

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN092115\
 Data File : VN027342.D
 Acq On : 21 Sep 2015 20:31
 Operator : MD\FY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 2:28:48 PM

Quant Time: Sep 22 03:36:29 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	559411	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1056023	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	902793	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	351572	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	534412	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
36) Dibromofluoromethane	7.68	113	336341	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
51) Toluene-d8	10.19	98	1297667	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
63) 4-Bromofluorobenzene	12.52	95	463706	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	270815	46.64	ug/l	100
3) Chlorodifluoromethane	1.81	51	344178	46.81	ug/l	93
4) Chloromethane	2.01	50	303450	45.62	ug/l	99
5) Vinyl Chloride	2.14	62	352724	47.53	ug/l	99
6) Bromomethane	2.54	94	150229	49.71	ug/l	97
7) Chloroethane	2.69	64	226313	47.97	ug/l	100
8) Trichlorofluoromethane	3.02	101	525619	48.77	ug/l	97
9) Diethyl Ether	3.42	74	236555	49.39	ug/l	84
10) 1,1,2-Trichlorotrifluoroet	3.79	101	329940	48.28	ug/l	96
11) Methyl Iodide	3.99	142	265458	50.06	ug/l	92
12) Tert butyl alcohol	4.80	59	217332	248.78	ug/l	97
13) 1,1-Dichloroethene	3.77	96	311428	48.75	ug/l	97
14) Acrolein	3.62	56	259440	229.06	ug/l	99
15) Allyl chloride	4.37	41	597170	47.93	ug/l #	81
16) Acrylonitrile	5.02	53	815174	256.98	ug/l	98
17) Acetone	3.82	43	691122	231.98	ug/l	97
18) Carbon Disulfide	4.11	76	887537	46.40	ug/l	99
19) Methyl Acetate	4.36	43	984465	53.27	ug/l	95
20) Methyl tert-butyl Ether	5.12	73	1262064	49.49	ug/l	95
21) Methylene Chloride	4.60	84	383257	48.32	ug/l	97
22) trans-1,2-Dichloroethene	5.13	96	333256	47.45	ug/l	99
23) Diisopropyl ether	6.04	45	1332567	49.18	ug/l #	89
24) Vinyl Acetate	5.97	43	2250840	247.58	ug/l	97
25) 1,1-Dichloroethane	5.93	63	764930	48.44	ug/l	100
26) 2-Butanone	6.91	43	1016543	260.55	ug/l	95
27) 2,2-Dichloropropane	6.92	77	665494	48.92	ug/l	93
28) cis-1,2-Dichloroethene	6.92	96	404075	48.69	ug/l	94
29) Bromochloromethane	7.29	49	303555	49.00	ug/l	98
30) Tetrahydrofuran	7.31	42	627483	253.72	ug/l #	88
31) Chloroform	7.46	83	740626	49.94	ug/l	98
32) Cyclohexane	7.77	56	688502	48.96	ug/l	92
33) 1,1,1-Trichloroethane	7.67	97	635980	48.40	ug/l	97
37) 1,1-Dichloropropene	7.89	75	542446	47.66	ug/l	98
38) Ethyl Acetate	7.02	43	453010	51.55	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	514556	48.04	ug/l	98
40) Methylcyclohexane	9.19	83	645992	47.79	ug/l	97
41) Benzene	8.14	78	1600059	48.44	ug/l	100
42) Methacrylonitrile	7.24	41	257197	49.58	ug/l #	88
43) 1,2-Dichloroethane	8.22	62	656040	48.72	ug/l	95
44) Isopropyl Acetate	8.25	43	836319	49.79	ug/l	97
45) Trichloroethene	8.93	130	316624	47.85	ug/l	89
46) 1,2-Dichloropropane	9.22	63	451772	48.86	ug/l	100
47) Dibromomethane	9.31	93	270329	48.72	ug/l	92
48) Bromodichloromethane	9.49	83	570443	48.47	ug/l	100
49) Methyl methacrylate	9.29	41	410933	51.98	ug/l #	87
50) 1,4-Dioxane	9.30	88	91940	963.58	ug/l	95
52) 4-Methyl-2-Pentanone	10.07	43	2198360	254.46	ug/l	99
53) Toluene	10.26	92	936627	47.94	ug/l	98
54) t-1,3-Dichloropropene	10.47	75	616876	49.11	ug/l	99
55) cis-1,3-Dichloropropene	9.93	75	673998	48.84	ug/l	93
56) 1,1,2-Trichloroethane	10.66	97	358437	49.19	ug/l	98
57) Ethyl methacrylate	10.52	69	581089	50.25	ug/l #	89
58) 1,3-Dichloropropane	10.80	76	659915	49.13	ug/l	99
59) 2-Chloroethyl Vinyl ether	9.78	63	1305373	254.70	ug/l	98
60) 2-Hexanone	10.84	43	1475872	251.36	ug/l	100
61) Dibromochloromethane	11.00	129	355700	49.84	ug/l	99
62) 1,2-Dibromoethane	11.11	107	340189	49.09	ug/l	100
65) Tetrachloroethene	10.74	164	253425	47.16	ug/l	94
66) Chlorobenzene	11.54	112	934930	48.30	ug/l	99
67) 1,1,1,2-Tetrachloroethane	11.62	131	321562	49.51	ug/l	98
68) Ethyl Benzene	11.62	91	1781319	48.79	ug/l	99
69) m/p-Xylenes	11.73	106	1230792	97.24	ug/l	89
70) o-Xylene	12.06	106	625148	48.88	ug/l	92
71) Styrene	12.07	104	1020580	50.12	ug/l	95
72) Bromoform	12.24	173	213820	49.07	ug/l #	98
74) Isopropylbenzene	12.36	105	1678103	47.65	ug/l	98
75) N-amyl acetate	12.17	43	715745	51.22	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	474055	47.82	ug/l	100
77) 1,2,3-Trichloropropane	12.66	75	449850m	50.96	ug/l	
78) Bromobenzene	12.64	156	329154	47.76	ug/l	94
79) n-propylbenzene	12.71	91	2009690	47.84	ug/l	98
80) 2-Chlorotoluene	12.79	91	1209306	47.09	ug/l	94
81) 1,3,5-Trimethylbenzene	12.85	105	1355089	47.60	ug/l	95
82) trans-1,4-Dichloro-2-buten	12.40	75	164181	47.70	ug/l	93
83) 4-Chlorotoluene	12.89	91	1201431	47.94	ug/l	95
84) tert-Butylbenzene	13.11	119	1099672	47.90	ug/l	89
85) 1,2,4-Trimethylbenzene	13.16	105	1360685	48.06	ug/l	95
86) sec-Butylbenzene	13.29	105	1649251	48.23	ug/l	99
87) p-Isopropyltoluene	13.41	119	1247932	48.67	ug/l	94
88) 1,3-Dichlorobenzene	13.41	146	575441	48.39	ug/l	96
89) 1,4-Dichlorobenzene	13.49	146	571572	47.49	ug/l	95
90) n-Butylbenzene	13.74	91	1255806	49.05	ug/l	98
91) Hexachloroethane	14.01	117	256119	46.72	ug/l	91
92) 1,2-Dichlorobenzene	13.78	146	573160	48.24	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	95705	49.26	ug/l	84
94) 1,2,4-Trichlorobenzene	15.05	180	315584	51.40	ug/l	98
95) Hexachlorobutadiene	15.16	225	157924	46.94	ug/l	98
96) Naphthalene	15.29	128	883045	47.18	ug/l	100
97) 1,2,3-Trichlorobenzene	15.47	180	313860	51.31	ug/l	97

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

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