

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091715\
 Data File : VN027288.D
 Acq On : 18 Sep 2015 7:18
 Operator : MD\FY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/18/2015 12:24:37 PM

Quant Time: Sep 18 08:20:05 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	505095	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	974705	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	826593	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	324176	50.00	ug/l	0.00

System Monitoring Compounds						
34) 1,2-Dichloroethane-d4	8.12	65	522653	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
36) Dibromofluoromethane	7.68	113	334049	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
51) Toluene-d8	10.19	98	1289305	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
63) 4-Bromofluorobenzene	12.52	95	460957	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.80	85	275367	45.56	ug/l	98
3) Chlorodifluoromethane	1.82	51	352425	50.39	ug/l	94
4) Chloromethane	2.01	50	290780	43.11	ug/l	100
5) Vinyl Chloride	2.14	62	340178	47.66	ug/l	98
6) Bromomethane	2.54	94	59843	18.13	ug/l	98
7) Chloroethane	2.69	64	226025	46.58	ug/l	99
8) Trichlorofluoromethane	3.02	101	519825	48.21	ug/l	99
9) Diethyl Ether	3.42	74	238015	47.97	ug/l	84
10) 1,1,2-Trichlorotrifluoroet	3.79	101	321160	47.42	ug/l	96
11) Methyl Iodide	3.99	142	102618	15.59	ug/l	92
12) Tert butyl alcohol	4.80	59	218162	215.58	ug/l	97
13) 1,1-Dichloroethene	3.77	96	312487	48.19	ug/l	96
14) Acrolein	3.62	56	111483	93.78	ug/l	98
15) Allyl chloride	4.37	41	567716	43.34	ug/l #	81
16) Acrylonitrile	5.02	53	797378	240.95	ug/l	98
17) Acetone	3.82	43	630378	225.92	ug/l	98
18) Carbon Disulfide	4.11	76	916416	43.39	ug/l	99
19) Methyl Acetate	4.36	43	991842	49.08	ug/l	95
20) Methyl tert-butyl Ether	5.11	73	1248582	47.96	ug/l	97
21) Methylene Chloride	4.60	84	380183	48.91	ug/l	98
22) trans-1,2-Dichloroethene	5.13	96	336996	48.04	ug/l	96
23) Diisopropyl ether	6.04	45	1321558	48.09	ug/l #	89
24) Vinyl Acetate	5.97	43	2122072	233.29	ug/l	97
25) 1,1-Dichloroethane	5.93	63	762929	47.78	ug/l	100
26) 2-Butanone	6.91	43	975380	232.14	ug/l	95
27) 2,2-Dichloropropane	6.92	77	473012	34.15	ug/l	96
28) cis-1,2-Dichloroethene	6.92	96	402960	50.09	ug/l	98
29) Bromochloromethane	7.29	49	313496	50.59	ug/l	96
30) Tetrahydrofuran	7.31	42	638741	220.58	ug/l	90
31) Chloroform	7.46	83	728343	50.49	ug/l	98
32) Cyclohexane	7.77	56	693911	48.80	ug/l	93
33) 1,1,1-Trichloroethane	7.67	97	631151	49.07	ug/l	96
37) 1,1-Dichloropropene	7.89	75	545777	47.83	ug/l	98
38) Ethyl Acetate	7.02	43	447554	46.06	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	505562	47.13	ug/l	97
40) Methylcyclohexane	9.19	83	636150	45.78	ug/l	96
41) Benzene	8.14	78	1598973	48.03	ug/l	99
42) Methacrylonitrile	7.24	41	257469	46.68	ug/l #	90
