

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022420\
 Data File : VN060199.D
 Acq On : 24 Feb 2020 10:57
 Operator : JC/MD
 Sample : VN0224WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0224WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/25/2020 9:43:18 AM

Quant Time: Feb 24 16:07:52 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	181812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	283428	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	263843	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	127308	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	108613	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
35) Dibromofluoromethane	7.56	113	85300	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
50) Toluene-d8	10.08	98	336678	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
62) 4-Bromofluorobenzene	12.40	95	120781	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	33823	18.612	ug/l	99
3) Chloromethane	2.04	50	38672	17.882	ug/l	99
4) Vinyl Chloride	2.17	62	43607	17.690	ug/l	100
5) Bromomethane	2.55	94	28464	18.831	ug/l	96
6) Chloroethane	2.69	64	23245	18.643	ug/l	99
7) Trichlorofluoromethane	3.01	101	58074	18.272	ug/l	96
8) Diethyl Ether	3.39	74	20183	19.077	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	33243	18.839	ug/l	99
10) Methyl Iodide	3.93	142	41754	19.220	ug/l	98
11) Tert butyl alcohol	4.72	59	30885	93.290	ug/l	99
12) 1,1-Dichloroethene	3.72	96	31748	18.469	ug/l	97
13) Acrolein	3.58	56	28703	87.713	ug/l	98
14) Allyl chloride	4.30	41	46326	18.310	ug/l	97
15) Acrylonitrile	4.94	53	77568	95.940	ug/l	99
16) Acetone	3.78	43	77073	79.867	ug/l	100
17) Carbon Disulfide	4.03	76	88544	17.089	ug/l	100
18) Methyl Acetate	4.29	43	35810	19.754	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	107842	18.655	ug/l	97
20) Methylene Chloride	4.52	84	36152	18.778	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	34695	18.516	ug/l	97
22) Diisopropyl ether	5.91	45	105937	19.105	ug/l	98
23) Vinyl Acetate	5.86	43	435072	93.435	ug/l	100
24) 1,1-Dichloroethane	5.82	63	63588	18.931	ug/l	99
25) 2-Butanone	6.80	43	106166	87.475	ug/l	96
26) 2,2-Dichloropropane	6.79	77	59996	18.805	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	40724	18.571	ug/l	99
28) Bromochloromethane	7.17	49	25833	19.562	ug/l #	96
29) Tetrahydrofuran	7.18	42	69647	93.541	ug/l	98
30) Chloroform	7.35	83	67078	19.064	ug/l	97
31) Cyclohexane	7.63	56	59170	18.910	ug/l	96
32) 1,1,1-Trichloroethane	7.54	97	59637	18.547	ug/l	99
36) 1,1-Dichloropropene	7.77	75	49073	18.693	ug/l	99
37) Ethyl Acetate	6.90	43	44721	18.849	ug/l	98
38) Carbon Tetrachloride	7.75	117	53225	18.668	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	59799	18.350	ug/l	96
40) Benzene	8.02	78	146669	18.834	ug/l	99
41) Methacrylonitrile	7.14	41	15634m	15.713	ug/l	
42) 1,2-Dichloroethane	8.10	62	52724	19.317	ug/l	98
43) Isopropyl Acetate	8.14	43	76761	18.926	ug/l	99
44) Trichloroethene	8.82	130	40283	18.682	ug/l	99
45) 1,2-Dichloropropane	9.10	63	37616	19.511	ug/l	99
46) Dibromomethane	9.19	93	25371	18.622	ug/l	98
47) Bromodichloromethane	9.39	83	52136	18.822	ug/l	97
48) Methyl methacrylate	9.18	41	32915	18.088	ug/l	99
49) 1,4-Dioxane	9.18	88	12115	389.661	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	220512	93.933	ug/l	99
52) Toluene	10.14	92	93813	18.786	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	59416	19.003	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	62131	18.871	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	36944	18.963	ug/l	98
56) Ethyl methacrylate	10.42	69	51033	18.517	ug/l	100
57) 1,3-Dichloropropane	10.70	76	61183	19.032	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	117270	91.337	ug/l	100
59) 2-Hexanone	10.74	43	157813	87.025	ug/l	100
60) Dibromochloromethane	10.89	129	41485	18.556	ug/l	97
61) 1,2-Dibromoethane	10.99	107	37955	18.585	ug/l	100
64) Tetrachloroethene	10.62	164	38320	19.105	ug/l	96
65) Chlorobenzene	11.43	112	100407	18.679	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	38481	18.924	ug/l	99
67) Ethyl Benzene	11.50	91	180683	18.637	ug/l	98
68) m/p-Xylenes	11.61	106	137499	37.788	ug/l	98
69) o-Xylene	11.94	106	65084	18.577	ug/l	98
70) Styrene	11.96	104	101631	17.989	ug/l	100
71) Bromoform	12.12	173	30569	18.690	ug/l #	97
73) Isopropylbenzene	12.25	105	178098	18.734	ug/l	100
74) N-amyl acetate	12.07	43	61172	17.844	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	51263	18.734	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	47147m	19.357	ug/l	
77) Bromobenzene	12.52	156	44718	18.954	ug/l	99
78) n-propylbenzene	12.59	91	200280	18.491	ug/l	99
79) 2-Chlorotoluene	12.67	91	116320	18.271	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	149305	18.889	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	18178	18.274	ug/l	99
82) 4-Chlorotoluene	12.77	91	119610	18.313	ug/l	100
83) tert-Butylbenzene	12.99	119	129038	18.454	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	148788	19.069	ug/l	100
85) sec-Butylbenzene	13.17	105	173010	18.683	ug/l	99
86) p-Isopropyltoluene	13.29	119	155552	18.540	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	77260	18.500	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	77240	18.499	ug/l	98
89) n-Butylbenzene	13.61	91	134381	18.210	ug/l	99
90) Hexachloroethane	13.87	117	28565	18.224	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	76718	18.771	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	10247	17.104	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	42934	17.879	ug/l	98
94) Hexachlorobutadiene	15.01	225	25653	18.247	ug/l	98
95) Naphthalene	15.13	128	107876	16.630	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	43086	18.017	ug/l	100

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

