

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102620\
 Data File : VN064307.D
 Acq On : 26 Oct 2020 17:05
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 10/27/2020 2:21:04 PM

Quant Time: Oct 26 17:32:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 16:34:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	50378	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	285495	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	262557	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	134549	30.39	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.30%
60) 4-Bromofluorobenzene	12.38	95	140573	30.09	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	100.30%
63) Toluene-d8	10.06	98	351360	29.99	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	435895	130.875 ug/l	92
3) Chloromethane	2.04	50	404258	118.007 ug/l	99
4) Vinyl Chloride	2.16	62	387266	112.211 ug/l	100
5) Bromomethane	2.51	94	235124	104.981 ug/l	96
6) Chloroethane	2.66	64	215570	107.629 ug/l	96
7) Trichlorofluoromethane	2.98	101	590448	102.350 ug/l	92
8) Diethyl Ether	3.37	74	188948	99.813 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.71	101	300133	105.564 ug/l	99
10) 1,1-Dichloroethene	3.69	96	292694	106.824 ug/l	99
11) Methyl Iodide	3.91	142	438798	111.097 ug/l	96
12) Methyl Acetate	4.28	43	349228	107.526 ug/l	94
13) Acrolein	3.56	56	113414	441.194 ug/l	98
14) Acrylonitrile	4.93	53	797720	618.530 ug/l	99
15) Acetone	3.78	58	199953	506.944 ug/l	93
16) Carbon Disulfide	4.01	76	859156	107.897 ug/l	99
17) Allyl chloride	4.27	41	534318	101.577 ug/l	99
18) Methylene Chloride	4.50	84	328303	101.717 ug/l	95
19) trans-1,2-Dichloroethene	4.98	96	320289	104.292 ug/l	94
20) Diisopropyl ether	5.90	45	1147820	113.223 ug/l	91
21) 1,1-Dichloroethane	5.80	63	620269	103.897 ug/l	98
22) cis-1,2-Dichloroethene	6.78	96	365188	102.485 ug/l	99
23) tert-Butyl Alcohol	4.73	59	353456	597.667 ug/l	# 100
24) Methyl tert-Butyl Ether	4.99	73	1099139	112.633 ug/l	# 75
25) Chloroform	7.33	83	648185	100.535 ug/l	93
26) Cyclohexane	7.61	56	527347	113.304 ug/l	# 99
29) 1,1-Dichloropropene	7.75	75	488517	101.179 ug/l	98
30) 2-Butanone	6.78	43	1169386	541.927 ug/l	98
31) 2,2-Dichloropropane	6.78	77	590849	98.460 ug/l	# 63
32) 1,1,1-Trichloroethane	7.53	97	629053	101.894 ug/l	99
33) Carbon Tetrachloride	7.73	117	574323	103.681 ug/l	97
34) Benzene	8.00	78	1351463	102.274 ug/l	# 86
35) Methacrylonitrile	7.12	41	233138	107.389 ug/l	97
36) 1,2-Dichloroethane	8.08	62	578661	101.218 ug/l	# 92
37) Trichloroethene	8.80	130	369084	102.350 ug/l	93
38) Methylcyclohexane	9.05	83	486063	109.534 ug/l	100
39) 1,2-Dichloropropane	9.08	63	358985	100.824 ug/l	95
40) Dibromomethane	9.17	93	251991	102.284 ug/l	98

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

41) Bromodichloromethane	9.37	83	544295	102.040	ug/l	99
42) Vinyl Acetate	5.84	43	5127398	540.222	ug/l	100
43) Ethyl Acetate	6.88	43	515785m	112.882	ug/l	
44) Isopropyl Acetate	8.13	43	876497	107.347	ug/l #	87
45) 1,4-Dioxane	9.16	88	137167	2605.842	ug/l	99
46) Methyl methacrylate	9.16	41	435637	109.760	ug/l	98
47) n-amyl Acetate	12.04	43	785931	111.140	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	622686	103.879	ug/l	96
49) cis-1,3-Dichloropropene	9.81	75	631116	101.806	ug/l	99
50) 1,1,2-Trichloroethane	10.53	97	338131	102.676	ug/l	93
51) Ethyl methacrylate	10.40	69	543818	107.284	ug/l	96
52) 1,3-Dichloropropane	10.68	76	597327	103.231	ug/l	97
53) Dibromochloromethane	10.87	129	425234	104.198	ug/l	100
54) 1,2-Dibromoethane	10.98	107	368284	104.590	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	1395321	528.748	ug/l	99
56) Bromoform	12.10	173	314032	107.723	ug/l #	96
58) 4-Methyl-2-Pentanone	9.95	43	2536143	560.416	ug/l	100
59) 2-Hexanone	10.72	43	1901311	558.161	ug/l	99
61) Tetrachloroethene	10.60	164	353159	99.248	ug/l	99
62) Toluene	10.13	91	1491535	101.585	ug/l	99
64) Chlorobenzene	11.41	112	935455	103.201	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.48	131	371192	102.014	ug/l	95
66) Ethyl Benzene	11.48	91	1717788	101.629	ug/l	96
67) m/p-Xylenes	11.59	106	1285453	206.706	ug/l	93
68) o-Xylene	11.92	106	624195	103.283	ug/l	98
69) Styrene	11.94	104	1069126	105.906	ug/l	97
70) Isopropylbenzene	12.22	105	1656697	103.269	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.48	83	471262	107.222	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	473555m	102.435	ug/l	
73) Bromobenzene	12.50	156	409678	104.816	ug/l	98
74) n-propylbenzene	12.57	91	1902889	103.875	ug/l	99
75) 2-Chlorotoluene	12.65	91	1171436	102.588	ug/l	97
76) 1,3,5-Trimethylbenzene	12.71	105	1400047	103.042	ug/l	96
77) t-1,4-Dichloro-2-butene	12.27	75	194984	110.231	ug/l	98
78) 4-Chlorotoluene	12.75	91	1231808	104.029	ug/l	100
79) tert-butylbenzene	12.97	119	1138346	102.932	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	1418360	102.767	ug/l	100
81) sec-Butylbenzene	13.14	105	1476540	102.966	ug/l	99
82) p-Isopropyltoluene	13.26	119	1376138	104.563	ug/l	97
83) 1,3-Dichlorobenzene	13.26	146	723754	105.675	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	725554	104.345	ug/l	98
85) n-Butylbenzene	13.59	91	1182841	102.818	ug/l	98
86) Hexachloroethane	13.85	117	262400	115.162	ug/l	100
87) 1,2-Dichlorobenzene	13.63	146	707476	105.443	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.24	75	123254	114.682	ug/l	95
89) 1,2,4-Trichlorobenzene	14.88	180	410507	108.293	ug/l	99
90) Hexachlorobutadiene	14.98	225	203245	98.390	ug/l	95
91) Naphthalene	15.10	128	1264679	112.561	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	393503	108.099	ug/l	99

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

