

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071320\
 Data File : VN062511.D
 Acq On : 13 Jul 2020 11:12
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 7/14/2020 11:36:46 AM

Quant Time: Jul 14 00:49:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jul 13 10:35:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	41688	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	235467	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	219580	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	104719	37.33	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	124.43%
60) 4-Bromofluorobenzene	12.38	95	117729	35.33	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	117.77%
63) Toluene-d8	10.06	98	308193	32.27	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	107.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	382816	203.344	ug/l 99
3) Chloromethane	2.04	50	557663	237.523	ug/l 99
4) Vinyl Chloride	2.16	62	471628	160.877	ug/l 97
5) Bromomethane	2.51	94	229849m	127.790	ug/l
6) Chloroethane	2.66	64	232635	120.276	ug/l 99
7) Trichlorofluoromethane	2.98	101	513979	127.058	ug/l 99
8) Diethyl Ether	3.37	74	264195	187.013	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	353739	160.324	ug/l 100
10) 1,1-Dichloroethene	3.69	96	362505	165.647	ug/l 98
11) Methyl Iodide	3.91	142	511634	176.754	ug/l 98
12) Methyl Acetate	4.27	43	488346	243.831	ug/l 99
13) Acrolein	3.56	56	409518	1445.561	ug/l 98
14) Acrylonitrile	4.93	53	1161884	1159.767	ug/l 99
15) Acetone	3.77	58	309280	976.214	ug/l 99
16) Carbon Disulfide	4.01	76	1197324	243.281	ug/l 100
17) Allyl chloride	4.27	41	822197	275.204	ug/l 99
18) Methylene Chloride	4.50	84	440893	171.843	ug/l 98
19) trans-1,2-Dichloroethene	4.99	96	396210	163.149	ug/l 97
20) Diisopropyl ether	5.90	45	1571780	231.433	ug/l 95
21) 1,1-Dichloroethane	5.80	63	841327	199.863	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	458332	161.020	ug/l 100
23) tert-Butyl Alcohol	4.74	59	384964	1021.213	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	1348740	185.803	ug/l 99
25) Chloroform	7.33	83	764195	168.258	ug/l 97
26) Cyclohexane	7.61	56	758215	227.745	ug/l # 98
29) 1,1-Dichloropropene	7.75	75	623334	185.526	ug/l 99
30) 2-Butanone	6.79	43	1581986	1175.766	ug/l 98
31) 2,2-Dichloropropane	6.77	77	679238	172.832	ug/l # 72
32) 1,1,1-Trichloroethane	7.53	97	656627	158.062	ug/l 99
33) Carbon Tetrachloride	7.73	117	573604	166.785	ug/l 100
34) Benzene	8.00	78	1821244	175.070	ug/l # 90
35) Methacrylonitrile	7.13	41	313204	263.355	ug/l 96
36) 1,2-Dichloroethane	8.09	62	647689	187.382	ug/l 100
37) Trichloroethene	8.80	130	414764	136.346	ug/l 99
38) Methylcyclohexane	9.05	83	705668	188.229	ug/l 99
39) 1,2-Dichloropropane	9.08	63	520418	199.224	ug/l 98
40) Dibromomethane	9.18	93	299798	162.956	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	644576	171.189	ug/l	99
42) Vinyl Acetate	5.84	43	6594673	1205.664	ug/l	99
43) Ethyl Acetate	6.88	43	653846	241.279	ug/l	95
44) Isopropyl Acetate	8.12	43	1123451m	238.330	ug/l	
45) 1,4-Dioxane	9.17	88	149614	3387.241	ug/l	99
46) Methyl methacrylate	9.17	41	546721	257.639	ug/l	98
47) n-amyl Acetate	12.04	43	1025966	256.175	ug/l	94
48) t-1,3-Dichloropropene	10.35	75	772910	191.692	ug/l	99
49) cis-1,3-Dichloropropene	9.81	75	822936	187.689	ug/l	98
50) 1,1,2-Trichloroethane	10.53	97	421948	158.190	ug/l	99
51) Ethyl methacrylate	10.40	69	748927	203.994	ug/l	97
52) 1,3-Dichloropropane	10.68	76	784193	179.279	ug/l	100
53) Dibromochloromethane	10.87	129	471791	152.666	ug/l	99
54) 1,2-Dibromoethane	10.98	107	438963	159.265	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	1318120	974.690	ug/l	100
56) Bromoform	12.10	173	333219	154.276	ug/l	99
58) 4-Methyl-2-Pentanone	9.95	43	3243161	1181.058	ug/l	97
59) 2-Hexanone	10.72	43	2405615	1200.010	ug/l	98
61) Tetrachloroethene	10.60	164	339566	106.841	ug/l	96
62) Toluene	10.12	91	1897795	164.949	ug/l	99
64) Chlorobenzene	11.41	112	1141684	157.726	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	417180	151.355	ug/l	99
66) Ethyl Benzene	11.48	91	2166388	171.577	ug/l	99
67) m/p-Xylenes	11.60	106	1584959	322.533	ug/l	97
68) o-Xylene	11.92	106	764982	164.252	ug/l	97
69) Styrene	11.94	104	1325107	167.225	ug/l	99
70) Isopropylbenzene	12.22	105	2031281	164.296	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	640059	186.053	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	628873m	195.820	ug/l	
73) Bromobenzene	12.50	156	472430	145.587	ug/l	99
74) n-propylbenzene	12.57	91	2472923	176.000	ug/l	99
75) 2-Chlorotoluene	12.65	91	1473549	176.131	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	1763786	171.116	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	251219	212.322	ug/l	94
78) 4-Chlorotoluene	12.75	91	1538141	177.642	ug/l	100
79) tert-butylbenzene	12.97	119	1475921	165.964	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	1764498	170.661	ug/l	99
81) sec-Butylbenzene	13.15	105	1988157	173.002	ug/l	100
82) p-Isopropyltoluene	13.26	119	1768234	167.226	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	846628	147.262	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	843482	149.635	ug/l	99
85) n-Butylbenzene	13.59	91	1596626	183.015	ug/l	98
86) Hexachloroethane	13.85	117	339781	214.971	ug/l	100
87) 1,2-Dichlorobenzene	13.63	146	794188	145.460	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	131814	204.673	ug/l	94
89) 1,2,4-Trichlorobenzene	14.88	180	474706	152.346	ug/l	98
90) Hexachlorobutadiene	14.98	225	214610	152.469	ug/l	97
91) Naphthalene	15.10	128	1298537	150.380	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	459922	150.197	ug/l	98

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

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