

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081420\
 Data File : VN062930.D
 Acq On : 13 Aug 2020 23:45
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 9:20:10 AM

Quant Time: Aug 14 05:54:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 14 05:30:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	32549	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	174306	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	164558	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	84852	30.03	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.10%
60) 4-Bromofluorobenzene	12.38	95	86858	31.07	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.57%
63) Toluene-d8	10.06	98	230161	29.79	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	291711	136.394	ug/l 96
3) Chloromethane	2.03	50	295035	110.123	ug/l 97
4) Vinyl Chloride	2.16	62	372710	155.605	ug/l 99
5) Bromomethane	2.50	94	200836	141.441	ug/l 99
6) Chloroethane	2.65	64	212854	151.170	ug/l 98
7) Trichlorofluoromethane	2.97	101	442946	131.760	ug/l 98
8) Diethyl Ether	3.37	74	103853	79.694	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.71	101	146641	81.811	ug/l 97
10) 1,1-Dichloroethene	3.69	96	136132	75.928	ug/l 92
11) Methyl Iodide	3.91	142	206468	92.003	ug/l 95
12) Methyl Acetate	4.28	43	230324	93.564	ug/l 97
13) Acrolein	3.56	56	142350	407.119	ug/l 97
14) Acrylonitrile	4.93	53	539438	478.302	ug/l 96
15) Acetone	3.77	58	128020	390.023	ug/l 91
16) Carbon Disulfide	4.00	76	396839	69.672	ug/l 99
17) Allyl chloride	4.27	41	270720	74.445	ug/l 93
18) Methylene Chloride	4.50	84	185697	83.886	ug/l 94
19) trans-1,2-Dichloroethene	4.99	96	159819	80.674	ug/l 94
20) Diisopropyl ether	5.90	45	638176	82.460	ug/l 98
21) 1,1-Dichloroethane	5.80	63	344497	82.517	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	197397	87.213	ug/l # 90
23) tert-Butyl Alcohol	4.74	59	213443	539.884	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	662086	97.318	ug/l 97
25) Chloroform	7.33	83	366995	93.198	ug/l 100
26) Cyclohexane	7.61	56	323801	89.217	ug/l # 94
29) 1,1-Dichloropropene	7.75	75	253158	87.909	ug/l 99
30) 2-Butanone	6.79	43	702339	471.264	ug/l 99
31) 2,2-Dichloropropane	6.77	77	237605	74.797	ug/l 96
32) 1,1,1-Trichloroethane	7.53	97	327275	101.017	ug/l 97
33) Carbon Tetrachloride	7.73	117	284132	100.486	ug/l 97
34) Benzene	8.00	78	751836	88.027	ug/l # 87
35) Methacrylonitrile	7.12	41	127436	98.506	ug/l 93
36) 1,2-Dichloroethane	8.09	62	306617	95.877	ug/l 100
37) Trichloroethene	8.80	130	183856	93.821	ug/l 98
38) Methylcyclohexane	9.05	83	322499	98.902	ug/l 99
39) 1,2-Dichloropropane	9.09	63	213570	88.433	ug/l 98
40) Dibromomethane	9.18	93	137191	95.416	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	306251	99.161	ug/l	98
42) Vinyl Acetate	5.84	43	2304369	382.372	ug/l	99
43) Ethyl Acetate	6.88	43	260318	86.278	ug/l #	86
44) Isopropyl Acetate	8.13	43	443043	87.984	ug/l	99
45) 1,4-Dioxane	9.17	88	85089	2313.405	ug/l	97
46) Methyl methacrylate	9.17	41	220230	91.468	ug/l	98
47) n-amyl Acetate	12.05	43	418998	97.341	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	331014	93.981	ug/l	96
49) cis-1,3-Dichloropropene	9.81	75	339201	90.743	ug/l	98
50) 1,1,2-Trichloroethane	10.54	97	202135	99.952	ug/l	99
51) Ethyl methacrylate	10.40	69	336290	101.415	ug/l	97
52) 1,3-Dichloropropane	10.68	76	348512	94.994	ug/l	98
53) Dibromochloromethane	10.87	129	238673	106.166	ug/l	99
54) 1,2-Dibromoethane	10.98	107	205897	99.420	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	434733	433.129	ug/l	99
56) Bromoform	12.10	173	175406	113.382	ug/l	99
58) 4-Methyl-2-Pentanone	9.95	43	1497300	484.473	ug/l	99
59) 2-Hexanone	10.72	43	1111876	491.464	ug/l	97
61) Tetrachloroethene	10.60	164	158384	94.870	ug/l	98
62) Toluene	10.12	91	841040	92.382	ug/l	99
64) Chlorobenzene	11.41	112	529026	97.186	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.48	131	213385	103.319	ug/l	99
66) Ethyl Benzene	11.48	91	980453	97.275	ug/l	99
67) m/p-Xylenes	11.60	106	727440	196.274	ug/l	100
68) o-Xylene	11.92	106	354697	100.523	ug/l	98
69) Styrene	11.94	104	632204	104.000	ug/l	99
70) Isopropylbenzene	12.22	105	976141	101.723	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	312288	100.260	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	295077m	95.887	ug/l	
73) Bromobenzene	12.50	156	232847	103.415	ug/l	98
74) n-propylbenzene	12.57	91	1158750	102.132	ug/l	99
75) 2-Chlorotoluene	12.65	91	707547	102.497	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	889010	107.667	ug/l	100
77) t-1,4-Dichloro-2-butene	12.27	75	105836	96.190	ug/l	94
78) 4-Chlorotoluene	12.75	91	733787	104.481	ug/l	99
79) tert-butylbenzene	12.97	119	736077	108.040	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	887686	109.858	ug/l	99
81) sec-Butylbenzene	13.15	105	980494	107.457	ug/l	98
82) p-Isopropyltoluene	13.26	119	897675	111.261	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	428945	109.513	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	452026	117.204	ug/l	96
85) n-Butylbenzene	13.59	91	985148	144.360	ug/l	96
86) Hexachloroethane	13.85	117	222606	140.711	ug/l	95
87) 1,2-Dichlorobenzene	13.63	146	531079	140.712	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.25	75	94493	159.738	ug/l	98
89) 1,2,4-Trichlorobenzene	14.88	180	278254	151.784	ug/l	99
90) Hexachlorobutadiene	14.98	225	154849	144.857	ug/l	97
91) Naphthalene	15.10	128	783975	159.767	ug/l	97
92) 1,2,3-Trichlorobenzene	15.28	180	268993	146.120	ug/l	97

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

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