

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122118\
 Data File : VN053095.D
 Acq On : 21 Dec 2018 10:44
 Operator : MD\SY
 Sample : VN1221WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/22/2018 10:06:13 AM

Quant Time: Dec 22 01:02:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	166404	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	984391	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	876105	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	325429	28.70	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.67%
60) 4-Bromofluorobenzene	12.40	95	403731	30.14	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.47%
63) Toluene-d8	10.09	98	1159988	28.55	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.17%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	175381	18.505 ug/l	100
3) Chloromethane	2.06	50	230477	18.337 ug/l	100
4) Vinyl Chloride	2.19	62	240042	18.922 ug/l	97
5) Bromomethane	2.58	94	159088	21.994 ug/l	99
6) Chloroethane	2.71	64	148778	19.721 ug/l	98
7) Trichlorofluoromethane	3.03	101	314342	20.078 ug/l	98
8) Diethyl Ether	3.42	74	126085	21.810 ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.77	101	203086	20.463 ug/l	97
10) 1,1-Dichloroethene	3.74	96	191851	20.559 ug/l	96
11) Methyl Iodide	3.96	142	233377	18.013 ug/l	100
12) Methyl Acetate	4.33	43	183972	23.203 ug/l	99
13) Acrolein	3.61	56	83495	89.649 ug/l	98
14) Acrylonitrile	4.99	53	388524	115.006 ug/l	98
15) Acetone	3.82	58	84351	96.412 ug/l	92
16) Carbon Disulfide	4.06	76	532424	18.022 ug/l	100
17) Allyl chloride	4.33	41	301420	18.522 ug/l	98
18) Methylene Chloride	4.55	84	226942	21.004 ug/l	93
19) trans-1,2-Dichloroethene	5.05	96	207907	20.703 ug/l	95
20) Diisopropyl ether	5.95	45	702885	20.553 ug/l	95
21) 1,1-Dichloroethane	5.85	63	398054	20.421 ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	248270	21.571 ug/l	96
23) tert-Butyl Alcohol	4.78	59	71158	141.593 ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	574684	23.475 ug/l	96
25) Chloroform	7.37	83	393331	20.917 ug/l	98
26) Cyclohexane	7.66	56	349918	19.034 ug/l #	97
29) 1,1-Dichloropropene	7.80	75	301286	20.042 ug/l	98
30) 2-Butanone	6.84	43	434118	107.923 ug/l	96
31) 2,2-Dichloropropane	6.83	77	298540	21.572 ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	328759	21.018 ug/l	96
33) Carbon Tetrachloride	7.78	117	277671	20.288 ug/l	98
34) Benzene	8.04	78	922771	20.417 ug/l	98
35) Methacrylonitrile	7.17	41	124735	24.993 ug/l	95
36) 1,2-Dichloroethane	8.13	62	278897	20.364 ug/l	98
37) Trichloroethene	8.84	130	249416	21.763 ug/l	96
38) Methylcyclohexane	9.08	83	342110	18.384 ug/l	96
39) 1,2-Dichloropropane	9.12	63	246645	20.358 ug/l	95
40) Dibromomethane	9.21	93	142502	21.766 ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	297217	20.548	ug/l	99
42) Vinyl Acetate	5.90	43	2164616	99.457	ug/l	97
43) Ethyl Acetate	6.84	43	434118	50.754	ug/l	100
44) Isopropyl Acetate	8.17	43	363168	24.209	ug/l	98
45) 1,4-Dioxane	9.20	88	43575	530.980	ug/l	91
46) Methyl methacrylate	9.20	41	175622	22.548	ug/l	96
47) n-amyl Acetate	12.07	43	312093	25.092	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	305998	21.818	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	356554	20.866	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	210459	22.678	ug/l	99
51) Ethyl methacrylate	10.43	69	280198	24.040	ug/l	94
52) 1,3-Dichloropropane	10.71	76	357907	21.667	ug/l	99
53) Dibromochloromethane	10.90	129	226024	22.122	ug/l	97
54) 1,2-Dibromoethane	11.01	107	209368	23.088	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	791262	115.976	ug/l	98
56) Bromoform	12.13	173	157131	23.528	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	1008675	118.757	ug/l	97
59) 2-Hexanone	10.75	43	687328	118.462	ug/l	96
61) Tetrachloroethene	10.63	164	266708	24.717	ug/l	96
62) Toluene	10.16	91	999059	20.686	ug/l	100
64) Chlorobenzene	11.44	112	632265	21.448	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	223807	21.872	ug/l	99
66) Ethyl Benzene	11.51	91	1091392	20.967	ug/l	99
67) m/p-Xylenes	11.62	106	818468	42.205	ug/l	98
68) o-Xylene	11.95	106	408929	21.726	ug/l	98
69) Styrene	11.96	104	659871	21.720	ug/l	99
70) Isopropylbenzene	12.25	105	1070822	21.382	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	249077	22.864	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	215826m	23.079	ug/l	
73) Bromobenzene	12.53	156	273986	22.620	ug/l	95
74) n-propylbenzene	12.59	91	1187337	20.348	ug/l	99
75) 2-Chlorotoluene	12.68	91	713784	21.074	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	840086	20.768	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	68623	23.229	ug/l	97
78) 4-Chlorotoluene	12.77	91	709448	20.975	ug/l	99
79) tert-butylbenzene	12.99	119	753917	21.401	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	837457	20.690	ug/l	99
81) sec-Butylbenzene	13.17	105	975101	19.873	ug/l	100
82) p-Isopropyltoluene	13.29	119	832876	19.934	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	449878	21.118	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	444225	21.583	ug/l	98
85) n-Butylbenzene	13.62	91	656067	18.280	ug/l	99
86) Hexachloroethane	13.88	117	131062	18.513	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	434167	21.417	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	33810	22.156	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	201815	20.207	ug/l	99
90) Hexachlorobutadiene	15.01	225	126495	19.307	ug/l	99
91) Naphthalene	15.13	128	443200	21.974	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	185695	20.175	ug/l	99

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

