

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031219\
 Data File : VN054180.D
 Acq On : 12 Mar 2019 23:31
 Operator : JC/SP
 Sample : VN0312WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD02

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 11:41:13 AM

Quant Time: Mar 13 08:19:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1406744	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2192616	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1929920	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	919286	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	779072	52.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.30%	
35) Dibromofluoromethane	7.59	113	713629	50.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.92%	
50) Toluene-d8	10.09	98	2597437	49.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.46%	
62) 4-Bromofluorobenzene	12.40	95	900400	49.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.54%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	282968	21.224	ug/l	99
3) Chloromethane	2.06	50	273162	21.092	ug/l	99
4) Vinyl Chloride	2.19	62	306744	20.723	ug/l	100
5) Bromomethane	2.58	94	208228	20.311	ug/l	95
6) Chloroethane	2.71	64	177666	19.838	ug/l	98
7) Trichlorofluoromethane	3.02	101	391708	19.904	ug/l	100
8) Diethyl Ether	3.41	74	197461	22.018	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	309542	20.989	ug/l	98
10) Methyl Iodide	3.94	142	362118	18.270	ug/l	100
11) Tert butyl alcohol	4.82	59	107955	105.406	ug/l #	84
12) 1,1-Dichloroethene	3.73	96	316196	21.636	ug/l	98
13) Acrolein	3.61	56	89659	92.384	ug/l	93
14) Allyl chloride	4.32	41	390637	20.833	ug/l	99
15) Acrylonitrile	4.99	53	466121	110.796	ug/l	99
16) Acetone	3.82	43	350992	82.054	ug/l	98
17) Carbon Disulfide	4.04	76	760466	20.757	ug/l	99
18) Methyl Acetate	4.33	43	200368	23.153	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	796951	22.000	ug/l	98
20) Methylene Chloride	4.54	84	301333	21.454	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	300784	21.480	ug/l	98
22) Diisopropyl ether	5.96	45	786942	21.028	ug/l	98
23) Vinyl Acetate	5.90	43	2949431	106.892	ug/l	100
24) 1,1-Dichloroethane	5.85	63	512016	21.308	ug/l	98
25) 2-Butanone	6.85	43	513696	102.319	ug/l	99
26) 2,2-Dichloropropane	6.82	77	363689	17.211	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	338783	21.687	ug/l	98
28) Bromochloromethane	7.19	49	201026	20.464	ug/l	97
29) Tetrahydrofuran	7.22	42	351579	108.914	ug/l	99
30) Chloroform	7.37	83	542927	21.653	ug/l	99
31) Cyclohexane	7.65	56	472250	20.292	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	477839	21.101	ug/l	99
36) 1,1-Dichloropropene	7.79	75	408457	20.229	ug/l	99
37) Ethyl Acetate	6.94	43	243829	21.016	ug/l	100
38) Carbon Tetrachloride	7.77	117	413335	19.520	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	489456	19.701	ug/l	98
40) Benzene	8.04	78	1199375	20.757	ug/l	100
41) Methacrylonitrile	7.18	41	129784	19.592	ug/l	95
42) 1,2-Dichloroethane	8.13	62	403086	20.663	ug/l	99
43) Isopropyl Acetate	8.17	43	417676	20.510	ug/l	100
44) Trichloroethene	8.83	130	371838	20.715	ug/l	97
45) 1,2-Dichloropropane	9.12	63	296804	20.686	ug/l	100
46) Dibromomethane	9.21	93	199273	20.556	ug/l	99
47) Bromodichloromethane	9.40	83	398939	20.528	ug/l	96
48) Methyl methacrylate	9.20	41	221459	21.428	ug/l	99
49) 1,4-Dioxane	9.20	88	60835	416.149	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1150424	106.745	ug/l	100
52) Toluene	10.16	92	757076	20.664	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	383904	18.571	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	445850	19.687	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	281008	21.006	ug/l	99
56) Ethyl methacrylate	10.43	69	332861	20.867	ug/l	99
57) 1,3-Dichloropropane	10.71	76	458105	20.943	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	613444	99.505	ug/l	98
59) 2-Hexanone	10.75	43	740231	103.223	ug/l	99
60) Dibromochloromethane	10.90	129	298960	19.855	ug/l	98
61) 1,2-Dibromoethane	11.00	107	285715	21.017	ug/l	100
64) Tetrachloroethene	10.63	164	384530	20.608	ug/l	99
65) Chlorobenzene	11.43	112	876710	20.689	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	315138	20.471	ug/l	99
67) Ethyl Benzene	11.51	91	1426697	20.310	ug/l	100
68) m/p-Xylenes	11.62	106	1120820	40.824	ug/l	100
69) o-Xylene	11.95	106	552401	20.640	ug/l	98
70) Styrene	11.96	104	860086	20.490	ug/l	99
71) Bromoform	12.13	173	203572	18.883	ug/l	100
73) Isopropylbenzene	12.25	105	1472307	20.018	ug/l	100
74) N-amyl acetate	12.07	43	340367	20.849	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	320402	20.447	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	267577m	19.793	ug/l	
77) Bromobenzene	12.53	156	390653	20.072	ug/l	98
78) n-propylbenzene	12.59	91	1599117	20.038	ug/l	100
79) 2-Chlorotoluene	12.67	91	957112	19.946	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1206058	19.714	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	66316	16.769	ug/l	90
82) 4-Chlorotoluene	12.77	91	954452	19.920	ug/l	99
83) tert-Butylbenzene	12.99	119	1122290	19.931	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1221534	20.353	ug/l	99
85) sec-Butylbenzene	13.17	105	1461283	20.010	ug/l	100
86) p-Isopropyltoluene	13.29	119	1281881	20.009	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	669993	20.430	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	650615	20.195	ug/l	99
89) n-Butylbenzene	13.62	91	1009176	20.732	ug/l	99
90) Hexachloroethane	13.88	117	195882	18.465	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	661411	20.631	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	49812	20.543	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	361582	20.258	ug/l	99
94) Hexachlorobutadiene	15.01	225	245916	20.138	ug/l	98
95) Naphthalene	15.13	128	742548	20.608	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	369626	21.699	ug/l	98

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

