

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101218\
 Data File : VN051826.D
 Acq On : 12 Oct 2018 9:27
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 10/15/2018 11:27:50 AM

Quant Time: Oct 12 10:21:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 09:43:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	157925	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	881797	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	825615	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	279475	28.14	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	93.80%
60) 4-Bromofluorobenzene	12.40	95	377461	32.97	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	109.90%
63) Toluene-d8	10.09	98	1059043	29.08	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.93%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	636654	107.43	ug/l	100
3) Chloromethane	2.06	50	630016	94.69	ug/l	100
4) Vinyl Chloride	2.18	62	952858	96.45	ug/l	99
5) Bromomethane	2.55	94	822221	93.81	ug/l	87
6) Chloroethane	2.70	64	672725	92.93	ug/l	99
7) Trichlorofluoromethane	3.01	101	1382079	100.29	ug/l	95
8) Diethyl Ether	3.41	74	394599	96.82	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.76	101	769583	96.00	ug/l #	40
10) 1,1-Dichloroethene	3.73	96	708473	95.66	ug/l	86
11) Methyl Iodide	3.95	142	1139148	115.52	ug/l	94
12) Methyl Acetate	4.33	43	461530	102.79	ug/l	94
13) Acrolein	3.61	56	143385	468.71	ug/l	88
14) Acrylonitrile	4.99	53	1039444	522.03	ug/l #	61
15) Acetone	3.82	58	241460	470.44	ug/l	88
16) Carbon Disulfide	4.05	76	1951253	104.04	ug/l	98
17) Allyl chloride	4.32	41	861804	98.58	ug/l	76
18) Methylene Chloride	4.55	84	809946	98.93	ug/l #	87
19) trans-1,2-Dichloroethene	5.04	96	828993	99.60	ug/l	84
20) Diisopropyl ether	5.95	45	1886025	96.10	ug/l #	82
21) 1,1-Dichloroethane	5.85	63	1319861	96.03	ug/l #	98
22) cis-1,2-Dichloroethene	6.83	96	969850	98.55	ug/l #	81
23) tert-Butyl Alcohol	4.79	59	266534	503.73	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	2083263	98.46	ug/l #	67
25) Chloroform	7.37	83	1581346	97.98	ug/l	97
26) Cyclohexane	7.65	56	1111424	94.69	ug/l #	70
29) 1,1-Dichloropropene	7.79	75	1144525	100.98	ug/l	94
30) 2-Butanone	6.84	43	1175486	488.12	ug/l #	85
31) 2,2-Dichloropropane	6.83	77	1332408	98.71	ug/l #	77
32) 1,1,1-Trichloroethane	7.57	97	1523300	101.76	ug/l #	93
33) Carbon Tetrachloride	7.77	117	1398827	104.72	ug/l	94
34) Benzene	8.04	78	3387691	100.89	ug/l #	60
35) Methacrylonitrile	7.19	41	341154m	117.06	ug/l	
36) 1,2-Dichloroethane	8.13	62	1080084m	99.89	ug/l	
37) Trichloroethene	8.84	130	1053758	101.84	ug/l	96
38) Methylcyclohexane	9.08	83	1457733	99.92	ug/l	78
39) 1,2-Dichloropropane	9.12	63	776959	96.65	ug/l	95
40) Dibromomethane	9.21	93	596335	102.72	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	1252246	105.50	ug/l	95
42) Vinyl Acetate	5.90	43	6777720	512.14	ug/l #	88
43) Ethyl Acetate	6.93	43	538485	106.60	ug/l	99
44) Isopropyl Acetate	8.17	43	1047946	102.69	ug/l	96
45) 1,4-Dioxane	9.20	88	174010	2199.86	ug/l #	74
46) Methyl methacrylate	9.20	41	485456	104.02	ug/l	73
47) n-amyl Acetate	12.07	43	966354m	123.00	ug/l	
48) t-1,3-Dichloropropene	10.38	75	1274473	113.70	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	1381122	109.98	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	835091	105.33	ug/l	95
51) Ethyl methacrylate	10.43	69	976692	109.69	ug/l	84
52) 1,3-Dichloropropane	10.71	76	1279729	103.37	ug/l	98
53) Dibromochloromethane	10.90	129	1086678	116.03	ug/l	96
54) 1,2-Dibromoethane	11.01	107	903851	111.05	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	2159376	583.45	ug/l #	93
56) Bromoform	12.13	173	779496	136.85	ug/l	94
58) 4-Methyl-2-Pentanone	9.99	43	2727139	488.69	ug/l #	85
59) 2-Hexanone	10.75	43	1849924m	493.62	ug/l	
61) Tetrachloroethene	10.63	164	1038360	96.98	ug/l	96
62) Toluene	10.16	91	4135693	101.12	ug/l	98
64) Chlorobenzene	11.43	112	2760186	104.89	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	1072264	107.23	ug/l	99
66) Ethyl Benzene	11.51	91	4662141	104.42	ug/l	99
67) m/p-Xylenes	11.62	106	3837375	214.86	ug/l	96
68) o-Xylene	11.95	106	1869741	105.42	ug/l	88
69) Styrene	11.96	104	3016768	115.70	ug/l	96
70) Isopropylbenzene	12.25	105	5031808	106.91	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	988318	106.17	ug/l	95
72) 1,2,3-Trichloropropane	12.55	75	750190m	85.26	ug/l	
73) Bromobenzene	12.53	156	1304450	117.24	ug/l	80
74) n-propylbenzene	12.59	91	5549508	111.41	ug/l	94
75) 2-Chlorotoluene	12.67	91	3178150	107.15	ug/l	91
76) 1,3,5-Trimethylbenzene	12.73	105	4241885	110.52	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	283749	129.73	ug/l	93
78) 4-Chlorotoluene	12.77	91	3247881	115.08	ug/l	90
79) tert-butylbenzene	12.99	119	3877192	108.56	ug/l	92
80) 1,2,4-Trimethylbenzene	13.04	105	4265287	111.73	ug/l	95
81) sec-Butylbenzene	13.17	105	5065061	109.29	ug/l	96
82) p-Isopropyltoluene	13.29	119	4668949	115.36	ug/l	95
83) 1,3-Dichlorobenzene	13.28	146	2396164	126.07	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	2311241	132.14	ug/l	99
85) n-Butylbenzene	13.62	91	3677596	125.12	ug/l	94
86) Hexachloroethane	13.87	117	808232	116.89	ug/l	93
87) 1,2-Dichlorobenzene	13.65	146	2291897	122.61	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	152604	113.43	ug/l #	67
89) 1,2,4-Trichlorobenzene	14.91	180	1201253	159.92	ug/l	99
90) Hexachlorobutadiene	15.01	225	686990	107.58	ug/l	97
91) Naphthalene	15.13	128	2440720	161.76	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	1134001	148.06	ug/l	93

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

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