

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080719\
 Data File : VN057113.D
 Acq On : 7 Aug 2019 19:18
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/8/2019 2:40:20 PM

Quant Time: Aug 08 05:23:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 04:56:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1208341	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1801002	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.90	117	1523155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.87	152	418065	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	62501	5.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.00%	
35) Dibromofluoromethane	6.99	113	55589	4.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.80%	
50) Toluene-d8	9.56	98	208389	4.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.74%	
62) 4-Bromofluorobenzene	11.92	95	56053	4.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.16%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.82	85	54243	5.762	ug/l	99
3) Chloromethane	2.00	50	69268	5.498	ug/l	99
4) Vinyl Chloride	2.11	62	63719	5.293	ug/l	99
5) Bromomethane	2.42	94	46537	6.418	ug/l	95
6) Chloroethane	2.55	64	39739	6.708	ug/l	96
7) Trichlorofluoromethane	2.82	101	92142	5.549	ug/l	96
8) Diethyl Ether	3.14	74	33661	4.970	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.44	101	55320	5.262	ug/l	98
10) Methyl Iodide	3.63	142	73047	5.808	ug/l	97
11) Tert butyl alcohol	4.24	59	52942	38.953	ug/l	97
12) 1,1-Dichloroethene	3.43	96	53054	5.035	ug/l	98
13) Acrolein	3.31	56	32589	28.616	ug/l	92
14) Allyl chloride	3.91	41	75615	4.780	ug/l	98
15) Acrylonitrile	4.45	53	122308	27.640	ug/l	99
16) Acetone	3.48	43	97247	25.392	ug/l	97
17) Carbon Disulfide	3.72	76	128655	4.991	ug/l	96
18) Methyl Acetate	3.90	43	68959	5.204	ug/l	100
19) Methyl tert-butyl Ether	4.49	73	155147	5.028	ug/l	97
20) Methylene Chloride	4.09	84	62055	5.127	ug/l	94
21) trans-1,2-Dichloroethene	4.50	96	57773	5.204	ug/l	99
22) Diisopropyl ether	5.32	45	167819	5.052	ug/l	96
23) Vinyl Acetate	5.26	43	611241	24.640	ug/l	100
24) 1,1-Dichloroethane	5.24	63	104330	5.102	ug/l	95
25) 2-Butanone	6.20	43	144564	26.462	ug/l	94
26) 2,2-Dichloropropane	6.21	77	72714	4.665	ug/l #	75
27) cis-1,2-Dichloroethene	6.21	96	67192	5.184	ug/l	94
28) Bromochloromethane	6.59	49	47369	5.235	ug/l	96
29) Tetrahydrofuran	6.60	42	97087	27.317	ug/l	99
30) Chloroform	6.76	83	104325	5.090	ug/l	100
31) Cyclohexane	7.07	56	105776	5.843	ug/l #	88
32) 1,1,1-Trichloroethane	6.98	97	87298	5.109	ug/l	95
36) 1,1-Dichloropropene	7.20	75	75624	4.834	ug/l	99
37) Ethyl Acetate	6.29	43	65810	5.518	ug/l #	98
38) Carbon Tetrachloride	7.18	117	74422	4.938	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	8.52	83	91997	5.081	ug/l	94
40) Benzene	7.46	78	244643	5.067	ug/l	98
41) Methacrylonitrile	6.55	41	26106	5.203	ug/l #	84
42) 1,2-Dichloroethane	7.54	62	76893	5.087	ug/l	100
43) Isopropyl Acetate	7.56	43	104800	4.818	ug/l	99
44) Trichloroethene	8.27	130	66385	5.032	ug/l	98
45) 1,2-Dichloropropane	8.56	63	62464	5.003	ug/l	92
46) Dibromomethane	8.65	93	38636	4.969	ug/l	97
47) Bromodichloromethane	8.85	83	72765	4.878	ug/l	99
48) Methyl methacrylate	8.63	41	48640	5.082	ug/l	97
49) 1,4-Dioxane	8.64	88	19727	101.440	ug/l #	95
51) 4-Methyl-2-Pentanone	9.45	43	295526	27.204	ug/l	99
52) Toluene	9.63	92	144589	4.932	ug/l	99
53) t-1,3-Dichloropropene	9.86	75	71650	4.579	ug/l	99
54) cis-1,3-Dichloropropene	9.30	75	85745	4.674	ug/l	95
55) 1,1,2-Trichloroethane	10.04	97	58375	5.218	ug/l	97
56) Ethyl methacrylate	9.91	69	72244	4.713	ug/l	97
57) 1,3-Dichloropropane	10.19	76	97802	5.266	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.15	63	119781	21.661	ug/l	100
59) 2-Hexanone	10.24	43	195231	25.050	ug/l	98
60) Dibromochloromethane	10.39	129	55538	4.771	ug/l	99
61) 1,2-Dibromoethane	10.49	107	55850	4.888	ug/l	96
64) Tetrachloroethene	10.11	164	68013	5.308	ug/l	97
65) Chlorobenzene	10.93	112	151388	4.923	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.01	131	57669	5.090	ug/l	96
67) Ethyl Benzene	11.01	91	263935	4.986	ug/l	100
68) m/p-Xylenes	11.12	106	188225	9.441	ug/l	98
69) o-Xylene	11.46	106	95385	4.870	ug/l	99
70) Styrene	11.47	104	133185	4.264	ug/l	99
71) Bromoform	11.64	173	37205	4.649	ug/l #	96
73) Isopropylbenzene	11.76	105	242326	7.135	ug/l	100
74) N-amyl acetate	11.58	43	62217	6.242	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.02	83	72255	7.563	ug/l	100
76) 1,2,3-Trichloropropane	12.07	75	63679m	8.068	ug/l	
77) Bromobenzene	12.04	156	58714	6.492	ug/l	97
78) n-propylbenzene	12.11	91	230729	6.624	ug/l	98
79) 2-Chlorotoluene	12.19	91	148483	6.663	ug/l	96
80) 1,3,5-Trimethylbenzene	12.26	105	197106	6.949	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.81	75	15142	6.052	ug/l	87
82) 4-Chlorotoluene	12.29	91	128575	6.153	ug/l	97
83) tert-Butylbenzene	12.52	119	183591	7.323	ug/l	100
84) 1,2,4-Trimethylbenzene	12.57	105	184055	6.787	ug/l	98
85) sec-Butylbenzene	12.70	105	219212	7.083	ug/l	99
86) p-Isopropyltoluene	12.82	119	182163	6.660	ug/l	97
87) 1,3-Dichlorobenzene	12.81	146	73052	5.230	ug/l	98
88) 1,4-Dichlorobenzene	12.89	146	67980	5.061	ug/l	95
89) n-Butylbenzene	13.15	91	117803	5.635	ug/l	98
90) Hexachloroethane	13.41	117	32166	6.787	ug/l	96
91) 1,2-Dichlorobenzene	13.18	146	72953	5.260	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.81	75	6496	4.788	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.45	180	14457	2.319	ug/l	99
94) Hexachlorobutadiene	14.55	225	37227	6.713	ug/l	99
95) Naphthalene	14.66	128	34608	2.727	ug/l	97
96) 1,2,3-Trichlorobenzene	14.83	180	17699	2.772	ug/l	92

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

