

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN083019\
 Data File : VN057579.D
 Acq On : 30 Aug 2019 10:24
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 8/31/2019 10:00:31 AM

Quant Time: Aug 30 23:52:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N083019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 30 23:13:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	113204	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	666806	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	622584	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	246332	23.39	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	77.97%
60) 4-Bromofluorobenzene	12.40	95	299278	29.55	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.50%
63) Toluene-d8	10.08	98	841857	27.30	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	91.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	569976	95.448	ug/l 97
3) Chloromethane	2.06	50	478698	58.490	ug/l 99
4) Vinyl Chloride	2.18	62	754107	70.744	ug/l 98
5) Bromomethane	2.54	94	662861	89.409	ug/l 99
6) Chloroethane	2.69	64	489775	67.452	ug/l 98
7) Trichlorofluoromethane	3.01	101	1610247	88.093	ug/l 99
8) Diethyl Ether	3.40	74	498599	73.442	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	951202	90.630	ug/l 94
10) 1,1-Dichloroethene	3.72	96	882033	88.293	ug/l 100
11) Methyl Iodide	3.93	142	1607472	146.035	ug/l 100
12) Methyl Acetate	4.31	43	445458	49.245	ug/l 98
13) Acrolein	3.59	56	300356	264.764	ug/l 95
14) Acrylonitrile	4.97	53	981679	308.095	ug/l # 91
15) Acetone	3.81	58	474609	315.403	ug/l 99
16) Carbon Disulfide	4.03	76	965776	59.922	ug/l 99
17) Allyl chloride	4.30	41	652924	53.600	ug/l 97
18) Methylene Chloride	4.53	84	519130	74.773	ug/l 98
19) trans-1,2-Dichloroethene	5.02	96	520320	78.721	ug/l 98
20) Diisopropyl ether	5.94	45	1599441	60.777	ug/l 94
21) 1,1-Dichloroethane	5.83	63	984239	70.182	ug/l 98
22) cis-1,2-Dichloroethene	6.81	96	731373	90.459	ug/l 94
23) tert-Butyl Alcohol	4.80	59	350429	300.941	ug/l 100
24) Methyl tert-Butyl Ether	5.03	73	1680430	76.879	ug/l 95
25) Chloroform	7.36	83	1275282	88.593	ug/l 98
26) Cyclohexane	7.64	56	848015	68.234	ug/l # 91
29) 1,1-Dichloropropene	7.78	75	873109	79.522	ug/l 99
30) 2-Butanone	6.83	43	1324654	265.841	ug/l # 95
31) 2,2-Dichloropropane	6.81	77	1016699	80.867	ug/l 99
32) 1,1,1-Trichloroethane	7.56	97	1178321	91.595	ug/l 97
33) Carbon Tetrachloride	7.76	117	1031272	96.324	ug/l 99
34) Benzene	8.03	78	2653907	82.119	ug/l # 90
35) Methacrylonitrile	7.16	41	270669	54.569	ug/l 92
36) 1,2-Dichloroethane	8.11	62	933252	73.810	ug/l 99
37) Trichloroethene	8.82	130	766094	99.803	ug/l 95
38) Methylcyclohexane	9.07	83	1094768	87.273	ug/l 95
39) 1,2-Dichloropropane	9.11	63	622222	69.458	ug/l 98
40) Dibromomethane	9.20	93	487168	85.376	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	1048610	87.001	ug/l	98
42) Vinyl Acetate	5.88	43	6002855	266.951	ug/l #	94
43) Ethyl Acetate	6.92	43	551993	56.672	ug/l	95
44) Isopropyl Acetate	8.16	43	1064228	56.972	ug/l	99
45) 1,4-Dioxane	9.20	88	191244	1618.163	ug/l	97
46) Methyl methacrylate	9.19	41	476199	53.514	ug/l	88
47) n-amyl Acetate	12.07	43	927275	60.910	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	1060755	84.324	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	1126546	81.825	ug/l	94
50) 1,1,2-Trichloroethane	10.56	97	711493	94.639	ug/l	99
51) Ethyl methacrylate	10.43	69	955350	79.179	ug/l	89
52) 1,3-Dichloropropane	10.71	76	1098126	81.895	ug/l	97
53) Dibromochloromethane	10.90	129	863897	107.039	ug/l	99
54) 1,2-Dibromoethane	11.00	107	765648	98.802	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	1304402	431.100	ug/l	97
56) Bromoform	12.13	173	592335	120.310	ug/l #	98
58) 4-Methyl-2-Pentanone	9.98	43	2844372	255.752	ug/l #	92
59) 2-Hexanone	10.75	43	2070285	268.694	ug/l	93
61) Tetrachloroethene	10.63	164	736399	100.927	ug/l	97
62) Toluene	10.15	91	3016269	81.292	ug/l	95
64) Chlorobenzene	11.43	112	2027505	97.902	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	807380	102.610	ug/l	97
66) Ethyl Benzene	11.51	91	3179227	79.492	ug/l #	80
67) m/p-Xylenes	11.62	106	2799295m	198.470	ug/l	
68) o-Xylene	11.95	106	1392708	100.357	ug/l	88
69) Styrene	11.96	104	2333436	104.159	ug/l	97
70) Isopropylbenzene	12.25	105	3293737	87.786	ug/l	91
71) 1,1,2,2-Tetrachloroethane	12.51	83	904283	86.047	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	759620m	80.307	ug/l	
73) Bromobenzene	12.53	156	918129	117.936	ug/l	95
74) n-propylbenzene	12.59	91	3457323	81.912	ug/l	88
75) 2-Chlorotoluene	12.68	91	2362793	95.101	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	2926068	94.999	ug/l	91
77) t-1,4-Dichloro-2-butene	12.30	75	270987	83.297	ug/l	86
78) 4-Chlorotoluene	12.77	91	2386153	100.142	ug/l	95
79) tert-butylbenzene	12.99	119	2680134	101.242	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	2876551	99.350	ug/l	88
81) sec-Butylbenzene	13.17	105	3215981	92.643	ug/l	92
82) p-Isopropyltoluene	13.29	119	3013279	101.808	ug/l	95
83) 1,3-Dichlorobenzene	13.28	146	1646574	134.939	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	1577508	132.749	ug/l	98
85) n-Butylbenzene	13.62	91	2509686	99.472	ug/l	94
86) Hexachloroethane	13.88	117	595325	103.842	ug/l	97
87) 1,2-Dichlorobenzene	13.66	146	1547932	129.194	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	148656	85.459	ug/l	93
89) 1,2,4-Trichlorobenzene	14.91	180	640267	143.012	ug/l	99
90) Hexachlorobutadiene	15.01	225	433776	125.041	ug/l	98
91) Naphthalene	15.13	128	1804411	128.172	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	629368	142.388	ug/l	96

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

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