

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021020\
 Data File : VN060037.D
 Acq On : 10 Feb 2020 11:46
 Operator : JC/MD
 Sample : VN0210WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0210WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/11/2020 11:04:07 AM

Quant Time: Feb 11 07:24:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	173563	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	272889	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	250972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	118354	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	109191	56.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.30%	
35) Dibromofluoromethane	7.56	113	88384	54.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.62%	
50) Toluene-d8	10.08	98	321336	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
62) 4-Bromofluorobenzene	12.40	95	119988	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	29817	14.197	ug/l	100
3) Chloromethane	2.04	50	32691	16.452	ug/l	100
4) Vinyl Chloride	2.17	62	40055	17.618	ug/l	96
5) Bromomethane	2.55	94	24652	17.767	ug/l	100
6) Chloroethane	2.69	64	19706	18.320	ug/l	100
7) Trichlorofluoromethane	3.00	101	49560	18.151	ug/l	100
8) Diethyl Ether	3.39	74	18527	19.335	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.74	101	29902	19.677	ug/l	95
10) Methyl Iodide	3.93	142	37530	15.279	ug/l	95
11) Tert butyl alcohol	4.73	59	32559	100.343	ug/l	98
12) 1,1-Dichloroethene	3.72	96	27034	17.025	ug/l	89
13) Acrolein	3.58	56	18081	78.719	ug/l	99
14) Allyl chloride	4.30	41	41058	19.183	ug/l #	86
15) Acrylonitrile	4.94	53	76415	103.241	ug/l	98
16) Acetone	3.78	43	88574	129.925	ug/l	96
17) Carbon Disulfide	4.03	76	62169	13.744	ug/l	99
18) Methyl Acetate	4.29	43	48540	21.560	ug/l	94
19) Methyl tert-butyl Ether	5.00	73	107964	20.853	ug/l	95
20) Methylene Chloride	4.52	84	33664	18.489	ug/l	94
21) trans-1,2-Dichloroethene	5.01	96	30241	17.916	ug/l	91
22) Diisopropyl ether	5.91	45	101922	21.013	ug/l #	91
23) Vinyl Acetate	5.86	43	382781	101.929	ug/l	96
24) 1,1-Dichloroethane	5.82	63	59384	20.037	ug/l	97
25) 2-Butanone	6.80	43	113074	103.594	ug/l	92
26) 2,2-Dichloropropane	6.80	77	56282	19.753	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	38177	19.664	ug/l	91
28) Bromochloromethane	7.17	49	23129	19.526	ug/l #	77
29) Tetrahydrofuran	7.18	42	68613	101.598	ug/l	90
30) Chloroform	7.35	83	64277	20.932	ug/l	99
31) Cyclohexane	7.63	56	48934	17.159	ug/l	91
32) 1,1,1-Trichloroethane	7.54	97	56317	19.835	ug/l	96
36) 1,1-Dichloropropene	7.77	75	42998	18.094	ug/l	96
37) Ethyl Acetate	6.90	43	41202	18.486	ug/l	96
38) Carbon Tetrachloride	7.75	117	49313	19.076	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	51467	17.564	ug/l	91
40) Benzene	8.02	78	131875	18.607	ug/l	97
41) Methacrylonitrile	7.15	41	19893m	18.120	ug/l	
42) 1,2-Dichloroethane	8.10	62	52012	21.645	ug/l	97
43) Isopropyl Acetate	8.14	43	75835	19.781	ug/l #	95
44) Trichloroethene	8.82	130	38028	19.655	ug/l	93
45) 1,2-Dichloropropane	9.10	63	35185	20.063	ug/l	99
46) Dibromomethane	9.19	93	24957	20.173	ug/l	94
47) Bromodichloromethane	9.38	83	51408	20.621	ug/l	95
48) Methyl methacrylate	9.18	41	33889	19.762	ug/l	93
49) 1,4-Dioxane	9.18	88	13013	414.528	ug/l	91
51) 4-Methyl-2-Pentanone	9.97	43	223473	100.837	ug/l	95
52) Toluene	10.14	92	87218	19.483	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	57862	20.786	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	61810	21.103	ug/l	92
55) 1,1,2-Trichloroethane	10.55	97	36893	20.808	ug/l	97
56) Ethyl methacrylate	10.42	69	51792	19.117	ug/l	94
57) 1,3-Dichloropropane	10.70	76	60293	21.419	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	88176	108.056	ug/l	93
59) 2-Hexanone	10.74	43	167787	102.769	ug/l	97
60) Dibromochloromethane	10.89	129	42851	21.223	ug/l	98
61) 1,2-Dibromoethane	10.99	107	37584	20.224	ug/l	99
64) Tetrachloroethene	10.62	164	39349	19.237	ug/l	96
65) Chlorobenzene	11.43	112	95909	19.442	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	38464	20.180	ug/l	98
67) Ethyl Benzene	11.50	91	168901	18.861	ug/l	99
68) m/p-Xylenes	11.62	106	127531	37.702	ug/l	93
69) o-Xylene	11.94	106	61962	18.711	ug/l	96
70) Styrene	11.96	104	99816	18.013	ug/l	96
71) Bromoform	12.12	173	30501	19.977	ug/l #	100
73) Isopropylbenzene	12.25	105	169445	19.521	ug/l	100
74) N-amyl acetate	12.07	43	63646	18.897	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	52077	20.696	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	44657m	22.421	ug/l	
77) Bromobenzene	12.52	156	42291	19.240	ug/l	88
78) n-propylbenzene	12.59	91	189732	19.475	ug/l	98
79) 2-Chlorotoluene	12.67	91	113893	19.651	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	139757	19.145	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	17998	19.405	ug/l	98
82) 4-Chlorotoluene	12.77	91	116223	19.993	ug/l	97
83) tert-Butylbenzene	12.99	119	126741	20.075	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	139149	19.268	ug/l	98
85) sec-Butylbenzene	13.17	105	161517	19.472	ug/l	98
86) p-Isopropyltoluene	13.28	119	149314	19.454	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	75042	19.654	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	74775	19.631	ug/l	97
89) n-Butylbenzene	13.61	91	129564	19.798	ug/l	99
90) Hexachloroethane	13.87	117	28719	19.999	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	75613	20.031	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11272	19.600	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	44213	19.493	ug/l	98
94) Hexachlorobutadiene	15.01	225	25309	20.249	ug/l	99
95) Naphthalene	15.13	128	123001	19.065	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	45821	20.754	ug/l	99

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

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