

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040120\
 Data File : VN060807.D
 Acq On : 1 Apr 2020 13:44
 Operator : JC/MD
 Sample : VN0401WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0401WBSD01

Manual Integrations
 APPROVED

MMDadoda
 4/2/2020 10:13:54 AM

Quant Time: Apr 02 09:14:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	191881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	313388	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	282064	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	132143	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	133383	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
35) Dibromofluoromethane	7.56	113	98421	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
50) Toluene-d8	10.08	98	384048	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
62) 4-Bromofluorobenzene	12.40	95	140711	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	31751	17.101	ug/l	100
3) Chloromethane	2.04	50	53114	15.317	ug/l	100
4) Vinyl Chloride	2.17	62	42553	15.690	ug/l	99
5) Bromomethane	2.55	94	22298	19.045	ug/l	97
6) Chloroethane	2.69	64	27213	17.418	ug/l	99
7) Trichlorofluoromethane	3.00	101	58427	17.488	ug/l	99
8) Diethyl Ether	3.38	74	25344	18.883	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	35620	18.399	ug/l	100
10) Methyl Iodide	3.93	142	31308	18.174	ug/l	99
11) Tert butyl alcohol	4.73	59	38311	98.895	ug/l	99
12) 1,1-Dichloroethene	3.72	96	35935	17.297	ug/l	97
13) Acrolein	3.57	56	35217	82.025	ug/l	98
14) Allyl chloride	4.29	41	65282	17.867	ug/l	97
15) Acrylonitrile	4.94	53	106731	93.693	ug/l	99
16) Acetone	3.78	43	90210	96.683	ug/l	98
17) Carbon Disulfide	4.03	76	102193	16.174	ug/l	99
18) Methyl Acetate	4.28	43	51666	19.673	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	131194	18.368	ug/l	98
20) Methylene Chloride	4.52	84	42101	18.343	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	38441	17.362	ug/l	91
22) Diisopropyl ether	5.91	45	146122	18.929	ug/l	98
23) Vinyl Acetate	5.86	43	604807	96.026	ug/l	100
24) 1,1-Dichloroethane	5.82	63	77670	18.457	ug/l	99
25) 2-Butanone	6.80	43	144094	95.437	ug/l	100
26) 2,2-Dichloropropane	6.79	77	65271	19.713	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	45500	18.084	ug/l	97
28) Bromochloromethane	7.16	49	40066	19.900	ug/l	99
29) Tetrahydrofuran	7.18	42	99193	92.854	ug/l	98
30) Chloroform	7.34	83	73131	18.127	ug/l	99
31) Cyclohexane	7.63	56	73499	17.324	ug/l	95
32) 1,1,1-Trichloroethane	7.54	97	62374	17.935	ug/l	98
36) 1,1-Dichloropropene	7.77	75	55813	18.392	ug/l	99
37) Ethyl Acetate	6.89	43	61795	18.846	ug/l	99
38) Carbon Tetrachloride	7.75	117	48630	17.880	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	66793	18.522	ug/l	98
40) Benzene	8.02	78	169540	18.507	ug/l	99
41) Methacrylonitrile	7.14	41	31335m	22.393	ug/l	
42) 1,2-Dichloroethane	8.10	62	61273	19.572	ug/l	99
43) Isopropyl Acetate	8.14	43	103302	19.103	ug/l	100
44) Trichloroethene	8.82	130	43396	18.792	ug/l	96
45) 1,2-Dichloropropane	9.10	63	46843	19.379	ug/l	100
46) Dibromomethane	9.19	93	27628	18.906	ug/l	98
47) Bromodichloromethane	9.38	83	57954	19.085	ug/l	98
48) Methyl methacrylate	9.18	41	44613	18.530	ug/l	98
49) 1,4-Dioxane	9.18	88	12566	439.107	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	297888	96.807	ug/l	100
52) Toluene	10.14	92	102638	18.552	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	66683	19.117	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	72660	18.988	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	40770	19.155	ug/l	99
56) Ethyl methacrylate	10.42	69	62596	18.862	ug/l	99
57) 1,3-Dichloropropane	10.70	76	70307	19.036	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	144693	87.724	ug/l	100
59) 2-Hexanone	10.74	43	212889	96.042	ug/l	99
60) Dibromochloromethane	10.89	129	42143	19.169	ug/l	99
61) 1,2-Dibromoethane	10.99	107	41129	19.217	ug/l	100
64) Tetrachloroethene	10.62	164	40234	18.127	ug/l	99
65) Chlorobenzene	11.42	112	105428	18.855	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	39049	19.288	ug/l	99
67) Ethyl Benzene	11.50	91	195614	18.812	ug/l	100
68) m/p-Xylenes	11.61	106	143384	37.106	ug/l	99
69) o-Xylene	11.94	106	70096	19.002	ug/l	98
70) Styrene	11.96	104	110135	18.255	ug/l	99
71) Bromoform	12.12	173	28916	18.288	ug/l #	99
73) Isopropylbenzene	12.24	105	184227	18.577	ug/l	100
74) N-amyl acetate	12.06	43	86554	18.888	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	56819	18.946	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	53685m	18.828	ug/l	
77) Bromobenzene	12.52	156	44362	18.565	ug/l	99
78) n-propylbenzene	12.59	91	217749	18.585	ug/l	99
79) 2-Chlorotoluene	12.67	91	130253	18.607	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	156725	18.623	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	20683	18.630	ug/l	98
82) 4-Chlorotoluene	12.77	91	131921	18.503	ug/l	100
83) tert-Butylbenzene	12.99	119	132134	18.940	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	157639	18.934	ug/l	99
85) sec-Butylbenzene	13.17	105	178138	18.989	ug/l	100
86) p-Isopropyltoluene	13.28	119	159941	18.960	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	79675	18.905	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	79031	18.664	ug/l	98
89) n-Butylbenzene	13.61	91	145691	19.129	ug/l	100
90) Hexachloroethane	13.87	117	24762	20.194	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	77708	19.283	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11314	17.840	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	46629	18.842	ug/l	99
94) Hexachlorobutadiene	15.01	225	24928	20.548	ug/l	96
95) Naphthalene	15.13	128	137424	18.462	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	46882	19.233	ug/l	98

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

