

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021720\
 Data File : VN060113.D
 Acq On : 17 Feb 2020 12:51
 Operator : JC/MD
 Sample : VN0217WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0217WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/18/2020 9:26:50 AM

Quant Time: Feb 17 14:25:56 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	206233	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	333233	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	309126	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	146711	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	133068	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	
35) Dibromofluoromethane	7.57	113	100926	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
50) Toluene-d8	10.08	98	400304	49.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.26%	
62) 4-Bromofluorobenzene	12.40	95	145096	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	39795	19.305	ug/l	99
3) Chloromethane	2.04	50	50857	20.731	ug/l	99
4) Vinyl Chloride	2.17	62	56188	20.094	ug/l	99
5) Bromomethane	2.55	94	33213	19.371	ug/l	98
6) Chloroethane	2.69	64	28022	19.813	ug/l	94
7) Trichlorofluoromethane	3.00	101	68097	18.889	ug/l	95
8) Diethyl Ether	3.39	74	24284	20.235	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	38883	19.426	ug/l	97
10) Methyl Iodide	3.93	142	48660	19.679	ug/l	99
11) Tert butyl alcohol	4.73	59	44452	118.370	ug/l	98
12) 1,1-Dichloroethene	3.72	96	38211	19.597	ug/l	96
13) Acrolein	3.58	56	34252	92.275	ug/l	96
14) Allyl chloride	4.30	41	61654	21.483	ug/l	92
15) Acrylonitrile	4.95	53	103161	112.485	ug/l	100
16) Acetone	3.78	43	116601	106.521	ug/l	99
17) Carbon Disulfide	4.03	76	110283	18.765	ug/l	99
18) Methyl Acetate	4.29	43	48012	23.349	ug/l	96
19) Methyl tert-butyl Ether	5.01	73	131502	20.055	ug/l	100
20) Methylene Chloride	4.52	84	43390	19.868	ug/l	94
21) trans-1,2-Dichloroethene	5.01	96	40638	19.119	ug/l	95
22) Diisopropyl ether	5.92	45	132405	21.051	ug/l	97
23) Vinyl Acetate	5.86	43	565650	107.093	ug/l	98
24) 1,1-Dichloroethane	5.82	63	76536	20.087	ug/l	99
25) 2-Butanone	6.80	43	152514	110.783	ug/l	97
26) 2,2-Dichloropropane	6.80	77	71163	19.664	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	47780	19.208	ug/l	96
28) Bromochloromethane	7.17	49	33456	22.335	ug/l	95
29) Tetrahydrofuran	7.18	42	97394	115.317	ug/l	96
30) Chloroform	7.35	83	78560	19.683	ug/l	98
31) Cyclohexane	7.63	56	73392	20.678	ug/l	94
32) 1,1,1-Trichloroethane	7.55	97	70842	19.423	ug/l	99
36) 1,1-Dichloropropene	7.77	75	58241	18.869	ug/l	98
37) Ethyl Acetate	6.90	43	63241	22.671	ug/l	98
38) Carbon Tetrachloride	7.75	117	61814	18.440	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	71354	18.623	ug/l	97
40) Benzene	8.02	78	173513	18.951	ug/l	100
41) Methacrylonitrile	7.15	41	25153m	21.501	ug/l	
42) 1,2-Dichloroethane	8.10	62	62280	19.408	ug/l	100
43) Isopropyl Acetate	8.14	43	102314	21.456	ug/l	97
44) Trichloroethene	8.82	130	46083	18.177	ug/l	98
45) 1,2-Dichloropropane	9.10	63	46312	20.431	ug/l	98
46) Dibromomethane	9.19	93	30325	18.931	ug/l	97
47) Bromodichloromethane	9.39	83	61015	18.735	ug/l	97
48) Methyl methacrylate	9.18	41	42363	19.801	ug/l	99
49) 1,4-Dioxane	9.18	88	17458	477.588	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	302171	109.480	ug/l	98
52) Toluene	10.14	92	108814	18.533	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	70895	19.286	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	74773	19.317	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	42619	18.606	ug/l	99
56) Ethyl methacrylate	10.42	69	63332	19.545	ug/l	95
57) 1,3-Dichloropropane	10.70	76	71882	19.019	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	160329	106.210	ug/l	97
59) 2-Hexanone	10.74	43	229679	107.725	ug/l	99
60) Dibromochloromethane	10.89	129	47820	18.193	ug/l	97
61) 1,2-Dibromoethane	10.99	107	44957	18.723	ug/l	100
64) Tetrachloroethene	10.62	164	41869	17.817	ug/l	98
65) Chlorobenzene	11.43	112	115574	18.351	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	43769	18.371	ug/l	98
67) Ethyl Benzene	11.50	91	212307	18.691	ug/l	99
68) m/p-Xylenes	11.62	106	157030	36.834	ug/l	98
69) o-Xylene	11.94	106	75601	18.418	ug/l	97
70) Styrene	11.96	104	120753	18.243	ug/l	99
71) Bromoform	12.12	173	34631	18.072	ug/l #	98
73) Isopropylbenzene	12.25	105	207324	18.924	ug/l	99
74) N-amyl acetate	12.06	43	83906	21.239	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	63880	20.257	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	58500m	20.842	ug/l	
77) Bromobenzene	12.52	156	49910	18.357	ug/l	95
78) n-propylbenzene	12.59	91	234663	18.800	ug/l	99
79) 2-Chlorotoluene	12.67	91	140383	19.135	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	171747	18.854	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	22860	19.941	ug/l	98
82) 4-Chlorotoluene	12.77	91	141105	18.746	ug/l	98
83) tert-Butylbenzene	12.99	119	147953	18.361	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	171614	19.086	ug/l	100
85) sec-Butylbenzene	13.17	105	198342	18.586	ug/l	100
86) p-Isopropyltoluene	13.28	119	177314	18.338	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	87315	18.143	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	87838	18.255	ug/l	98
89) n-Butylbenzene	13.61	91	156333	18.383	ug/l	99
90) Hexachloroethane	13.87	117	33059	18.302	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	84685	17.980	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	13859	20.210	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	49203	17.779	ug/l	99
94) Hexachlorobutadiene	15.01	225	27694	17.094	ug/l	99
95) Naphthalene	15.13	128	140877	18.845	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	48293	17.523	ug/l	97

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

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