

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022120\
 Data File : VN060188.D
 Acq On : 21 Feb 2020 14:23
 Operator : JC/MD
 Sample : VN0221WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 11:41:16 AM

Quant Time: Feb 21 23:07:58 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	186060	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	294296	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	272402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	130209	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	115860	51.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.34%	
35) Dibromofluoromethane	7.56	113	90402	49.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.94%	
50) Toluene-d8	10.08	98	355214	49.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.72%	
62) 4-Bromofluorobenzene	12.39	95	126584	48.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.72%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	34770	18.696	ug/l	100
3) Chloromethane	2.04	50	40720	18.399	ug/l	96
4) Vinyl Chloride	2.17	62	47379	18.781	ug/l	98
5) Bromomethane	2.55	94	29779	19.251	ug/l	95
6) Chloroethane	2.69	64	24261	19.014	ug/l	98
7) Trichlorofluoromethane	3.00	101	61746	18.984	ug/l	98
8) Diethyl Ether	3.39	74	21644	19.991	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	34535	19.125	ug/l	97
10) Methyl Iodide	3.93	142	43892	19.675	ug/l	99
11) Tert butyl alcohol	4.73	59	34271	101.154	ug/l	100
12) 1,1-Dichloroethene	3.72	96	33616	19.110	ug/l	95
13) Acrolein	3.58	56	27386	81.777	ug/l	97
14) Allyl chloride	4.30	41	49124	18.973	ug/l	98
15) Acrylonitrile	4.94	53	87720	106.019	ug/l	99
16) Acetone	3.78	43	84721	85.788	ug/l	99
17) Carbon Disulfide	4.03	76	93782	17.687	ug/l	100
18) Methyl Acetate	4.29	43	39792	21.450	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	115551	19.533	ug/l	98
20) Methylene Chloride	4.52	84	38292	19.435	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	36092	18.822	ug/l	100
22) Diisopropyl ether	5.91	45	113286	19.964	ug/l	98
23) Vinyl Acetate	5.86	43	472914	99.244	ug/l	99
24) 1,1-Dichloroethane	5.82	63	67366	19.597	ug/l	99
25) 2-Butanone	6.80	43	118827	95.672	ug/l	98
26) 2,2-Dichloropropane	6.80	77	62945	19.279	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	42666	19.012	ug/l	100
28) Bromochloromethane	7.17	49	25083	18.561	ug/l	99
29) Tetrahydrofuran	7.18	42	78176	102.598	ug/l	98
30) Chloroform	7.35	83	69883	19.407	ug/l	99
31) Cyclohexane	7.63	56	61204	19.114	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	62791	19.082	ug/l	99
36) 1,1-Dichloropropene	7.77	75	51936	19.053	ug/l	99
37) Ethyl Acetate	6.90	43	50042	20.313	ug/l	99
38) Carbon Tetrachloride	7.75	117	55072	18.603	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	61999	18.323	ug/l	99
40) Benzene	8.02	78	152355	18.842	ug/l	100
41) Methacrylonitrile	7.15	41	19578m	18.950	ug/l	
42) 1,2-Dichloroethane	8.10	62	55901	19.725	ug/l	98
43) Isopropyl Acetate	8.14	43	83676	19.869	ug/l	98
44) Trichloroethene	8.82	130	41803	18.671	ug/l	97
45) 1,2-Dichloropropane	9.10	63	40077	20.020	ug/l	93
46) Dibromomethane	9.19	93	27097	19.154	ug/l	98
47) Bromodichloromethane	9.38	83	55264	19.215	ug/l	99
48) Methyl methacrylate	9.18	41	35705	18.897	ug/l	99
49) 1,4-Dioxane	9.18	88	12940	400.827	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	246412	101.089	ug/l	99
52) Toluene	10.14	92	97027	18.712	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	62531	19.261	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	64378	18.832	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	39222	19.389	ug/l	99
56) Ethyl methacrylate	10.42	69	54571	19.070	ug/l	97
57) 1,3-Dichloropropane	10.70	76	64107	19.205	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.68	63	128877	96.670	ug/l	99
59) 2-Hexanone	10.74	43	180695	95.964	ug/l	99
60) Dibromochloromethane	10.89	129	43314	18.659	ug/l	98
61) 1,2-Dibromoethane	10.99	107	40893	19.284	ug/l	99
64) Tetrachloroethene	10.62	164	39788	19.214	ug/l	99
65) Chlorobenzene	11.42	112	105439	18.999	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	40285	19.188	ug/l	99
67) Ethyl Benzene	11.50	91	189914	18.973	ug/l	100
68) m/p-Xylenes	11.61	106	141222	37.592	ug/l	100
69) o-Xylene	11.94	106	68707	18.995	ug/l	100
70) Styrene	11.96	104	106767	18.304	ug/l	99
71) Bromoform	12.12	173	31890	18.885	ug/l #	97
73) Isopropylbenzene	12.24	105	185612	19.089	ug/l	99
74) N-amyl acetate	12.06	43	68690	19.591	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	55919	19.980	ug/l	100
76) 1,2,3-Trichloropropane	12.54	75	52594m	21.112	ug/l	
77) Bromobenzene	12.52	156	46577	19.302	ug/l	98
78) n-propylbenzene	12.58	91	207490	18.730	ug/l	100
79) 2-Chlorotoluene	12.67	91	122661	18.838	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	153699	19.012	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	19577	19.242	ug/l	98
82) 4-Chlorotoluene	12.77	91	125885	18.844	ug/l	100
83) tert-Butylbenzene	12.99	119	135685	18.972	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	153803	19.273	ug/l	99
85) sec-Butylbenzene	13.17	105	177193	18.708	ug/l	100
86) p-Isopropyltoluene	13.28	119	160565	18.711	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	80607	18.872	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	79078	18.517	ug/l	98
89) n-Butylbenzene	13.61	91	137940	18.275	ug/l	99
90) Hexachloroethane	13.87	117	29182	18.203	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	79324	18.976	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11767	19.300	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	44492	18.115	ug/l	100
94) Hexachlorobutadiene	15.00	225	25359	17.636	ug/l	96
95) Naphthalene	15.13	128	119375	17.993	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	44883	18.350	ug/l	100

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

