

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031219\
 Data File : VN054168.D
 Acq On : 12 Mar 2019 17:23
 Operator : JC/SP
 Sample : VN0312WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 11:49:32 AM

Quant Time: Mar 13 07:52:36 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	1462878	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2230261	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1948259	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	924059	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	773935	49.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.64%	
35) Dibromofluoromethane	7.59	113	709483	49.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.64%	
50) Toluene-d8	10.09	98	2577486	48.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.04%	
62) 4-Bromofluorobenzene	12.40	95	888008	47.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.54%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	297436	21.453	ug/l	100
3) Chloromethane	2.06	50	287861	21.375	ug/l	100
4) Vinyl Chloride	2.18	62	311492	20.236	ug/l	100
5) Bromomethane	2.57	94	217377	20.390	ug/l	96
6) Chloroethane	2.71	64	183204	19.671	ug/l	100
7) Trichlorofluoromethane	3.02	101	403466	19.715	ug/l	100
8) Diethyl Ether	3.41	74	198782	21.315	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	327824	21.376	ug/l	98
10) Methyl Iodide	3.94	142	378412	18.352	ug/l	98
11) Tert butyl alcohol	4.82	59	110531	103.780	ug/l #	87
12) 1,1-Dichloroethene	3.73	96	324618	21.360	ug/l	98
13) Acrolein	3.61	56	50342	49.882	ug/l	97
14) Allyl chloride	4.31	41	404249	20.732	ug/l	98
15) Acrylonitrile	4.99	53	459334	104.993	ug/l	99
16) Acetone	3.82	43	393724	88.512	ug/l	99
17) Carbon Disulfide	4.04	76	788450	20.695	ug/l	99
18) Methyl Acetate	4.33	43	193281	21.477	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	807362	21.432	ug/l	100
20) Methylene Chloride	4.54	84	305930	20.945	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	305333	20.969	ug/l	97
22) Diisopropyl ether	5.96	45	807351	20.746	ug/l	99
23) Vinyl Acetate	5.90	43	2985582	104.050	ug/l	100
24) 1,1-Dichloroethane	5.85	63	520457	20.828	ug/l	99
25) 2-Butanone	6.85	43	530372	101.587	ug/l	99
26) 2,2-Dichloropropane	6.82	77	443512	20.183	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	347094	21.366	ug/l	98
28) Bromochloromethane	7.19	49	206072	20.173	ug/l	97
29) Tetrahydrofuran	7.22	42	344015	102.482	ug/l	99
30) Chloroform	7.37	83	552261	21.180	ug/l	99
31) Cyclohexane	7.65	56	483541	19.961	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	488301	20.736	ug/l	99
36) 1,1-Dichloropropene	7.79	75	418656	20.384	ug/l	99
37) Ethyl Acetate	6.94	43	238306	20.193	ug/l	98
38) Carbon Tetrachloride	7.77	117	427031	19.826	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	515568	20.402	ug/l	99
40) Benzene	8.04	78	1207882	20.551	ug/l	99
41) Methacrylonitrile	7.17	41	115838	17.191	ug/l	87
42) 1,2-Dichloroethane	8.13	62	407675	20.545	ug/l	99
43) Isopropyl Acetate	8.17	43	414267	19.999	ug/l	100
44) Trichloroethene	8.84	130	380018	20.814	ug/l	100
45) 1,2-Dichloropropane	9.12	63	301397	20.652	ug/l	98
46) Dibromomethane	9.21	93	202602	20.547	ug/l	99
47) Bromodichloromethane	9.40	83	404476	20.461	ug/l	98
48) Methyl methacrylate	9.20	41	216115	20.558	ug/l	99
49) 1,4-Dioxane	9.21	88	58722	394.914	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	1106489	100.936	ug/l	100
52) Toluene	10.16	92	775034	20.797	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	398774	18.923	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	468105	20.321	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	283135	20.807	ug/l	98
56) Ethyl methacrylate	10.43	69	324528	20.002	ug/l	99
57) 1,3-Dichloropropane	10.71	76	460096	20.678	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	599168	96.218	ug/l	99
59) 2-Hexanone	10.75	43	707313	96.968	ug/l	99
60) Dibromochloromethane	10.90	129	306905	20.038	ug/l	100
61) 1,2-Dibromoethane	11.01	107	287158	20.766	ug/l	100
64) Tetrachloroethene	10.63	164	392930	20.860	ug/l	99
65) Chlorobenzene	11.44	112	889655	20.797	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	320044	20.594	ug/l	99
67) Ethyl Benzene	11.51	91	1451416	20.468	ug/l	99
68) m/p-Xylenes	11.62	106	1140033	41.133	ug/l	99
69) o-Xylene	11.95	106	563615	20.860	ug/l	99
70) Styrene	11.96	104	879313	20.751	ug/l	100
71) Bromoform	12.13	173	201408	18.553	ug/l #	99
73) Isopropylbenzene	12.25	105	1492754	20.191	ug/l	100
74) N-amyl acetate	12.07	43	319332	19.459	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	311995	19.808	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	265064m	19.506	ug/l	
77) Bromobenzene	12.53	156	393705	20.125	ug/l	98
78) n-propylbenzene	12.59	91	1633686	20.365	ug/l	100
79) 2-Chlorotoluene	12.67	91	972111	20.154	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1234635	20.077	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	71052	17.874	ug/l	95
82) 4-Chlorotoluene	12.77	91	971053	20.162	ug/l	100
83) tert-Butylbenzene	12.99	119	1138905	20.121	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1242502	20.595	ug/l	100
85) sec-Butylbenzene	13.17	105	1492438	20.332	ug/l	99
86) p-Isopropyltoluene	13.29	119	1302626	20.228	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	681180	20.664	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	659108	20.353	ug/l	99
89) n-Butylbenzene	13.62	91	1007069	20.582	ug/l	100
90) Hexachloroethane	13.88	117	198868	18.650	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	667038	20.699	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48524	19.908	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	360378	20.107	ug/l	99
94) Hexachlorobutadiene	15.01	225	256335	20.883	ug/l	100
95) Naphthalene	15.13	128	699947	19.541	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	366296	21.393	ug/l	99

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

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