43) 1,2-Dichloroethane	8.22	62	641178	47.81	ug/l	95
44) Isopropyl Acetate	8.25	43	832407	45.65	ug/l	97
45) Trichloroethene	8.93	130	324237	48.49	ug/l	87
46) 1,2-Dichloropropane	9.21	63	448638	46.84	ug/l	99
47) Dibromomethane	9.30	93	267369	47.54	ug/l	92
48) Bromodichloromethane	9.49	83	567495	47.88	ug/l	100
49) Methyl methacrylate	9.29	41	408285	44.95	ug/l #	87
50) 1,4-Dioxane	9.30	88	91826	861.88	ug/l	96
52) 4-Methyl-2-Pentanone	10.07	43	2188527	227.02	ug/l	99
53) Toluene	10.26	92	942515	48.33	ug/l	98
54) t-1,3-Dichloropropene	10.47	75	582102	43.74	ug/l	98
55) cis-1,3-Dichloropropene	9.93	75	633415	43.75	ug/l	94
56) 1,1,2-Trichloroethane	10.66	97	357604	48.80	ug/l	98
57) Ethyl methacrylate	10.52	69	573798	46.46	ug/l #	90
58) 1,3-Dichloropropane	10.81	76	653839	48.06	ug/l	99
59) 2-Chloroethyl Vinyl ether	9.78	63	1265064	223.09	ug/l	97
60) 2-Hexanone	10.84	43	1463854	223.03	ug/l	100
61) Dibromochloromethane	11.00	129	351288	46.94	ug/l	100
62) 1,2-Dibromoethane	11.11	107	343486	47.70	ug/l	100
65) Tetrachloroethene	10.74	164	269025	50.89	ug/l	95
66) Chlorobenzene	11.54	112	941001	48.22	ug/l	97
67) 1,1,1,2-Tetrachloroethane	11.62	131	319994	48.07	ug/l	98
68) Ethyl Benzene	11.62	91	1772443	47.90	ug/l	100
69) m/p-Xylenes	11.73	106	1215079	95.17	ug/l	89
70) o-Xylene	12.06	106	610820	47.73	ug/l	90
71) Styrene	12.07	104	1013116	49.03	ug/l	95
72) Bromoform	12.24	173	207390	44.80	ug/l #	99
74) Isopropylbenzene	12.36	105	1650633	46.21	ug/l	98
75) N-amyl acetate	12.17	43	720993	45.22	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	468582	50.87	ug/l	99
77) 1,2,3-Trichloropropane	12.66	75	429479m	43.84	ug/l	
78) Bromobenzene	12.64	156	321798	45.94	ug/l	94
79) n-propylbenzene	12.71	91	1973111	46.95	ug/l	97
80) 2-Chlorotoluene	12.79	91	1182396	46.85	ug/l	95
81) 1,3,5-Trimethylbenzene	12.85	105	1327554	46.26	ug/l	95
82) trans-1,4-Dichloro-2-buten	12.40	75	117290	29.41	ug/l	93
83) 4-Chlorotoluene	12.89	91	1181835	47.66	ug/l	95
84) tert-Butylbenzene	13.11	119	1061645	44.84	ug/l	88
85) 1,2,4-Trimethylbenzene	13.16	105	1325996	46.00	ug/l	96
86) sec-Butylbenzene	13.29	105	1620227	46.71	ug/l	99
87) p-Isopropyltoluene	13.41	119	1230334	46.05	ug/l	95
88) 1,3-Dichlorobenzene	13.41	146	567036	47.30	ug/l	96
89) 1,4-Dichlorobenzene	13.49	146	557166	45.89	ug/l	95
90) n-Butylbenzene	13.74	91	1218622	47.00	ug/l	98
91) Hexachloroethane	14.01	117	239079	40.89	ug/l	93
92) 1,2-Dichlorobenzene	13.78	146	565984	47.78	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	92531	45.22	ug/l	85
94) 1,2,4-Trichlorobenzene	15.05	180	307107	47.99	ug/l	98
95) Hexachlorobutadiene	15.16	225	152392	45.22	ug/l	98
96) Naphthalene	15.29	128	894188	47.66	ug/l	99
97) 1,2,3-Trichlorobenzene	15.47	180	314295	49.41	ug/l	97

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

