

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061020\
 Data File : VN061733.D
 Acq On : 10 Jun 2020 12:04
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 6/11/2020 12:44:34 PM

Quant Time: Jun 10 12:29:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N061020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 10 11:59:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	66676	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	383216	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	362235	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	128603	23.05	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	76.83%
60) 4-Bromofluorobenzene	12.38	95	165005	27.34	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.13%
63) Toluene-d8	10.06	98	457794	27.70	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	92.33%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	443027	148.510	ug/l 99
3) Chloromethane	2.03	50	512186	101.190	ug/l 99
4) Vinyl Chloride	2.16	62	732793	107.821	ug/l 99
5) Bromomethane	2.51	94	461875m	128.071	ug/l
6) Chloroethane	2.66	64	503256	109.418	ug/l 100
7) Trichlorofluoromethane	2.98	101	1005149	130.265	ug/l 98
8) Diethyl Ether	3.37	74	343715	142.417	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.71	101	524785	157.344	ug/l 97
10) 1,1-Dichloroethene	3.69	96	545578	156.591	ug/l 96
11) Methyl Iodide	3.91	142	789256	198.468	ug/l 97
12) Methyl Acetate	4.27	43	441270	111.540	ug/l 99
13) Acrolein	3.56	56	261270	399.897	ug/l 97
14) Acrylonitrile	4.93	53	1120010	598.837	ug/l # 92
15) Acetone	3.77	58	296966	635.548	ug/l 93
16) Carbon Disulfide	4.01	76	1111158	118.649	ug/l 98
17) Allyl chloride	4.27	41	579321	89.459	ug/l 97
18) Methylene Chloride	4.50	84	602777	143.733	ug/l 96
19) trans-1,2-Dichloroethene	4.99	96	616659	149.754	ug/l 97
20) Diisopropyl ether	5.90	45	1476105	98.209	ug/l 95
21) 1,1-Dichloroethane	5.80	63	963280	118.924	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	705596	147.794	ug/l 98
23) tert-Butyl Alcohol	4.74	59	438055	717.605	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	1734938	128.231	ug/l # 77
25) Chloroform	7.33	83	1080784	134.733	ug/l 98
26) Cyclohexane	7.61	56	797045	105.873	ug/l # 99
29) 1,1-Dichloropropene	7.75	75	798708	125.899	ug/l 100
30) 2-Butanone	6.78	43	1342632	517.037	ug/l 99
31) 2,2-Dichloropropane	6.77	77	888260	119.620	ug/l 100
32) 1,1,1-Trichloroethane	7.53	97	975036	134.286	ug/l 99
33) Carbon Tetrachloride	7.73	117	835498	148.449	ug/l 96
34) Benzene	8.00	78	2430916	133.606	ug/l # 90
35) Methacrylonitrile	7.13	41	242418	97.187	ug/l # 80
36) 1,2-Dichloroethane	8.08	62	775251	114.416	ug/l 98
37) Trichloroethene	8.80	130	764607	163.135	ug/l 100
38) Methylcyclohexane	9.05	83	927228	122.884	ug/l 99
39) 1,2-Dichloropropane	9.08	63	574974	118.148	ug/l 98
40) Dibromomethane	9.17	93	434162	138.800	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	881928	132.049	ug/l	98
42) Vinyl Acetate	5.84	43	5570724	457.482	ug/l	99
43) Ethyl Acetate	6.88	43	571128	106.396	ug/l	99
44) Isopropyl Acetate	8.13	43	1024349	96.786	ug/l	100
45) 1,4-Dioxane	9.17	88	211414	4298.764	ug/l	96
46) Methyl methacrylate	9.17	41	454736	92.492	ug/l	99
47) n-amyl Acetate	12.05	43	931840	99.691	ug/l	95
48) t-1,3-Dichloropropene	10.35	75	967434	125.657	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	1030703	125.211	ug/l	99
50) 1,1,2-Trichloroethane	10.53	97	623302	143.515	ug/l	98
51) Ethyl methacrylate	10.40	69	901773	126.785	ug/l	98
52) 1,3-Dichloropropane	10.68	76	1009242	131.221	ug/l	99
53) Dibromochloromethane	10.88	129	758223	157.324	ug/l	100
54) 1,2-Dibromoethane	10.98	107	672205	149.618	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	1816338	591.332	ug/l	100
56) Bromoform	12.10	173	560180	181.816	ug/l	98
58) 4-Methyl-2-Pentanone	9.95	43	2890743	484.954	ug/l	99
59) 2-Hexanone	10.72	43	2124480	503.049	ug/l	99
61) Tetrachloroethene	10.60	164	857126	182.886	ug/l	95
62) Toluene	10.12	91	2699206	132.866	ug/l	96
64) Chlorobenzene	11.41	112	1756835	144.285	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	675582	150.975	ug/l	99
66) Ethyl Benzene	11.48	91	2999044	129.983	ug/l	95
67) m/p-Xylenes	11.60	106	2447101	283.281	ug/l	90
68) o-Xylene	11.92	106	1176081	143.130	ug/l	99
69) Styrene	11.94	104	2042209	144.790	ug/l	100
70) Isopropylbenzene	12.22	105	3010340	135.572	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.48	83	759522	125.305	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	752710m	131.445	ug/l	
73) Bromobenzene	12.50	156	829944	171.639	ug/l	98
74) n-propylbenzene	12.57	91	3337371	127.337	ug/l	97
75) 2-Chlorotoluene	12.65	91	2017795	134.311	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	2548501	136.981	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	306469	129.593	ug/l	94
78) 4-Chlorotoluene	12.75	91	2134064	135.358	ug/l	99
79) tert-butylbenzene	12.97	119	2201960	142.131	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	2558128	137.146	ug/l	99
81) sec-Butylbenzene	13.15	105	2821834	133.122	ug/l	98
82) p-Isopropyltoluene	13.26	119	2656094	138.502	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	1462961	163.717	ug/l	100
84) 1,4-Dichlorobenzene	13.34	146	1461738	166.197	ug/l	98
85) n-Butylbenzene	13.59	91	2230247	128.076	ug/l	98
86) Hexachloroethane	13.85	117	375794	142.007	ug/l	93
87) 1,2-Dichlorobenzene	13.63	146	1356609	160.304	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.25	75	152465	121.632	ug/l	95
89) 1,2,4-Trichlorobenzene	14.88	180	886157	183.842	ug/l	99
90) Hexachlorobutadiene	14.98	225	354281	175.499	ug/l	98
91) Naphthalene	15.10	128	2480926	167.010	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	854127	180.942	ug/l	99

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

