

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022020\
 Data File : VN060164.D
 Acq On : 20 Feb 2020 11:33
 Operator : JC/MD
 Sample : VN0220WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0220WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 9:14:34 AM

Quant Time: Feb 21 02:44:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	189733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	297645	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	276556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	132916	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	111750	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
35) Dibromofluoromethane	7.56	113	89566	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	
50) Toluene-d8	10.08	98	349066	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
62) 4-Bromofluorobenzene	12.40	95	124945	47.19	ug/l	0.00
Spiked Amount			Recovery	=	94.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	36221	19.099	ug/l	96
3) Chloromethane	2.04	50	42308	18.746	ug/l	99
4) Vinyl Chloride	2.17	62	47833	18.594	ug/l	100
5) Bromomethane	2.55	94	29826	18.909	ug/l	99
6) Chloroethane	2.69	64	24454	18.794	ug/l	94
7) Trichlorofluoromethane	3.00	101	62507	18.846	ug/l	99
8) Diethyl Ether	3.38	74	21419	19.400	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	36073	19.590	ug/l	99
10) Methyl Iodide	3.93	142	46265	20.254	ug/l	99
11) Tert butyl alcohol	4.73	59	31099	90.014	ug/l	99
12) 1,1-Dichloroethene	3.72	96	34392	19.172	ug/l	96
13) Acrolein	3.58	56	26823	78.546	ug/l	97
14) Allyl chloride	4.29	41	53671	20.328	ug/l	91
15) Acrylonitrile	4.94	53	80294	95.165	ug/l	99
16) Acetone	3.78	43	85675	85.075	ug/l	98
17) Carbon Disulfide	4.03	76	95975	17.750	ug/l	98
18) Methyl Acetate	4.28	43	38140	20.161	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	113700	18.848	ug/l	99
20) Methylene Chloride	4.52	84	38511	19.168	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	36931	18.886	ug/l	95
22) Diisopropyl ether	5.91	45	111010	19.185	ug/l	97
23) Vinyl Acetate	5.86	43	463419	95.368	ug/l	99
24) 1,1-Dichloroethane	5.82	63	67739	19.324	ug/l	99
25) 2-Butanone	6.80	43	114147	90.124	ug/l	95
26) 2,2-Dichloropropane	6.79	77	63666	19.122	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	42780	18.694	ug/l	98
28) Bromochloromethane	7.16	49	26580	19.288	ug/l	97
29) Tetrahydrofuran	7.18	42	71996	92.659	ug/l	99
30) Chloroform	7.35	83	70442	19.184	ug/l	98
31) Cyclohexane	7.63	56	62635	19.182	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	63816	19.018	ug/l	98
36) 1,1-Dichloropropene	7.77	75	52712	19.120	ug/l	99
37) Ethyl Acetate	6.89	43	46994	18.861	ug/l	99
38) Carbon Tetrachloride	7.75	117	55992	18.701	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	65218	19.057	ug/l	99
40) Benzene	8.02	78	154789	18.927	ug/l	99
41) Methacrylonitrile	7.15	41	21772m	20.836	ug/l	
42) 1,2-Dichloroethane	8.10	62	55250	19.276	ug/l	98
43) Isopropyl Acetate	8.14	43	80723	18.953	ug/l	99
44) Trichloroethene	8.81	130	42394	18.722	ug/l	100
45) 1,2-Dichloropropane	9.10	63	40022	19.767	ug/l	99
46) Dibromomethane	9.19	93	27026	18.889	ug/l	97
47) Bromodichloromethane	9.38	83	55023	18.916	ug/l	99
48) Methyl methacrylate	9.18	41	34212	17.903	ug/l	97
49) 1,4-Dioxane	9.18	88	12491	382.565	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	231121	93.750	ug/l	99
52) Toluene	10.14	92	101490	19.353	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	62613	19.069	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	65542	18.956	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	39393	19.254	ug/l	99
56) Ethyl methacrylate	10.42	69	54298	18.761	ug/l	97
57) 1,3-Dichloropropane	10.70	76	64746	19.179	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	129091	95.741	ug/l	100
59) 2-Hexanone	10.74	43	170760	89.667	ug/l	99
60) Dibromochloromethane	10.89	129	43557	18.552	ug/l	99
61) 1,2-Dibromoethane	10.99	107	39361	18.352	ug/l	97
64) Tetrachloroethene	10.62	164	40019	19.035	ug/l	99
65) Chlorobenzene	11.43	112	106379	18.880	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	41275	19.365	ug/l	99
67) Ethyl Benzene	11.50	91	192933	18.986	ug/l	100
68) m/p-Xylenes	11.62	106	144292	37.832	ug/l	100
69) o-Xylene	11.94	106	69512	18.929	ug/l	100
70) Styrene	11.96	104	108810	18.374	ug/l	99
71) Bromoform	12.12	173	31130	18.158	ug/l #	99
73) Isopropylbenzene	12.25	105	188298	18.971	ug/l	100
74) N-amyl acetate	12.06	43	67704	18.917	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	55212	19.326	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	48482m	19.065	ug/l	
77) Bromobenzene	12.52	156	47102	19.122	ug/l	98
78) n-propylbenzene	12.59	91	213849	18.911	ug/l	100
79) 2-Chlorotoluene	12.67	91	125882	18.939	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	158134	19.162	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	19260	18.545	ug/l	99
82) 4-Chlorotoluene	12.77	91	128492	18.842	ug/l	100
83) tert-Butylbenzene	12.99	119	136195	18.656	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	157145	19.290	ug/l	99
85) sec-Butylbenzene	13.17	105	185158	19.151	ug/l	99
86) p-Isopropyltoluene	13.28	119	166570	19.015	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	82085	18.826	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	81823	18.770	ug/l	98
89) n-Butylbenzene	13.61	91	146101	18.962	ug/l	99
90) Hexachloroethane	13.87	117	30765	18.799	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	79906	18.726	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11157	17.871	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	46444	18.524	ug/l	98
94) Hexachlorobutadiene	15.01	225	27072	18.444	ug/l	99
95) Naphthalene	15.13	128	118236	17.458	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	46119	18.471	ug/l	100

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

