

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102220\
 Data File : VN064252.D
 Acq On : 22 Oct 2020 14:35
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 3:41:05 PM

Quant Time: Oct 23 01:18:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 22 16:07:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	47097	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	275918	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	243442	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	129809	33.66	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	112.20%#
60) 4-Bromofluorobenzene	12.37	95	131181	30.07	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	100.23%
63) Toluene-d8	10.06	98	329367	29.88	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	76205	23.584	ug/l 95
3) Chloromethane	2.04	50	72670	21.946	ug/l 99
4) Vinyl Chloride	2.16	62	69853	21.442	ug/l 96
5) Bromomethane	2.53	94	47410	24.325	ug/l 90
6) Chloroethane	2.68	64	41195	21.711	ug/l 99
7) Trichlorofluoromethane	2.99	101	121155	23.166	ug/l 98
8) Diethyl Ether	3.37	74	38309	21.576	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	59810	21.669	ug/l 96
10) 1,1-Dichloroethene	3.70	96	54453	20.262	ug/l 88
11) Methyl Iodide	3.91	142	77713	20.062	ug/l 91
12) Methyl Acetate	4.27	43	68066	24.030	ug/l 96
13) Acrolein	3.57	56	37537	121.200	ug/l # 1
14) Acrylonitrile	4.93	53	125626	110.060	ug/l # 66
15) Acetone	3.78	58	36097	117.129	ug/l 91
16) Carbon Disulfide	4.01	76	159745	20.786	ug/l # 94
17) Allyl chloride	4.28	41	109733	21.960	ug/l 96
18) Methylene Chloride	4.50	84	65348	21.261	ug/l 90
19) trans-1,2-Dichloroethene	4.99	96	61457	21.199	ug/l 96
20) Diisopropyl ether	5.90	45	204146	22.106	ug/l 94
21) 1,1-Dichloroethane	5.80	63	123307m	21.871	ug/l
22) cis-1,2-Dichloroethene	6.78	96	72751	21.467	ug/l 97
23) tert-Butyl Alcohol	4.73	59	59964	113.582	ug/l # 100
24) Methyl tert-Butyl Ether	5.00	73	199551	22.471	ug/l # 77
25) Chloroform	7.33	83	133357	22.766	ug/l 95
26) Cyclohexane	7.61	56	89220	19.959	ug/l # 85
29) 1,1-Dichloropropene	7.75	75	95838	20.915	ug/l 99
30) 2-Butanone	6.78	43	202445	107.137	ug/l 99
31) 2,2-Dichloropropane	6.77	77	117204	20.147	ug/l 98
32) 1,1,1-Trichloroethane	7.52	97	125203	21.445	ug/l 98
33) Carbon Tetrachloride	7.73	117	110129	20.691	ug/l 97
34) Benzene	8.00	78	263794	20.673	ug/l 98
35) Methacrylonitrile	7.12	41	42906	20.701	ug/l 94
36) 1,2-Dichloroethane	8.08	62	114175	22.123	ug/l 97
37) Trichloroethene	8.80	130	72110	20.525	ug/l 97
38) Methylcyclohexane	9.05	83	83605	19.077	ug/l 98
39) 1,2-Dichloropropane	9.08	63	71244	20.922	ug/l 100
40) Dibromomethane	9.17	93	48738	20.571	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.37	83	106793	20.827	ug/l	100
42) Vinyl Acetate	5.84	43	936827	104.432	ug/l	99
43) Ethyl Acetate	6.88	43	85013	20.600	ug/l #	85
44) Isopropyl Acetate	8.13	43	165551	20.895	ug/l	99
45) 1,4-Dioxane	9.16	88	19841	428.175	ug/l	95
46) Methyl methacrylate	9.16	41	80885	21.515	ug/l	99
47) n-amyl Acetate	12.04	43	136277	19.389	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	120589	20.853	ug/l	96
49) cis-1,3-Dichloropropene	9.81	75	121180	20.281	ug/l	96
50) 1,1,2-Trichloroethane	10.53	97	65573	20.659	ug/l	96
51) Ethyl methacrylate	10.40	69	100967	20.116	ug/l	97
52) 1,3-Dichloropropane	10.68	76	115683	21.140	ug/l	98
53) Dibromochloromethane	10.87	129	82969	20.768	ug/l	99
54) 1,2-Dibromoethane	10.98	107	70118	20.782	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	222288	90.111	ug/l	98
56) Bromoform	12.10	173	54821	19.704	ug/l #	97
58) 4-Methyl-2-Pentanone	9.95	43	443583	107.528	ug/l	98
59) 2-Hexanone	10.72	43	323469	105.620	ug/l	99
61) Tetrachloroethene	10.60	164	70880	21.598	ug/l	96
62) Toluene	10.12	91	291826	20.968	ug/l	98
64) Chlorobenzene	11.41	112	179456	20.706	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	71719	21.120	ug/l	99
66) Ethyl Benzene	11.48	91	336374	21.023	ug/l	100
67) m/p-Xylenes	11.59	106	242648	40.776	ug/l	97
68) o-Xylene	11.92	106	120572	20.880	ug/l	97
69) Styrene	11.94	104	198902	20.359	ug/l	96
70) Isopropylbenzene	12.22	105	319892	20.975	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	85606	20.484	ug/l	96
72) 1,2,3-Trichloropropane	12.53	75	85829m	19.680	ug/l	
73) Bromobenzene	12.50	156	76954	20.925	ug/l	96
74) n-propylbenzene	12.56	91	361879	20.790	ug/l	100
75) 2-Chlorotoluene	12.65	91	227877	21.148	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	270672	20.857	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	33526	19.662	ug/l	93
78) 4-Chlorotoluene	12.75	91	236828	21.012	ug/l	99
79) tert-butylbenzene	12.97	119	223716	21.086	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	274374	20.827	ug/l	99
81) sec-Butylbenzene	13.14	105	277947	20.135	ug/l	100
82) p-Isopropyltoluene	13.26	119	263037	20.588	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	134753	20.441	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	134075	20.315	ug/l	97
85) n-Butylbenzene	13.59	91	222989	19.661	ug/l	99
86) Hexachloroethane	13.85	117	44431	20.201	ug/l	95
87) 1,2-Dichlorobenzene	13.62	146	131824	20.505	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	21081	19.916	ug/l	95
89) 1,2,4-Trichlorobenzene	14.88	180	73377	19.007	ug/l	92
90) Hexachlorobutadiene	14.98	225	37675	19.253	ug/l	100
91) Naphthalene	15.10	128	226425	19.349	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	72052	19.515	ug/l	99

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

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