

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110920\
 Data File : VN064507.D
 Acq On : 9 Nov 2020 13:01
 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
 11/10/2020 1:10:35 PM

Quant Time: Nov 09 13:21:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110920W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 09 12:16:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	73714	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	386679	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	368038	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	184519	30.30	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.00%
60) 4-Bromofluorobenzene	12.38	95	196186	31.33	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	104.43%
63) Toluene-d8	10.06	98	504888	30.28	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.93%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	737829	155.558	ug/l 97
3) Chloromethane	2.04	50	836019	166.594	ug/l 99
4) Vinyl Chloride	2.17	62	911173	174.734	ug/l 98
5) Bromomethane	2.52	94	556814	162.827	ug/l 96
6) Chloroethane	2.67	64	560902	181.050	ug/l 97
7) Trichlorofluoromethane	2.98	101	1257503	149.888	ug/l 95
8) Diethyl Ether	3.37	74	449925	167.705	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	603102	144.783	ug/l 51
10) 1,1-Dichloroethene	3.69	96	594365	149.642	ug/l 96
11) Methyl Iodide	3.91	142	799960	152.491	ug/l 98
12) Methyl Acetate	4.28	43	727473	170.149	ug/l 100
13) Acrolein	3.57	56	408759	1009.784	ug/l 98
14) Acrylonitrile	4.94	53	1667103	876.468	ug/l 100
15) Acetone	3.78	58	467549	712.519	ug/l 98
16) Carbon Disulfide	4.00	76	1809600	158.288	ug/l 99
17) Allyl chloride	4.27	41	1179690	167.221	ug/l 97
18) Methylene Chloride	4.50	84	703532	152.452	ug/l 96
19) trans-1,2-Dichloroethene	4.99	96	686457	156.683	ug/l 98
20) Diisopropyl ether	5.91	45	2605860	173.802	ug/l 95
21) 1,1-Dichloroethane	5.80	63	1341632	158.561	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	801108	156.750	ug/l 93
23) tert-Butyl Alcohol	4.75	59	542487	762.178	ug/l # 100
24) Methyl tert-Butyl Ether	5.00	73	2216286	157.433	ug/l # 75
25) Chloroform	7.33	83	1405122	154.897	ug/l 98
26) Cyclohexane	7.61	56	1121133	167.806	ug/l # 100
29) 1,1-Dichloropropene	7.75	75	1070495	169.312	ug/l 98
30) 2-Butanone	6.79	43	2465560	852.471	ug/l # 81
31) 2,2-Dichloropropane	6.78	77	1213672	157.763	ug/l 100
32) 1,1,1-Trichloroethane	7.53	97	1268597	155.977	ug/l 97
33) Carbon Tetrachloride	7.73	117	1121979	153.310	ug/l 99
34) Benzene	8.00	78	3043713	170.380	ug/l # 88
35) Methacrylonitrile	7.13	41	499610	177.300	ug/l 95
36) 1,2-Dichloroethane	8.09	62	1181069	160.269	ug/l 98
37) Trichloroethene	8.80	130	764848	155.229	ug/l 99
38) Methylcyclohexane	9.05	83	1002912	176.464	ug/l 98
39) 1,2-Dichloropropane	9.08	63	813059	175.103	ug/l 100
40) Dibromomethane	9.17	93	544345	164.304	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	1175459	167.360	ug/l	100
42) Vinyl Acetate	5.85	43	10447942	863.081	ug/l	98
43) Ethyl Acetate	6.89	43	1020818	181.723	ug/l	97
44) Isopropyl Acetate	8.13	43	1784913	181.695	ug/l	94
45) 1,4-Dioxane	9.17	88	228426	3254.901	ug/l	99
46) Methyl methacrylate	9.17	41	886479	182.621	ug/l	95
47) n-amyl Acetate	12.05	43	1697031	202.628	ug/l	97
48) t-1,3-Dichloropropene	10.35	75	1335864	173.364	ug/l	98
49) cis-1,3-Dichloropropene	9.81	75	1379950	173.214	ug/l	97
50) 1,1,2-Trichloroethane	10.53	97	743152	167.388	ug/l	98
51) Ethyl methacrylate	10.40	69	1198384	188.296	ug/l	95
52) 1,3-Dichloropropane	10.68	76	1320107	176.540	ug/l	99
53) Dibromochloromethane	10.87	129	893367	164.859	ug/l	99
54) 1,2-Dibromoethane	10.98	107	789468	167.858	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	3009774	868.147	ug/l	99
56) Bromoform	12.10	173	602867	158.529	ug/l	98
58) 4-Methyl-2-Pentanone	9.96	43	5049147	846.510	ug/l	95
59) 2-Hexanone	10.72	43	3879521	876.464	ug/l	94
61) Tetrachloroethene	10.60	164	694117	141.505	ug/l	97
62) Toluene	10.13	91	3340271	160.968	ug/l	98
64) Chlorobenzene	11.41	112	2043795	159.012	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	790127	158.571	ug/l	99
66) Ethyl Benzene	11.48	91	3751298	165.600	ug/l	97
67) m/p-Xylenes	11.60	106	2855556	334.888	ug/l	91
68) o-Xylene	11.92	106	1358839	166.183	ug/l	99
69) Styrene	11.94	104	2398204	174.729	ug/l	97
70) Isopropylbenzene	12.22	105	3521755	166.147	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.48	83	1077813	178.105	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	1129157m	181.092	ug/l	
73) Bromobenzene	12.50	156	852881	157.095	ug/l	98
74) n-propylbenzene	12.57	91	4076537	173.168	ug/l	97
75) 2-Chlorotoluene	12.65	91	2576994	173.067	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	2994994	169.997	ug/l	96
77) t-1,4-Dichloro-2-butene	12.27	75	423973	191.168	ug/l	100
78) 4-Chlorotoluene	12.75	91	2749511	177.794	ug/l	99
79) tert-butylbenzene	12.97	119	2412378	174.185	ug/l	95
80) 1,2,4-Trimethylbenzene	13.01	105	3062804	172.631	ug/l	99
81) sec-Butylbenzene	13.14	105	3127124	175.569	ug/l	100
82) p-Isopropyltoluene	13.26	119	2893300	177.754	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	1566632	167.832	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	1562869	167.106	ug/l	98
85) n-Butylbenzene	13.59	91	2564522	196.499	ug/l	98
86) Hexachloroethane	13.85	117	541080	174.156	ug/l	98
87) 1,2-Dichlorobenzene	13.63	146	1510799	168.463	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	234659	179.731	ug/l	97
89) 1,2,4-Trichlorobenzene	14.88	180	761326	176.399	ug/l	97
90) Hexachlorobutadiene	14.98	225	314157	136.821	ug/l	97
91) Naphthalene	15.10	128	2556767	195.586	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	751227	173.042	ug/l	98

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

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