

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021420\
 Data File : VN060102.D
 Acq On : 14 Feb 2020 11:39
 Operator : JC/MD
 Sample : VN0214WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/18/2020 9:30:19 AM

Quant Time: Feb 15 02:57:29 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	179113	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	288164	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	272182	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	128343	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	117644	53.98	ug/l	0.00
Spiked Amount			Recovery	=	107.96%	
35) Dibromofluoromethane	7.57	113	91255	51.52	ug/l	0.00
Spiked Amount			Recovery	=	103.04%	
50) Toluene-d8	10.08	98	353563	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	
62) 4-Bromofluorobenzene	12.40	95	128648	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	37826	21.128	ug/l	98
3) Chloromethane	2.04	50	45240	21.234	ug/l	100
4) Vinyl Chloride	2.17	62	50525	20.805	ug/l	99
5) Bromomethane	2.55	94	29896	20.077	ug/l	99
6) Chloroethane	2.69	64	25480	20.744	ug/l	98
7) Trichlorofluoromethane	3.00	101	60909	19.453	ug/l	98
8) Diethyl Ether	3.38	74	22842	21.916	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.74	101	35081	20.181	ug/l	97
10) Methyl Iodide	3.93	142	46031	21.212	ug/l	99
11) Tert butyl alcohol	4.73	59	35814	109.808	ug/l	98
12) 1,1-Dichloroethene	3.72	96	34169	20.177	ug/l	98
13) Acrolein	3.58	56	23951	74.294	ug/l	94
14) Allyl chloride	4.30	41	58403	23.432	ug/l	88
15) Acrylonitrile	4.94	53	91315	114.645	ug/l	98
16) Acetone	3.78	43	93526	98.377	ug/l	97
17) Carbon Disulfide	4.03	76	101647	19.914	ug/l	100
18) Methyl Acetate	4.29	43	42820	23.977	ug/l	96
19) Methyl tert-butyl Ether	5.00	73	120856	21.222	ug/l	99
20) Methylene Chloride	4.52	84	39495	20.823	ug/l	93
21) trans-1,2-Dichloroethene	5.01	96	36699	19.880	ug/l	97
22) Diisopropyl ether	5.91	45	121504	22.243	ug/l	98
23) Vinyl Acetate	5.86	43	507384	110.607	ug/l	97
24) 1,1-Dichloroethane	5.82	63	69832	21.103	ug/l	98
25) 2-Butanone	6.80	43	128990	107.882	ug/l	98
26) 2,2-Dichloropropane	6.80	77	62282	19.816	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	43497	20.134	ug/l	97
28) Bromochloromethane	7.17	49	27524	21.157	ug/l	94
29) Tetrahydrofuran	7.18	42	81746	111.445	ug/l	96
30) Chloroform	7.35	83	71711	20.687	ug/l	99
31) Cyclohexane	7.63	56	64383	20.886	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	62818	19.831	ug/l	99
36) 1,1-Dichloropropene	7.77	75	53245	19.949	ug/l	98
37) Ethyl Acetate	6.90	43	51560	21.374	ug/l	99
38) Carbon Tetrachloride	7.75	117	54773	18.895	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	64735	19.538	ug/l	98
40) Benzene	8.02	78	158601	20.032	ug/l	100
41) Methacrylonitrile	7.14	41	21448m	21.201	ug/l	
42) 1,2-Dichloroethane	8.10	62	58545	21.097	ug/l	98
43) Isopropyl Acetate	8.14	43	89819	21.782	ug/l	97
44) Trichloroethene	8.82	130	41685	19.014	ug/l	94
45) 1,2-Dichloropropane	9.10	63	41954	21.403	ug/l	97
46) Dibromomethane	9.19	93	28871	20.842	ug/l	97
47) Bromodichloromethane	9.39	83	57669	20.477	ug/l	98
48) Methyl methacrylate	9.18	41	38678	20.906	ug/l	98
49) 1,4-Dioxane	9.18	88	14418	456.112	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	259088	108.551	ug/l	98
52) Toluene	10.14	92	99598	19.617	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	63574	19.999	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	66962	20.004	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	39726	20.056	ug/l	96
56) Ethyl methacrylate	10.42	69	57592	20.554	ug/l	95
57) 1,3-Dichloropropane	10.70	76	67041	20.512	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	142251	108.973	ug/l	98
59) 2-Hexanone	10.74	43	194240	105.352	ug/l	98
60) Dibromochloromethane	10.89	129	43168	18.992	ug/l	95
61) 1,2-Dibromoethane	10.99	107	41408	19.942	ug/l	99
64) Tetrachloroethene	10.62	164	37709	18.225	ug/l	99
65) Chlorobenzene	11.43	112	106598	19.223	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.50	131	39993	19.065	ug/l	98
67) Ethyl Benzene	11.50	91	192184	19.216	ug/l	100
68) m/p-Xylenes	11.62	106	143673	38.275	ug/l	99
69) o-Xylene	11.94	106	70106	19.398	ug/l	99
70) Styrene	11.96	104	110627	18.982	ug/l	99
71) Bromoform	12.12	173	32195	19.081	ug/l #	97
73) Isopropylbenzene	12.25	105	186477	19.457	ug/l	100
74) N-amyl acetate	12.07	43	74369	21.519	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	57778	20.945	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	52729m	21.474	ug/l	
77) Bromobenzene	12.52	156	46091	19.379	ug/l	94
78) n-propylbenzene	12.59	91	213730	19.574	ug/l	100
79) 2-Chlorotoluene	12.67	91	125747	19.593	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	157649	19.784	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20413	20.355	ug/l	98
82) 4-Chlorotoluene	12.77	91	130346	19.795	ug/l	98
83) tert-Butylbenzene	12.99	119	133224	18.899	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	156484	19.894	ug/l	100
85) sec-Butylbenzene	13.17	105	179429	19.220	ug/l	99
86) p-Isopropyltoluene	13.28	119	162710	19.236	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	81107	19.265	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	81780	19.428	ug/l	99
89) n-Butylbenzene	13.61	91	143603	19.302	ug/l	99
90) Hexachloroethane	13.87	117	29865	18.900	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	78899	19.149	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12226	20.387	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47895	19.784	ug/l	99
94) Hexachlorobutadiene	15.01	225	26115	18.426	ug/l	99
95) Naphthalene	15.13	128	132554	20.269	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	47972	19.898	ug/l	98

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

