

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081219\
 Data File : VN057208.D
 Acq On : 12 Aug 2019 11:47
 Operator : JC/SP
 Sample : VN0812WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0812WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 9:23:38 AM

Quant Time: Aug 13 02:04:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sun Aug 11 03:53:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.59	128	165693	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.01	114	889965	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.91	117	774093	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.44	65	319979	29.63	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.77%
60) 4-Bromofluorobenzene	11.92	95	332806	28.87	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.23%
63) Toluene-d8	9.56	98	1081974	30.28	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.93%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.82	85	184350	20.398 ug/l	99
3) Chloromethane	2.00	50	205490	19.628 ug/l	99
4) Vinyl Chloride	2.11	62	199880	18.767 ug/l	99
5) Bromomethane	2.44	94	148463	19.568 ug/l	99
6) Chloroethane	2.55	64	132884	19.241 ug/l	99
7) Trichlorofluoromethane	2.83	101	312050	19.650 ug/l	98
8) Diethyl Ether	3.14	74	114591	19.360 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.44	101	188467	19.619 ug/l	89
10) 1,1-Dichloroethene	3.43	96	182128	19.176 ug/l	96
11) Methyl Iodide	3.63	142	285699	19.278 ug/l	97
12) Methyl Acetate	3.89	43	211111	21.338 ug/l	97
13) Acrolein	3.31	56	94495	86.604 ug/l	97
14) Acrylonitrile	4.45	53	409698	99.253 ug/l	99
15) Acetone	3.47	58	117564	85.816 ug/l	97
16) Carbon Disulfide	3.72	76	480290	18.745 ug/l	99
17) Allyl chloride	3.91	41	254601	18.183 ug/l	97
18) Methylene Chloride	4.10	84	206732	19.199 ug/l	98
19) trans-1,2-Dichloroethene	4.50	96	192315	18.887 ug/l	96
20) Diisopropyl ether	5.32	45	565159	19.791 ug/l	97
21) 1,1-Dichloroethane	5.25	63	347149	19.519 ug/l	98
22) cis-1,2-Dichloroethene	6.21	96	227536	19.633 ug/l	100
23) tert-Butyl Alcohol	4.24	59	137285	100.787 ug/l	# 100
24) Methyl tert-Butyl Ether	4.49	73	551951	19.762 ug/l	99
25) Chloroform	6.76	83	360319	19.702 ug/l	100
26) Cyclohexane	7.07	56	291762	19.189 ug/l	# 100
29) 1,1-Dichloropropene	7.20	75	265771	19.858 ug/l	99
30) 2-Butanone	6.20	43	510992	96.979 ug/l	# 97
31) 2,2-Dichloropropane	6.21	77	282197	19.721 ug/l	100
32) 1,1,1-Trichloroethane	6.98	97	311347	20.088 ug/l	100
33) Carbon Tetrachloride	7.18	117	274305	19.881 ug/l	97
34) Benzene	7.46	78	810587	19.841 ug/l	99
35) Methacrylonitrile	6.55	41	113715	21.353 ug/l	97
36) 1,2-Dichloroethane	7.54	62	267446	20.492 ug/l	98
37) Trichloroethene	8.27	130	231804	19.967 ug/l	97
38) Methylcyclohexane	8.53	83	312634	19.575 ug/l	99
39) 1,2-Dichloropropane	8.56	63	211647	20.098 ug/l	93
40) Dibromomethane	8.65	93	137751	20.319 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	8.85	83	269302	19.978	ug/l	99
42) Vinyl Acetate	5.26	43	2200518	100.458	ug/l	100
43) Ethyl Acetate	6.28	43	214453	22.068	ug/l #	85
44) Isopropyl Acetate	7.56	43	373812	21.186	ug/l	98
45) 1,4-Dioxane	8.64	88	68160	413.953	ug/l	98
46) Methyl methacrylate	8.64	41	161206	20.039	ug/l	95
47) n-amyl Acetate	11.59	43	244895	18.865	ug/l	100
48) t-1,3-Dichloropropene	9.86	75	287006	19.967	ug/l	100
49) cis-1,3-Dichloropropene	9.30	75	320363	19.661	ug/l	100
50) 1,1,2-Trichloroethane	10.04	97	197479	20.381	ug/l	98
51) Ethyl methacrylate	9.90	69	273591	20.009	ug/l	99
52) 1,3-Dichloropropane	10.19	76	322948	19.996	ug/l	99
53) Dibromochloromethane	10.39	129	220820	20.225	ug/l	99
54) 1,2-Dibromoethane	10.50	107	208680	20.632	ug/l	98
55) 2-Chloroethyl vinyl ether	9.15	63	343922	89.081	ug/l	99
56) Bromoform	11.64	173	162778	20.176	ug/l	99
58) 4-Methyl-2-Pentanone	9.45	43	1023337	102.907	ug/l	99
59) 2-Hexanone	10.24	43	714286	99.908	ug/l	99
61) Tetrachloroethene	10.11	164	241092	20.292	ug/l	97
62) Toluene	9.63	91	889774	20.194	ug/l	99
64) Chlorobenzene	10.93	112	537273	19.825	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.01	131	211282	20.330	ug/l	98
66) Ethyl Benzene	11.01	91	933935	19.774	ug/l	99
67) m/p-Xylenes	11.13	106	702354	39.433	ug/l	99
68) o-Xylene	11.46	106	344653	19.931	ug/l	99
69) Styrene	11.47	104	535000	19.294	ug/l	100
70) Isopropylbenzene	11.77	105	919677	19.754	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.02	83	255527	20.040	ug/l	100
72) 1,2,3-Trichloropropane	12.08	75	236869m	21.225	ug/l	
73) Bromobenzene	12.05	156	239895	19.871	ug/l	94
74) n-propylbenzene	12.11	91	922165	18.868	ug/l	100
75) 2-Chlorotoluene	12.20	91	602087	19.917	ug/l	99
76) 1,3,5-Trimethylbenzene	12.26	105	759525	19.375	ug/l	87
77) t-1,4-Dichloro-2-butene	11.82	75	71069	18.923	ug/l	97
78) 4-Chlorotoluene	12.30	91	527870	18.801	ug/l	100
79) tert-butylbenzene	12.52	119	681355	19.720	ug/l	99
80) 1,2,4-Trimethylbenzene	12.57	105	697231	18.860	ug/l	99
81) sec-Butylbenzene	12.70	105	821140	18.849	ug/l	99
82) p-Isopropyltoluene	12.82	119	706514	18.213	ug/l	100
83) 1,3-Dichlorobenzene	12.81	146	332163	18.070	ug/l	99
84) 1,4-Dichlorobenzene	12.90	146	302957	17.717	ug/l	99
85) n-Butylbenzene	13.15	91	481754	17.176	ug/l	99
86) Hexachloroethane	13.41	117	132799	18.827	ug/l	99
87) 1,2-Dichlorobenzene	13.19	146	334964	18.375	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	13.81	75	33316	18.622	ug/l	96
89) 1,2,4-Trichlorobenzene	14.45	180	92992	17.529	ug/l	99
90) Hexachlorobutadiene	14.55	225	149928	19.077	ug/l	99
91) Naphthalene	14.67	128	168374	12.168	ug/l	99
92) 1,2,3-Trichlorobenzene	14.83	180	98571	18.467	ug/l	97

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

