

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
 Data File : VN064194.D
 Acq On : 20 Oct 2020 11:35
 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
 10/23/2020 2:28:42 PM

Quant Time: Oct 20 11:56:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 20 11:03:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	53517	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	289678	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	266802	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	124850	26.31	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	87.70%
60) 4-Bromofluorobenzene	12.38	95	145158	31.21	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	104.03%
63) Toluene-d8	10.06	98	357849	29.57	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	572716	163.815	ug/l 94
3) Chloromethane	2.04	50	576926	158.957	ug/l 99
4) Vinyl Chloride	2.16	62	558280	154.621	ug/l 95
5) Bromomethane	2.51	94	333786	145.899	ug/l 99
6) Chloroethane	2.66	64	317319	142.038	ug/l 99
7) Trichlorofluoromethane	2.98	101	868370	150.225	ug/l 99
8) Diethyl Ether	3.37	74	295515	157.909	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	447631	150.320	ug/l 96
10) 1,1-Dichloroethene	3.69	96	443414	157.501	ug/l 98
11) Methyl Iodide	3.91	142	693234	189.665	ug/l 98
12) Methyl Acetate	4.27	43	498580	149.187	ug/l 96
13) Acrolein	3.57	56	273529	806.420	ug/l # 1
14) Acrylonitrile	4.93	53	1022459	741.538	ug/l 99
15) Acetone	3.78	58	279237	717.247	ug/l 94
16) Carbon Disulfide	4.01	76	1312676	158.185	ug/l 99
17) Allyl chloride	4.27	41	816600	158.211	ug/l 97
18) Methylene Chloride	4.50	84	511314	154.858	ug/l 95
19) trans-1,2-Dichloroethene	4.99	96	481694	151.747	ug/l 97
20) Diisopropyl ether	5.90	45	1555765	150.030	ug/l 95
21) 1,1-Dichloroethane	5.80	63	942374	150.714	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	566699	156.408	ug/l 99
23) tert-Butyl Alcohol	4.73	59	450237	761.192	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	1478638	157.232	ug/l 99
25) Chloroform	7.33	83	966590	147.638	ug/l 97
26) Cyclohexane	7.61	56	740578	160.404	ug/l # 92
29) 1,1-Dichloropropene	7.75	75	734880	151.521	ug/l 98
30) 2-Butanone	6.78	43	1551903	675.168	ug/l 99
31) 2,2-Dichloropropane	6.78	77	903636	154.734	ug/l 98
32) 1,1,1-Trichloroethane	7.53	97	926127	150.623	ug/l 100
33) Carbon Tetrachloride	7.74	117	837891	153.962	ug/l 99
34) Benzene	8.00	78	2066806	151.364	ug/l # 89
35) Methacrylonitrile	7.13	41	352466	156.066	ug/l 94
36) 1,2-Dichloroethane	8.08	62	821804	138.514	ug/l 100
37) Trichloroethene	8.80	130	564325	155.327	ug/l 99
38) Methylcyclohexane	9.05	83	687379	164.236	ug/l 99
39) 1,2-Dichloropropane	9.08	63	548994	148.692	ug/l 98
40) Dibromomethane	9.17	93	372265	144.911	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	819523	151.201	ug/l	100
42) Vinyl Acetate	5.84	43	7202018	736.682	ug/l	100
43) Ethyl Acetate	6.88	43	668046	134.148	ug/l	95
44) Isopropyl Acetate	8.13	43	1270328	151.169	ug/l	98
45) 1,4-Dioxane	9.16	88	154296	2934.776	ug/l #	91
46) Methyl methacrylate	9.16	41	614360	148.170	ug/l	98
47) n-amyl Acetate	12.04	43	1157707	154.617	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	944496	160.186	ug/l	95
49) cis-1,3-Dichloropropene	9.81	75	968044	157.984	ug/l	99
50) 1,1,2-Trichloroethane	10.53	97	507939	146.431	ug/l	99
51) Ethyl methacrylate	10.40	69	812491	158.957	ug/l	98
52) 1,3-Dichloropropane	10.68	76	882967	148.578	ug/l	100
53) Dibromochloromethane	10.87	129	644165	159.798	ug/l	99
54) 1,2-Dibromoethane	10.98	107	552599	152.178	ug/l	96
55) 2-Chloroethyl vinyl ether	9.66	63	2040652	743.783	ug/l	100
56) Bromoform	12.10	173	469329	166.199	ug/l	98
58) 4-Methyl-2-Pentanone	9.95	43	3382459	697.427	ug/l	99
59) 2-Hexanone	10.72	43	2526323	696.827	ug/l	99
61) Tetrachloroethene	10.60	164	521722	159.332	ug/l	97
62) Toluene	10.13	91	2283728	154.520	ug/l	100
64) Chlorobenzene	11.41	112	1433542	158.907	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	552095	157.011	ug/l	99
66) Ethyl Benzene	11.48	91	2619414	159.242	ug/l	98
67) m/p-Xylenes	11.59	106	1985941	326.516	ug/l	96
68) o-Xylene	11.92	106	952289	163.655	ug/l	94
69) Styrene	11.94	104	1648996	165.979	ug/l	99
70) Isopropylbenzene	12.22	105	2519165	162.511	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	695066	146.106	ug/l	97
72) 1,2,3-Trichloropropane	12.53	75	729867m	153.622	ug/l	
73) Bromobenzene	12.50	156	622591	158.589	ug/l	98
74) n-propylbenzene	12.57	91	2932385	162.583	ug/l	98
75) 2-Chlorotoluene	12.65	91	1808451	164.226	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	2183430	166.842	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	299319	168.795	ug/l	96
78) 4-Chlorotoluene	12.75	91	1895958	163.337	ug/l	99
79) tert-butylbenzene	12.97	119	1786684	169.185	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	2192412	166.618	ug/l	98
81) sec-Butylbenzene	13.14	105	2312264	167.029	ug/l	99
82) p-Isopropyltoluene	13.26	119	2172281	172.066	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	1131551	163.494	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	1145343	165.358	ug/l	98
85) n-Butylbenzene	13.59	91	1939185	175.770	ug/l	99
86) Hexachloroethane	13.85	117	378010	173.848	ug/l	95
87) 1,2-Dichlorobenzene	13.63	146	1098200	162.860	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	177687	155.669	ug/l	98
89) 1,2,4-Trichlorobenzene	14.88	180	680388	189.042	ug/l	97
90) Hexachlorobutadiene	14.98	225	318441	171.009	ug/l	99
91) Naphthalene	15.10	128	2064382	190.518	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	655757	189.638	ug/l	100

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

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