

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030420\
 Data File : VN060341.D
 Acq On : 4 Mar 2020 12:04
 Operator : JC/MD
 Sample : VN0304WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:46:17 PM

Quant Time: Mar 05 05:55:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	195586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	322727	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	297197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	143368	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	129500	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
35) Dibromofluoromethane	7.56	113	85830	57.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.60%	
50) Toluene-d8	10.08	98	365871	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
62) 4-Bromofluorobenzene	12.40	95	138515	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	29949	16.701	ug/l	98
3) Chloromethane	2.04	50	54586	17.484	ug/l	99
4) Vinyl Chloride	2.16	62	43491	16.243	ug/l	99
5) Bromomethane	2.54	94	17293	14.331	ug/l	97
6) Chloroethane	2.69	64	24602	16.959	ug/l	97
7) Trichlorofluoromethane	3.00	101	58344	17.055	ug/l	97
8) Diethyl Ether	3.38	74	23817	18.440	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	34062	17.594	ug/l	100
10) Methyl Iodide	3.93	142	30137	17.056	ug/l	98
11) Tert butyl alcohol	4.73	59	36576	98.161	ug/l	100
12) 1,1-Dichloroethene	3.71	96	33398	17.724	ug/l	95
13) Acrolein	3.58	56	35907	103.295	ug/l	99
14) Allyl chloride	4.29	41	61544	17.764	ug/l	98
15) Acrylonitrile	4.94	53	96674	98.432	ug/l	98
16) Acetone	3.78	43	80541	99.389	ug/l	99
17) Carbon Disulfide	4.03	76	85714	16.720	ug/l	99
18) Methyl Acetate	4.29	43	49252	18.212	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	130631	19.148	ug/l	99
20) Methylene Chloride	4.52	84	39634	17.809	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	36339	17.725	ug/l	95
22) Diisopropyl ether	5.91	45	134046	19.101	ug/l	97
23) Vinyl Acetate	5.86	43	538436	96.554	ug/l	99
24) 1,1-Dichloroethane	5.81	63	72444	18.236	ug/l	98
25) 2-Butanone	6.80	43	130881	99.991	ug/l	99
26) 2,2-Dichloropropane	6.80	77	63506	17.560	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	44887	17.394	ug/l	99
28) Bromochloromethane	7.17	49	30970	18.988	ug/l	99
29) Tetrahydrofuran	7.18	42	87439	96.066	ug/l	99
30) Chloroform	7.34	83	74221	18.768	ug/l	100
31) Cyclohexane	7.63	56	64039	18.033	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	63440	18.106	ug/l	99
36) 1,1-Dichloropropene	7.77	75	51767	16.831	ug/l	99
37) Ethyl Acetate	6.89	43	57076	19.598	ug/l	99
38) Carbon Tetrachloride	7.75	117	51882	17.325	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	61292	16.901	ug/l	96
40) Benzene	8.02	78	160797	17.962	ug/l	99
41) Methacrylonitrile	7.14	41	22486m	16.721	ug/l	
42) 1,2-Dichloroethane	8.10	62	60309	18.669	ug/l	99
43) Isopropyl Acetate	8.14	43	98227	19.266	ug/l	99
44) Trichloroethene	8.82	130	44156	17.710	ug/l	99
45) 1,2-Dichloropropane	9.10	63	44308	18.930	ug/l	100
46) Dibromomethane	9.19	93	27861	18.345	ug/l	98
47) Bromodichloromethane	9.38	83	57307	18.553	ug/l	98
48) Methyl methacrylate	9.18	41	41726	17.947	ug/l	97
49) 1,4-Dioxane	9.18	88	12892	394.299	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	281703	97.448	ug/l	100
52) Toluene	10.14	92	101606	18.068	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	67707	17.889	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	71880	18.328	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	41577	18.385	ug/l	98
56) Ethyl methacrylate	10.42	69	60552	18.638	ug/l	97
57) 1,3-Dichloropropane	10.70	76	70137	19.018	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	160282	94.329	ug/l	100
59) 2-Hexanone	10.74	43	204135	96.177	ug/l	100
60) Dibromochloromethane	10.89	129	43772	19.033	ug/l	99
61) 1,2-Dibromoethane	10.99	107	41705	18.918	ug/l	95
64) Tetrachloroethene	10.62	164	46709	19.087	ug/l	99
65) Chlorobenzene	11.43	112	106382	17.727	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	40735	18.358	ug/l	97
67) Ethyl Benzene	11.50	91	195307	17.871	ug/l	99
68) m/p-Xylenes	11.62	106	144842	35.128	ug/l	99
69) o-Xylene	11.94	106	71085	18.079	ug/l	99
70) Styrene	11.96	104	112414	17.389	ug/l	99
71) Bromoform	12.12	173	29995	18.757	ug/l #	99
73) Isopropylbenzene	12.25	105	188995	17.786	ug/l	98
74) N-amyl acetate	12.07	43	83683	18.022	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	55569	19.238	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	54371m	17.285	ug/l	
77) Bromobenzene	12.52	156	46583	17.884	ug/l	98
78) n-propylbenzene	12.59	91	222606	17.871	ug/l	100
79) 2-Chlorotoluene	12.67	91	132086	18.040	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	160503	17.940	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	20162	17.694	ug/l #	84
82) 4-Chlorotoluene	12.77	91	135583	17.576	ug/l	98
83) tert-Butylbenzene	12.99	119	138170	17.837	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	160799	17.806	ug/l	100
85) sec-Butylbenzene	13.17	105	184136	17.752	ug/l	99
86) p-Isopropyltoluene	13.28	119	165718	17.261	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	81583	18.106	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	81693	18.137	ug/l	98
89) n-Butylbenzene	13.61	91	149449	16.957	ug/l	99
90) Hexachloroethane	13.87	117	23363	16.812	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	80264	17.585	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12038	18.404	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	52815	18.267	ug/l	99
94) Hexachlorobutadiene	15.01	225	25862	19.045	ug/l	99
95) Naphthalene	15.13	128	153957	17.848	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	50219	18.271	ug/l	99

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

