

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071320\
 Data File : VN062509.D
 Acq On : 13 Jul 2020 10:24
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 7/14/2020 11:36:42 AM

Quant Time: Jul 13 11:13:35 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	40406	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	229687	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	214547	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	104408	38.40	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	128.00%
60) 4-Bromofluorobenzene	12.37	95	110625	33.98	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	113.27%
63) Toluene-d8	10.06	98	302445	32.41	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	108.03%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	133392	73.103	ug/l 98
3) Chloromethane	2.04	50	189757	83.387	ug/l 98
4) Vinyl Chloride	2.16	62	167324	58.887	ug/l 97
5) Bromomethane	2.53	94	81226	46.592	ug/l 93
6) Chloroethane	2.67	64	81880	43.677	ug/l 96
7) Trichlorofluoromethane	2.98	101	193227	49.282	ug/l 97
8) Diethyl Ether	3.37	74	94838	69.262	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	124863	58.387	ug/l 98
10) 1,1-Dichloroethene	3.70	96	128434	60.550	ug/l 96
11) Methyl Iodide	3.91	142	164810	58.743	ug/l 99
12) Methyl Acetate	4.28	43	170747	87.959	ug/l 99
13) Acrolein	3.56	56	142011	517.190	ug/l 98
14) Acrylonitrile	4.93	53	411772	424.062	ug/l 98
15) Acetone	3.77	58	127296	414.547	ug/l 99
16) Carbon Disulfide	4.01	76	418816	87.798	ug/l 98
17) Allyl chloride	4.27	41	263611	91.035	ug/l 98
18) Methylene Chloride	4.50	84	157593	63.373	ug/l 97
19) trans-1,2-Dichloroethene	4.99	96	143537	60.980	ug/l 96
20) Diisopropyl ether	5.90	45	569114	86.457	ug/l 97
21) 1,1-Dichloroethane	5.80	63	297848	73.001	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	159812	57.926	ug/l 97
23) tert-Butyl Alcohol	4.73	59	133704	365.937	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	481749	68.472	ug/l 100
25) Chloroform	7.33	83	274370	62.326	ug/l 98
26) Cyclohexane	7.61	56	265978	82.427	ug/l # 100
29) 1,1-Dichloropropene	7.75	75	219384	66.940	ug/l 99
30) 2-Butanone	6.79	43	578658	440.894	ug/l 98
31) 2,2-Dichloropropane	6.78	77	244002	63.649	ug/l # 73
32) 1,1,1-Trichloroethane	7.53	97	233452	57.610	ug/l 98
33) Carbon Tetrachloride	7.73	117	201084	59.940	ug/l 98
34) Benzene	8.00	78	645314	63.593	ug/l # 92
35) Methacrylonitrile	7.12	41	98542	84.943	ug/l 99
36) 1,2-Dichloroethane	8.09	62	230436	68.345	ug/l 100
37) Trichloroethene	8.80	130	145174	48.924	ug/l 100
38) Methylcyclohexane	9.05	83	241986	66.171	ug/l 100
39) 1,2-Dichloropropane	9.09	63	183218	71.904	ug/l 99
40) Dibromomethane	9.18	93	104741	58.365	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	223808	60.936	ug/l	98
42) Vinyl Acetate	5.84	43	2447037	458.635	ug/l	100
43) Ethyl Acetate	6.88	43	231725	87.662	ug/l	98
44) Isopropyl Acetate	8.13	43	393516	85.582	ug/l	98
45) 1,4-Dioxane	9.17	88	53540	1242.641	ug/l	99
46) Methyl methacrylate	9.17	41	184747	89.252	ug/l	95
47) n-amyl Acetate	12.04	43	342895	87.773	ug/l	97
48) t-1,3-Dichloropropene	10.35	75	266565	67.775	ug/l	99
49) cis-1,3-Dichloropropene	9.81	75	283790	66.354	ug/l	99
50) 1,1,2-Trichloroethane	10.53	97	148005	56.884	ug/l	99
51) Ethyl methacrylate	10.40	69	257181	71.814	ug/l	97
52) 1,3-Dichloropropane	10.68	76	272200	63.795	ug/l	100
53) Dibromochloromethane	10.87	129	162439	53.886	ug/l	99
54) 1,2-Dibromoethane	10.98	107	152890	56.868	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	418363	317.145	ug/l	100
56) Bromoform	12.10	173	111685	53.010	ug/l	98
58) 4-Methyl-2-Pentanone	9.95	43	1172217	436.899	ug/l	100
59) 2-Hexanone	10.72	43	864465	441.343	ug/l	99
61) Tetrachloroethene	10.60	164	118480	38.153	ug/l	98
62) Toluene	10.12	91	667709	59.396	ug/l	100
64) Chlorobenzene	11.41	112	390867	55.266	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	144437	53.632	ug/l	100
66) Ethyl Benzene	11.48	91	745692	60.444	ug/l	98
67) m/p-Xylenes	11.59	106	538786	112.213	ug/l	100
68) o-Xylene	11.92	106	258256	56.752	ug/l	99
69) Styrene	11.94	104	443982	57.344	ug/l	99
70) Isopropylbenzene	12.22	105	699457	57.901	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	224788	66.875	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	217287m	69.246	ug/l	
73) Bromobenzene	12.50	156	159031	50.158	ug/l	98
74) n-propylbenzene	12.56	91	833099	60.683	ug/l	100
75) 2-Chlorotoluene	12.65	91	496900	60.787	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	597367	59.314	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	82158	71.066	ug/l	96
78) 4-Chlorotoluene	12.75	91	512982	60.635	ug/l	99
79) tert-butylbenzene	12.97	119	495921	57.073	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	585017	57.910	ug/l	99
81) sec-Butylbenzene	13.15	105	654007	58.244	ug/l	99
82) p-Isopropyltoluene	13.26	119	583336	56.462	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	283567	50.480	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	280308	50.894	ug/l	99
85) n-Butylbenzene	13.59	91	502095	58.903	ug/l	99
86) Hexachloroethane	13.85	117	109529	70.922	ug/l	100
87) 1,2-Dichlorobenzene	13.63	146	274332	51.424	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.25	75	43220	68.684	ug/l	97
89) 1,2,4-Trichlorobenzene	14.88	180	138075	45.352	ug/l	99
90) Hexachlorobutadiene	14.98	225	76195	55.403	ug/l	98
91) Naphthalene	15.10	128	370001	43.854	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	138700	46.358	ug/l	98

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

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