1,1,2-Trichlorotrifluoroet	3.79	101	129187	19.80	ug/l	96
11) Methyl Iodide	3.99	142	96116	20.46	ug/l #	90
12) Tert butyl alcohol	4.80	59	96025	115.11	ug/l	97
13) 1,1-Dichloroethene	3.77	96	124142	20.35	ug/l	93
14) Acrolein	3.62	56	92027	85.09	ug/l	97
15) Allyl chloride	4.37	41	229098	19.25	ug/l #	78
16) Acrylonitrile	5.03	53	315597	104.19	ug/l	100
17) Acetone	3.83	43	266241	93.58	ug/l	97
18) Carbon Disulfide	4.11	76	357805	19.59	ug/l	99
19) Methyl Acetate	4.36	43	400999	22.72	ug/l	96
20) Methyl tert-butyl Ether	5.12	73	511816	21.02	ug/l	98
21) Methylene Chloride	4.60	84	162733	21.48	ug/l	93
22) trans-1,2-Dichloroethene	5.13	96	135131	20.15	ug/l	95
23) Diisopropyl ether	6.04	45	533835	20.63	ug/l #	87
24) Vinyl Acetate	5.98	43	847997	103.30	ug/l	98
25) 1,1-Dichloroethane	5.93	63	313304	20.78	ug/l	99
26) 2-Butanone	6.92	43	397721	106.75	ug/l	97
27) 2,2-Dichloropropane	6.92	77	233356	17.96	ug/l	96
28) cis-1,2-Dichloroethene	6.92	96	160348	20.24	ug/l	96
29) Bromochloromethane	7.29	49	128075	21.65	ug/l	98
30) Tetrahydrofuran	7.32	42	262256	111.05	ug/l	89
31) Chloroform	7.46	83	294734	20.81	ug/l	98
32) Cyclohexane	7.77	56	287666	20.53	ug/l #	91
33) 1,1,1-Trichloroethane	7.67	97	256937	20.47	ug/l	97
37) 1,1-Dichloropropene	7.89	75	216438	19.59	ug/l	97
38) Ethyl Acetate	7.02	43	182129	21.35	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.89	117	202224	19.45	ug/l	96
40) Methylcyclohexane	9.19	83	250282	19.07	ug/l	95
41) Benzene	8.14	78	644762	20.11	ug/l	99
42) Methacrylonitrile	7.25	41	101405	20.14	ug/l #	89
43) 1,2-Dichloroethane	8.22	62	257736	19.72	ug/l	97
44) Isopropyl Acetate	8.25	43	330454	20.27	ug/l	98
45) Trichloroethene	8.94	130	128695	20.03	ug/l	94
46) 1,2-Dichloropropane	9.22	63	183676	20.47	ug/l	96
47) Dibromomethane	9.31	93	107927	20.04	ug/l	93
48) Bromodichloromethane	9.49	83	226485	19.83	ug/l	99
49) Methyl methacrylate	9.29	41	159143	20.74	ug/l #	84
50) 1,4-Dioxane	9.30	88	40943	442.06	ug/l	93
52) 4-Methyl-2-Pentanone	10.07	43	899462	107.25	ug/l	98
53) Toluene	10.26	92	375941	19.82	ug/l	98
54) t-1,3-Dichloropropene	10.47	75	230739	18.92	ug/l	99
55) cis-1,3-Dichloropropene	9.93	75	257016	19.19	ug/l	93
56) 1,1,2-Trichloroethane	10.66	97	144622	20.45	ug/l	99
57) Ethyl methacrylate	10.52	69	226617	20.19	ug/l #	88
58) 1,3-Dichloropropane	10.81	76	263920	20.24	ug/l	98
59) 2-Chloroethyl Vinyl ether	9.78	63	512080	102.93	ug/l	97
60) 2-Hexanone	10.84	43	601237	105.49	ug/l	99
61) Dibromochloromethane	11.00	129	139198	20.09	ug/l	98
62) 1,2-Dibromoethane	11.11	107	137918	20.50	ug/l	98
65) Tetrachloroethene	10.74	164	103885	20.00	ug/l	96
66) Chlorobenzene	11.54	112	372184	19.90	ug/l	100
67) 1,1,1,2-Tetrachloroethane	11.62	131	125430	19.98	ug/l	98
68) Ethyl Benzene	11.62	91	705525	19.99	ug/l	100
69) m/p-Xylenes	11.73	106	485043	39.65	ug/l	90
70) o-Xylene	12.06	106	245396	19.85	ug/l	91
71) Styrene	12.08	104	389444	19.79	ug/l	94
72) Bromoform	12.24	173	80144	19.03	ug/l #	99
74) Isopropylbenzene	12.36	105	654641	19.89	ug/l	100
75) N-amyl acetate	12.17	43	271530	20.79	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	191206	20.64	ug/l	99
77) 1,2,3-Trichloropropane	12.66	75	170388m	20.66	ug/l	
78) Bromobenzene	12.64	156	128394	19.93	ug/l	93
79) n-propylbenzene	12.71	91	764180	19.47	ug/l	98
80) 2-Chlorotoluene	12.79	91	474417	19.77	ug/l	94
81) 1,3,5-Trimethylbenzene	12.85	105	522466	19.64	ug/l	95
82) trans-1,4-Dichloro-2-buten	12.40	75	58554	18.20	ug/l	93
83) 4-Chlorotoluene	12.89	91	459346	19.61	ug/l	95
84) tert-Butylbenzene	13.11	119	431790	20.13	ug/l	89
85) 1,2,4-Trimethylbenzene	13.16	105	524031	19.80	ug/l	95
86) sec-Butylbenzene	13.29	105	636952	19.93	ug/l	99
87) p-Isopropyltoluene	13.41	119	468406	19.55	ug/l	94
88) 1,3-Dichlorobenzene	13.41	146	223476	20.11	ug/l	96
89) 1,4-Dichlorobenzene	13.49	146	219367	19.50	ug/l	94
90) n-Butylbenzene	13.74	91	453885	18.97	ug/l	98
91) Hexachloroethane	14.01	117	92758	18.11	ug/l	94
92) 1,2-Dichlorobenzene	13.78	146	226550	20.40	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2-Dibromo-3-Chloropropan	14.40	75	36254	19.97	ug/l	83
94) 1,2,4-Trichlorobenzene	15.05	180	113823	19.84	ug/l	98
95) Hexachlorobutadiene	15.16	225	59579	18.95	ug/l	99
96) Naphthalene	15.29	128	320379	20.65	ug/l	99
97) 1,2,3-Trichlorobenzene	15.47	180	114233	19.98	ug/l	98

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

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