

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
 Data File : VN064195.D
 Acq On : 20 Oct 2020 13:35
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102020

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 2:28:45 PM

Quant Time: Oct 21 06:00:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 20 11:51:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	54874	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	313545	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	281112	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	136951	30.48	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.60%
60) 4-Bromofluorobenzene	12.38	95	147444	29.27	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.57%
63) Toluene-d8	10.06	98	371584	29.20	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.33%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	88410	23.483	ug/l 95
3) Chloromethane	2.04	50	85841	22.250	ug/l 99
4) Vinyl Chloride	2.16	62	81594	21.496	ug/l 96
5) Bromomethane	2.54	94	51080	22.494	ug/l 96
6) Chloroethane	2.68	64	46539	21.051	ug/l 99
7) Trichlorofluoromethane	2.99	101	137965	22.642	ug/l 98
8) Diethyl Ether	3.38	74	42780	20.679	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	68337	21.250	ug/l 96
10) 1,1-Dichloroethene	3.70	96	66443	21.220	ug/l 96
11) Methyl Iodide	3.91	142	93143	20.638	ug/l 99
12) Methyl Acetate	4.27	43	70888	21.480	ug/l 96
13) Acrolein	3.57	56	34481	95.554	ug/l # 1
14) Acrylonitrile	4.93	53	137653	103.505	ug/l 98
15) Acetone	3.78	58	37415	104.199	ug/l 92
16) Carbon Disulfide	4.01	76	189674	21.182	ug/l 100
17) Allyl chloride	4.27	41	119673	20.555	ug/l 97
18) Methylene Chloride	4.50	84	73640	20.563	ug/l 97
19) trans-1,2-Dichloroethene	4.99	96	71244	21.092	ug/l 95
20) Diisopropyl ether	5.90	45	224456	20.861	ug/l 99
21) 1,1-Dichloroethane	5.79	63	136931	20.846	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	83303	21.097	ug/l 99
23) tert-Butyl Alcohol	4.72	59	63530	103.282	ug/l # 100
24) Methyl tert-Butyl Ether	4.98	73	217927	21.063	ug/l 98
25) Chloroform	7.33	83	142038	20.811	ug/l 93
26) Cyclohexane	7.61	56	109972	21.115	ug/l # 96
29) 1,1-Dichloropropene	7.75	75	108040	20.748	ug/l 98
30) 2-Butanone	6.78	43	218747	101.872	ug/l 98
31) 2,2-Dichloropropane	6.77	77	138052	20.883	ug/l 99
32) 1,1,1-Trichloroethane	7.53	97	138744	20.912	ug/l 98
33) Carbon Tetrachloride	7.73	117	124723	20.620	ug/l 98
34) Benzene	8.00	78	299081	20.626	ug/l 98
35) Methacrylonitrile	7.12	41	52565	22.317	ug/l 91
36) 1,2-Dichloroethane	8.08	62	122188	20.835	ug/l 99
37) Trichloroethene	8.80	130	83464	20.906	ug/l 100
38) Methylcyclohexane	9.05	83	104036	20.890	ug/l 100
39) 1,2-Dichloropropane	9.08	63	81002	20.933	ug/l 100
40) Dibromomethane	9.17	93	52981	19.678	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	120990	20.764	ug/l	98
42) Vinyl Acetate	5.84	43	1047758	102.781	ug/l	99
43) Ethyl Acetate	6.87	43	84636	18.047	ug/l #	84
44) Isopropyl Acetate	8.12	43	186581	20.723	ug/l #	88
45) 1,4-Dioxane	9.17	88	21022m	399.219	ug/l	
46) Methyl methacrylate	9.16	41	86455	20.237	ug/l	100
47) n-amyl Acetate	12.04	43	156852	19.638	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	135324	20.592	ug/l	99
49) cis-1,3-Dichloropropene	9.81	75	138409	20.385	ug/l	96
50) 1,1,2-Trichloroethane	10.53	97	72259	20.033	ug/l	97
51) Ethyl methacrylate	10.40	69	114633	20.098	ug/l	99
52) 1,3-Dichloropropane	10.68	76	125808	20.231	ug/l	99
53) Dibromochloromethane	10.87	129	90580	19.952	ug/l	99
54) 1,2-Dibromoethane	10.98	107	78101	20.370	ug/l	97
55) 2-Chloroethyl vinyl ether	9.66	63	263216	93.897	ug/l	99
56) Bromoform	12.10	173	61917	19.584	ug/l	98
58) 4-Methyl-2-Pentanone	9.95	43	476609	100.052	ug/l	100
59) 2-Hexanone	10.72	43	357068	100.967	ug/l	100
61) Tetrachloroethene	10.60	164	79603	21.006	ug/l	96
62) Toluene	10.12	91	329870	20.526	ug/l	99
64) Chlorobenzene	11.41	112	209980	20.981	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	82236	20.972	ug/l	97
66) Ethyl Benzene	11.48	91	380432	20.590	ug/l	100
67) m/p-Xylenes	11.59	106	278876	40.584	ug/l	99
68) o-Xylene	11.92	106	138739	20.806	ug/l	92
69) Styrene	11.94	104	226902	20.113	ug/l	98
70) Isopropylbenzene	12.22	105	360726	20.483	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	95794	19.850	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	92405m	18.349	ug/l	
73) Bromobenzene	12.50	156	85400	20.110	ug/l	95
74) n-propylbenzene	12.56	91	412924	20.544	ug/l	100
75) 2-Chlorotoluene	12.65	91	249630	20.063	ug/l	96
76) 1,3,5-Trimethylbenzene	12.71	105	305174	20.365	ug/l	100
77) t-1,4-Dichloro-2-butene	12.27	75	38046	19.323	ug/l	93
78) 4-Chlorotoluene	12.75	91	264636	20.333	ug/l	99
79) tert-butylbenzene	12.97	119	250902	20.480	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	303225	19.933	ug/l	98
81) sec-Butylbenzene	13.14	105	327416	20.540	ug/l	99
82) p-Isopropyltoluene	13.26	119	302505	20.504	ug/l	99
83) 1,3-Dichlorobenzene	13.25	146	151001	19.837	ug/l	99
84) 1,4-Dichlorobenzene	13.33	146	153775	20.177	ug/l	97
85) n-Butylbenzene	13.59	91	272633	20.817	ug/l	99
86) Hexachloroethane	13.85	117	51875	20.424	ug/l	97
87) 1,2-Dichlorobenzene	13.63	146	148854	20.051	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.24	75	23508	19.233	ug/l	95
89) 1,2,4-Trichlorobenzene	14.88	180	88380	19.825	ug/l	96
90) Hexachlorobutadiene	14.98	225	49320	21.827	ug/l	97
91) Naphthalene	15.10	128	260687	19.292	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	85037	19.946	ug/l	99

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

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