

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101218\
 Data File : VN051825.D
 Acq On : 12 Oct 2018 9:03
 Operator : MD\SY
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 10/15/2018 11:27:49 AM

Quant Time: Oct 12 10:18:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 09:34:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	148110	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	842678	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	773964	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	272565	26.90	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	89.67%
60) 4-Bromofluorobenzene	12.40	95	342314	29.29	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.63%
63) Toluene-d8	10.09	98	990036	26.70	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	89.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	284442	39.51	ug/l	100
3) Chloromethane	2.06	50	313763	25.05	ug/l	98
4) Vinyl Chloride	2.18	62	465425	34.55	ug/l	99
5) Bromomethane	2.56	94	407236	46.50	ug/l	89
6) Chloroethane	2.70	64	335353	40.17	ug/l	99
7) Trichlorofluoromethane	3.01	101	661750	37.56	ug/l	94
8) Diethyl Ether	3.41	74	190974	36.55	ug/l	75
9) 1,1,2-Trichlorotrifluoroet	3.76	101	375624	42.20	ug/l #	40
10) 1,1-Dichloroethene	3.73	96	344261	42.32	ug/l	87
11) Methyl Iodide	3.95	142	520256	42.83	ug/l	95
12) Methyl Acetate	4.33	43	223000	31.41	ug/l	93
13) Acrolein	3.61	56	62262	64.28	ug/l	91
14) Acrylonitrile	4.99	53	485695	167.04	ug/l #	61
15) Acetone	3.82	58	117255	165.36	ug/l	97
16) Carbon Disulfide	4.05	76	909821	35.47	ug/l	98
17) Allyl chloride	4.33	41	417298	29.25	ug/l	78
18) Methylene Chloride	4.55	84	385221	39.57	ug/l	91
19) trans-1,2-Dichloroethene	5.04	96	396433	44.76	ug/l	85
20) Diisopropyl ether	5.96	45	924737	31.86	ug/l #	82
21) 1,1-Dichloroethane	5.85	63	640745	37.01	ug/l #	96
22) cis-1,2-Dichloroethene	6.83	96	466687	46.93	ug/l #	82
23) tert-Butyl Alcohol	4.79	59	126071	231.80	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	1006442	45.37	ug/l #	66
25) Chloroform	7.37	83	767423	44.31	ug/l	95
26) Cyclohexane	7.65	56	545161	37.06	ug/l #	72
29) 1,1-Dichloropropene	7.79	75	559795	40.02	ug/l	95
30) 2-Butanone	6.84	43	566115	159.19	ug/l #	86
31) 2,2-Dichloropropane	6.83	77	652617	43.77	ug/l #	78
32) 1,1,1-Trichloroethane	7.57	97	732662	45.87	ug/l	95
33) Carbon Tetrachloride	7.78	117	668189	45.83	ug/l	91
34) Benzene	8.04	78	1649027	39.60	ug/l #	61
35) Methacrylonitrile	7.19	41	151686m	33.78	ug/l	
36) 1,2-Dichloroethane	8.13	62	530213	39.51	ug/l	97
37) Trichloroethene	8.84	130	503994	45.87	ug/l	98
38) Methylcyclohexane	9.08	83	708827	44.25	ug/l	79
39) 1,2-Dichloropropane	9.12	63	386907	34.16	ug/l	95
40) Dibromomethane	9.21	93	287651	44.62	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	600452	42.47	ug/l	93
42) Vinyl Acetate	5.90	43	3277685	164.00	ug/l #	89
43) Ethyl Acetate	6.93	43	255865	34.18	ug/l	98
44) Isopropyl Acetate	8.17	43	509405	35.52	ug/l	97
45) 1,4-Dioxane	9.20	88	83083	947.33	ug/l #	74
46) Methyl methacrylate	9.20	41	231777	32.55	ug/l	71
47) n-amyl Acetate	12.07	43	443187	38.89	ug/l #	77
48) t-1,3-Dichloropropene	10.38	75	587851	42.25	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	649827	39.98	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	400870	43.62	ug/l	96
51) Ethyl methacrylate	10.43	69	472808	43.94	ug/l	83
52) 1,3-Dichloropropane	10.71	76	618509	39.87	ug/l	97
53) Dibromochloromethane	10.90	129	495996	46.92	ug/l	96
54) 1,2-Dibromoethane	11.01	107	422998	47.93	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	1031253	192.16	ug/l #	92
56) Bromoform	12.13	173	330002	46.59	ug/l	95
58) 4-Methyl-2-Pentanone	9.99	43	1323663	165.44	ug/l #	87
59) 2-Hexanone	10.75	43	892802	171.39	ug/l #	89
61) Tetrachloroethene	10.63	164	497609	46.90	ug/l	96
62) Toluene	10.16	91	1962957	42.02	ug/l	98
64) Chlorobenzene	11.43	112	1283958	44.91	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	494992	44.71	ug/l	99
66) Ethyl Benzene	11.51	91	2178279	45.37	ug/l	99
67) m/p-Xylenes	11.62	106	1763724	94.49	ug/l	98
68) o-Xylene	11.95	106	875821	49.37	ug/l	88
69) Styrene	11.96	104	1351405	48.10	ug/l	97
70) Isopropylbenzene	12.25	105	2323015	48.85	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	465481	42.22	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	355006m	37.18	ug/l	
73) Bromobenzene	12.53	156	580533	48.90	ug/l	83
74) n-propylbenzene	12.59	91	2529056	45.93	ug/l	95
75) 2-Chlorotoluene	12.68	91	1476610	45.35	ug/l	93
76) 1,3,5-Trimethylbenzene	12.73	105	1948361	49.54	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	124316	41.76	ug/l	96
78) 4-Chlorotoluene	12.77	91	1475827	45.63	ug/l	91
79) tert-butylbenzene	12.99	119	1755434	51.53	ug/l	95
80) 1,2,4-Trimethylbenzene	13.04	105	1959007	49.38	ug/l	96
81) sec-Butylbenzene	13.17	105	2341171	49.87	ug/l	97
82) p-Isopropyltoluene	13.29	119	2122975	52.34	ug/l	96
83) 1,3-Dichlorobenzene	13.28	146	1047885	50.33	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	996295	50.87	ug/l	98
85) n-Butylbenzene	13.62	91	1646347	50.09	ug/l	94
86) Hexachloroethane	13.88	117	364180	45.22	ug/l	91
87) 1,2-Dichlorobenzene	13.65	146	1018776	51.12	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	68428	42.33	ug/l #	69
89) 1,2,4-Trichlorobenzene	14.91	180	492194	51.07	ug/l	98
90) Hexachlorobutadiene	15.01	225	314908	41.56	ug/l	97
91) Naphthalene	15.13	128	978701	55.28	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	482210	49.62	ug/l	92

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

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