

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
 Data File : VN063906.D
 Acq On : 6 Oct 2020 20:19
 Operator : JC/MD
 Sample : VN1006WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1006WBS03

Manual Integrations
 APPROVED

MMDadoda
 10/7/2020 12:11:52 PM

Quant Time: Oct 07 05:37:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 06 16:42:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	49453	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	261754	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	248740	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	137758	31.02	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.40%
60) 4-Bromofluorobenzene	12.38	95	123442	29.02	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.73%
63) Toluene-d8	10.06	98	339699	30.13	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.43%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	63700	19.031	ug/l 100
3) Chloromethane	2.04	50	65469	18.901	ug/l 99
4) Vinyl Chloride	2.17	62	62150	18.037	ug/l 97
5) Bromomethane	2.54	94	24039	10.839	ug/l 94
6) Chloroethane	2.68	64	40005	18.506	ug/l 96
7) Trichlorofluoromethane	2.99	101	102542	18.851	ug/l 98
8) Diethyl Ether	3.38	74	31966	18.149	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	3.72	101	52019	18.404	ug/l 93
10) 1,1-Dichloroethene	3.70	96	48650	18.333	ug/l 82
11) Methyl Iodide	3.92	142	37794	11.162	ug/l 89
12) Methyl Acetate	4.28	43	57780	17.692	ug/l 95
13) Acrolein	3.57	56	30258	95.183	ug/l 98
14) Acrylonitrile	4.94	53	112848	84.040	ug/l 97
15) Acetone	3.78	58	33048	85.023	ug/l # 54
16) Carbon Disulfide	4.02	76	142769	18.142	ug/l 99
17) Allyl chloride	4.28	41	93043	18.838	ug/l 88
18) Methylene Chloride	4.51	84	61810	19.432	ug/l 89
19) trans-1,2-Dichloroethene	4.99	96	55952	18.667	ug/l 96
20) Diisopropyl ether	5.90	45	181411	18.271	ug/l 90
21) 1,1-Dichloroethane	5.80	63	110804	18.434	ug/l 100
22) cis-1,2-Dichloroethene	6.78	96	63551	18.676	ug/l 93
23) tert-Butyl Alcohol	4.73	59	37573	65.232	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	161592m	18.151	ug/l
25) Chloroform	7.33	83	117884	18.704	ug/l 95
26) Cyclohexane	7.61	56	73945	17.079	ug/l # 100
29) 1,1-Dichloropropene	7.75	75	81136	17.700	ug/l 97
30) 2-Butanone	6.79	43	173731	77.273	ug/l 96
31) 2,2-Dichloropropane	6.78	77	93379	17.046	ug/l 96
32) 1,1,1-Trichloroethane	7.53	97	106167	18.155	ug/l 99
33) Carbon Tetrachloride	7.73	117	89604	17.489	ug/l 98
34) Benzene	8.00	78	233140	17.889	ug/l 95
35) Methacrylonitrile	7.12	41	34686	16.232	ug/l 91
36) 1,2-Dichloroethane	8.09	62	101907	17.797	ug/l 95
37) Trichloroethene	8.80	130	59519	17.430	ug/l 91
38) Methylcyclohexane	9.05	83	64207	16.589	ug/l 97
39) 1,2-Dichloropropane	9.08	63	65045	18.368	ug/l 97
40) Dibromomethane	9.18	93	44389	17.948	ug/l 91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	91801	17.859	ug/l	96
42) Vinyl Acetate	5.85	43	816404	87.495	ug/l	98
43) Ethyl Acetate	6.88	43	82517	17.139	ug/l	95
45) 1,4-Dioxane	9.17	88	13881	271.341	ug/l #	95
46) Methyl methacrylate	9.17	41	63786	16.068	ug/l	81
47) n-amyl Acetate	12.05	43	108146	15.244	ug/l	96
48) t-1,3-Dichloropropene	10.35	75	94384	16.992	ug/l	96
49) cis-1,3-Dichloropropene	9.81	75	100629	17.470	ug/l #	82
50) 1,1,2-Trichloroethane	10.53	97	60344	18.272	ug/l	96
51) Ethyl methacrylate	10.40	69	79752	16.649	ug/l	80
52) 1,3-Dichloropropane	10.68	76	101145	17.879	ug/l	98
53) Dibromochloromethane	10.87	129	64823	17.054	ug/l	97
54) 1,2-Dibromoethane	10.98	107	60083	17.352	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	217154	84.950	ug/l	98
56) Bromoform	12.10	173	43863	16.654	ug/l	96
58) 4-Methyl-2-Pentanone	9.95	43	397440	82.330	ug/l	94
59) 2-Hexanone	10.72	43	279990	77.868	ug/l	94
61) Tetrachloroethene	10.60	164	54366	17.228	ug/l	94
62) Toluene	10.13	91	256940	17.986	ug/l	100
64) Chlorobenzene	11.41	112	156232	18.043	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	60232	17.786	ug/l	97
66) Ethyl Benzene	11.48	91	276113	17.601	ug/l	98
67) m/p-Xylenes	11.60	106	204730	35.094	ug/l	95
68) o-Xylene	11.92	106	97217	17.491	ug/l	96
69) Styrene	11.94	104	164519	17.347	ug/l	97
70) Isopropylbenzene	12.23	105	261171	17.684	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.48	83	81417	17.440	ug/l	97
72) 1,2,3-Trichloropropane	12.53	75	76352m	16.039	ug/l	
73) Bromobenzene	12.50	156	64991	17.362	ug/l	90
74) n-propylbenzene	12.57	91	297804	17.249	ug/l	100
75) 2-Chlorotoluene	12.65	91	189215	17.967	ug/l	95
76) 1,3,5-Trimethylbenzene	12.71	105	215957	17.340	ug/l	98
77) t-1,4-Dichloro-2-butene	12.28	75	24374	14.395	ug/l	77
78) 4-Chlorotoluene	12.75	91	192194	17.234	ug/l	99
79) tert-butylbenzene	12.97	119	170372	17.075	ug/l	95
80) 1,2,4-Trimethylbenzene	13.01	105	216640	17.352	ug/l	98
81) sec-Butylbenzene	13.15	105	226251	17.252	ug/l	99
82) p-Isopropyltoluene	13.26	119	199636	16.842	ug/l	96
83) 1,3-Dichlorobenzene	13.26	146	113496	17.048	ug/l	97
84) 1,4-Dichlorobenzene	13.34	146	111423	16.848	ug/l	96
85) n-Butylbenzene	13.59	91	168578	16.255	ug/l	98
86) Hexachloroethane	13.85	117	34425	16.851	ug/l	81
87) 1,2-Dichlorobenzene	13.63	146	112019	17.148	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.24	75	18001	16.137	ug/l	86
89) 1,2,4-Trichlorobenzene	14.88	180	53667	16.162	ug/l	95
90) Hexachlorobutadiene	14.98	225	31353	17.827	ug/l	96
91) Naphthalene	15.10	128	150030	14.770	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	51992	16.075	ug/l	95

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

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