

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020719\
 Data File : VN053648.D
 Acq On : 7 Feb 2019 11:52
 Operator : JC/SP
 Sample : VN0207WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0207WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/11/2019 12:13:48 PM

Quant Time: Feb 09 00:47:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	706651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1039279	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	902262	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	433557	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	346201	48.84	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.68%	
35) Dibromofluoromethane	7.59	113	333075	50.72	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.44%	
50) Toluene-d8	10.09	98	1234434	50.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.12%	
62) 4-Bromofluorobenzene	12.40	95	412123	50.11	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	149694	19.001	ug/l	99
3) Chloromethane	2.06	50	153560	18.304	ug/l	98
4) Vinyl Chloride	2.19	62	151761	18.635	ug/l	98
5) Bromomethane	2.57	94	103091	19.360	ug/l	97
6) Chloroethane	2.71	64	87570	18.817	ug/l	98
7) Trichlorofluoromethane	3.02	101	215836	19.544	ug/l	98
8) Diethyl Ether	3.41	74	74881	18.566	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	135050	19.773	ug/l	99
10) Methyl Iodide	3.95	142	190946	17.812	ug/l	99
11) Tert butyl alcohol	4.78	59	38506	91.780	ug/l	100
12) 1,1-Dichloroethene	3.74	96	123159	18.821	ug/l	97
13) Acrolein	3.61	56	18719	81.948	ug/l	98
14) Allyl chloride	4.33	41	193321	18.555	ug/l	99
15) Acrylonitrile	4.99	53	215417	95.110	ug/l	98
16) Acetone	3.82	43	181216	99.659	ug/l	97
17) Carbon Disulfide	4.06	76	355534	17.449	ug/l	99
18) Methyl Acetate	4.33	43	104213	19.352	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	317736	19.154	ug/l	99
20) Methylene Chloride	4.55	84	141673	18.571	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	131527	18.630	ug/l	97
22) Diisopropyl ether	5.95	45	370105	19.171	ug/l	95
23) Vinyl Acetate	5.90	43	1246252	93.315	ug/l	99
24) 1,1-Dichloroethane	5.85	63	243456	18.907	ug/l	100
25) 2-Butanone	6.83	43	242025	93.324	ug/l	98
26) 2,2-Dichloropropane	6.82	77	183415	18.659	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	150488	19.170	ug/l	98
28) Bromochloromethane	7.19	49	108326	19.386	ug/l	95
29) Tetrahydrofuran	7.21	42	154466	92.756	ug/l	97
30) Chloroform	7.37	83	242513	18.999	ug/l	100
31) Cyclohexane	7.65	56	219487	18.200	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	203390	19.146	ug/l	99
36) 1,1-Dichloropropene	7.79	75	184142	19.656	ug/l	99
37) Ethyl Acetate	6.93	43	103488	19.779	ug/l	99
38) Carbon Tetrachloride	7.77	117	183782	19.473	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	209550	18.853	ug/l	99
40) Benzene	8.04	78	559867	19.379	ug/l	99
41) Methacrylonitrile	7.18	41	59026	20.184	ug/l	93
42) 1,2-Dichloroethane	8.12	62	161612	18.840	ug/l	99
43) Isopropyl Acetate	8.16	43	184452	18.254	ug/l	100
44) Trichloroethene	8.83	130	157432	19.141	ug/l	100
45) 1,2-Dichloropropane	9.12	63	145547	19.697	ug/l	99
46) Dibromomethane	9.21	93	87133	19.561	ug/l	98
47) Bromodichloromethane	9.40	83	183228	19.784	ug/l	100
48) Methyl methacrylate	9.20	41	86182	17.867	ug/l	92
49) 1,4-Dioxane	9.20	88	25613	391.239	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	483465	97.365	ug/l	100
52) Toluene	10.16	92	341209	19.900	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	175747	18.951	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	211966	19.288	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	122394	19.810	ug/l	99
56) Ethyl methacrylate	10.43	69	140393	19.208	ug/l	98
57) 1,3-Dichloropropane	10.71	76	204711	19.387	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	348871	82.507	ug/l	98
59) 2-Hexanone	10.75	43	306699	90.984	ug/l	99
60) Dibromochloromethane	10.90	129	138439	19.870	ug/l	100
61) 1,2-Dibromoethane	11.00	107	115963	18.963	ug/l	100
64) Tetrachloroethene	10.63	164	151192	19.548	ug/l	97
65) Chlorobenzene	11.44	112	374604	19.546	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	133235	19.906	ug/l	99
67) Ethyl Benzene	11.51	91	618014	19.631	ug/l	100
68) m/p-Xylenes	11.62	106	484942	40.359	ug/l	99
69) o-Xylene	11.95	106	234375	20.190	ug/l	98
70) Styrene	11.97	104	378646	20.125	ug/l	99
71) Bromoform	12.13	173	92977	20.262	ug/l #	98
73) Isopropylbenzene	12.25	105	622981	20.440	ug/l	100
74) N-amyl acetate	12.07	43	141187	19.264	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	140205	19.221	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	115389m	20.721	ug/l	
77) Bromobenzene	12.53	156	162574	19.792	ug/l	97
78) n-propylbenzene	12.59	91	719030	20.408	ug/l	100
79) 2-Chlorotoluene	12.67	91	421818	20.179	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	531926	21.046	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	36164	18.261	ug/l	98
82) 4-Chlorotoluene	12.77	91	429222	20.011	ug/l	99
83) tert-Butylbenzene	12.99	119	465772	20.851	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	532121	20.665	ug/l	98
85) sec-Butylbenzene	13.17	105	641613	21.107	ug/l	100
86) p-Isopropyltoluene	13.29	119	561005	21.102	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	289425	19.600	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	284633	19.487	ug/l	99
89) n-Butylbenzene	13.62	91	474390	20.616	ug/l	99
90) Hexachloroethane	13.88	117	92920	21.190	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	281175	19.890	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19980	19.220	ug/l	98

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93) 1,2,4-Trichlorobenzene	14.91	180	151914	18.737	ug/l	99
94) Hexachlorobutadiene	15.01	225	107755	21.341	ug/l	98
95) Naphthalene	15.13	128	295245	16.700	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	140998	18.743	ug/l	100

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

