

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091515\
 Data File : VN027197.D
 Acq On : 16 Sep 2015 7:38
 Operator : MD\FY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/16/2015 11:48:20 AM

Quant Time: Sep 16 08:00:21 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	547126	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1056967	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	902348	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	344777	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	574191	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
36) Dibromofluoromethane	7.68	113	359919	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
51) Toluene-d8	10.19	98	1415611	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
63) 4-Bromofluorobenzene	12.52	95	501208	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	322504	49.26	ug/l	98
3) Chlorodifluoromethane	1.82	51	395931	52.27	ug/l	93
4) Chloromethane	2.01	50	356618	48.67	ug/l	97
5) Vinyl Chloride	2.14	62	388185	50.21	ug/l	99
6) Bromomethane	2.54	94	193505	50.95	ug/l	100
7) Chloroethane	2.69	64	250043	47.57	ug/l	99
8) Trichlorofluoromethane	3.02	101	573258	49.08	ug/l	98
9) Diethyl Ether	3.42	74	260322	48.44	ug/l	84
10) 1,1,2-Trichlorotrifluoroet	3.79	101	347793	47.41	ug/l	97
11) Methyl Iodide	3.99	142	365925	51.32	ug/l	91
12) Tert butyl alcohol	4.80	59	238928	217.96	ug/l	97
13) 1,1-Dichloroethene	3.77	96	343815	48.94	ug/l	96
14) Acrolein	3.63	56	47352	36.77	ug/l	98
15) Allyl chloride	4.37	41	660422	46.54	ug/l	# 83
16) Acrylonitrile	5.02	53	875661	244.27	ug/l	99
17) Acetone	3.82	43	689850	228.24	ug/l	95
18) Carbon Disulfide	4.11	76	1051571	45.97	ug/l	100
19) Methyl Acetate	4.36	43	1126115	51.44	ug/l	96
20) Methyl tert-butyl Ether	5.11	73	1350897	47.90	ug/l	97
21) Methylene Chloride	4.60	84	411921	48.92	ug/l	98
22) trans-1,2-Dichloroethene	5.13	96	368002	48.43	ug/l	97
23) Diisopropyl ether	6.03	45	1441186	48.41	ug/l	89
24) Vinyl Acetate	5.97	43	2095040	212.62	ug/l	99
25) 1,1-Dichloroethane	5.93	63	822395	47.55	ug/l	99
26) 2-Butanone	6.91	43	1053239	231.41	ug/l	97
27) 2,2-Dichloropropane	6.92	77	514022	34.26	ug/l	97
28) cis-1,2-Dichloroethene	6.92	96	431117	49.47	ug/l	99
29) Bromochloromethane	7.29	49	334910	49.89	ug/l	96
30) Tetrahydrofuran	7.31	42	678889	216.43	ug/l	90
31) Chloroform	7.46	83	776088	49.67	ug/l	100
32) Cyclohexane	7.77	56	774797	50.33	ug/l	94
33) 1,1,1-Trichloroethane	7.67	97	682274	48.97	ug/l	96
37) 1,1-Dichloropropene	7.89	75	595670	48.14	ug/l	97
38) Ethyl Acetate	7.02	43	478683	45.41	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	557085	47.89	ug/l	99
40) Methylcyclohexane	9.19	83	701111	46.53	ug/l	98
41) Benzene	8.14	78	1701995	47.15	ug/l	100
42) Methacrylonitrile	7.24	41	285691	47.77	ug/l #	93
43) 1,2-Dichloroethane	8.22	62	700042	48.14	ug/l	95
44) Isopropyl Acetate	8.25	43	895265	45.28	ug/l	97
45) Trichloroethene	8.93	130	347088	47.87	ug/l	90
46) 1,2-Dichloropropane	9.22	63	487662	46.95	ug/l	98
47) Dibromomethane	9.31	93	285299	46.78	ug/l	93
48) Bromodichloromethane	9.49	83	619655	48.22	ug/l	100
49) Methyl methacrylate	9.29	41	452446	45.93	ug/l #	89
50) 1,4-Dioxane	9.30	88	100197	867.26	ug/l	96
52) 4-Methyl-2-Pentanone	10.07	43	2308767	220.85	ug/l	99
53) Toluene	10.26	92	995679	47.09	ug/l	98
54) t-1,3-Dichloropropene	10.47	75	634888	43.99	ug/l	100
55) cis-1,3-Dichloropropene	9.93	75	705348	44.93	ug/l	93
56) 1,1,2-Trichloroethane	10.66	97	376219	47.34	ug/l	99
57) Ethyl methacrylate	10.52	69	614643	45.89	ug/l #	91
58) 1,3-Dichloropropane	10.81	76	698500	47.35	ug/l	100
59) 2-Chloroethyl Vinyl ether	9.78	63	1479563	240.61	ug/l	97
60) 2-Hexanone	10.84	43	1533480	215.46	ug/l	99
61) Dibromochloromethane	11.00	129	383360	47.24	ug/l	100
62) 1,2-Dibromoethane	11.11	107	365492	46.80	ug/l	100
65) Tetrachloroethene	10.74	164	284447	49.29	ug/l	96
66) Chlorobenzene	11.54	112	995174	46.72	ug/l	99
67) 1,1,1,2-Tetrachloroethane	11.62	131	348600	47.97	ug/l	97
68) Ethyl Benzene	11.62	91	1888506	46.75	ug/l	99
69) m/p-Xylenes	11.73	106	1308819	93.91	ug/l	91
70) o-Xylene	12.06	106	652584	46.71	ug/l	91
71) Styrene	12.07	104	1076839	47.74	ug/l	94
72) Bromoform	12.24	173	233852	46.28	ug/l #	100
74) Isopropylbenzene	12.36	105	1758917	46.30	ug/l	99
75) N-amyl acetate	12.17	43	757388	44.67	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	493064	50.29	ug/l	99
77) 1,2,3-Trichloropropane	12.66	75	460035m	44.15	ug/l	
78) Bromobenzene	12.64	156	344999	46.31	ug/l	93
79) n-propylbenzene	12.71	91	2083909	46.62	ug/l	98
80) 2-Chlorotoluene	12.79	91	1263889	47.09	ug/l	95
81) 1,3,5-Trimethylbenzene	12.85	105	1415871	46.39	ug/l	95
82) trans-1,4-Dichloro-2-buten	12.40	75	162724	38.36	ug/l	92
83) 4-Chlorotoluene	12.89	91	1245535	47.23	ug/l	96
84) tert-Butylbenzene	13.11	119	1165017	46.26	ug/l	91
85) 1,2,4-Trimethylbenzene	13.16	105	1413463	46.11	ug/l	96
86) sec-Butylbenzene	13.29	105	1711737	46.40	ug/l	99
87) p-Isopropyltoluene	13.41	119	1306893	45.99	ug/l	94
88) 1,3-Dichlorobenzene	13.41	146	602384	47.25	ug/l	96
89) 1,4-Dichlorobenzene	13.49	146	598229	46.33	ug/l	95
90) n-Butylbenzene	13.74	91	1293334	46.90	ug/l	98
91) Hexachloroethane	14.01	117	285079	45.84	ug/l	92
92) 1,2-Dichlorobenzene	13.78	146	594261	47.17	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	101230	46.56	ug/l	86
94) 1,2,4-Trichlorobenzene	15.05	180	328223	48.22	ug/l	98
95) Hexachlorobutadiene	15.16	225	159187	44.41	ug/l	98
96) Naphthalene	15.29	128	955815	47.90	ug/l	99
97) 1,2,3-Trichlorobenzene	15.47	180	329077	48.64	ug/l	98

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

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