

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110118\
 Data File : VN052093.D
 Acq On : 1 Nov 2018 9:42
 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
 11/2/2018 9:21:09 AM

Quant Time: Nov 02 05:31:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:15:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	67507	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	394038	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	356410	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	141681	28.28	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.27%
60) 4-Bromofluorobenzene	12.40	95	172656	30.28	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.93%
63) Toluene-d8	10.09	98	492251	29.37	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.90%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	468576	103.927	ug/l 98
3) Chloromethane	2.06	50	507522	98.490	ug/l 98
4) Vinyl Chloride	2.19	62	491472	97.225	ug/l 96
5) Bromomethane	2.57	94	334195	96.857	ug/l 96
6) Chloroethane	2.71	64	304407	94.179	ug/l 100
7) Trichlorofluoromethane	3.02	101	653986	95.537	ug/l 97
8) Diethyl Ether	3.41	74	228643	98.924	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	389678	97.398	ug/l 97
10) 1,1-Dichloroethene	3.74	96	365104	97.799	ug/l 92
11) Methyl Iodide	3.96	142	566955	105.038	ug/l 99
12) Methyl Acetate	4.32	43	293973	90.644	ug/l 97
13) Acrolein	3.61	56	175281	520.001	ug/l 99
14) Acrylonitrile	4.99	53	678045	486.592	ug/l 100
15) Acetone	3.81	58	158466	481.161	ug/l 94
16) Carbon Disulfide	4.06	76	1115653	101.213	ug/l 100
17) Allyl chloride	4.33	41	652157	102.888	ug/l 99
18) Methylene Chloride	4.55	84	431747	93.697	ug/l 92
19) trans-1,2-Dichloroethene	5.05	96	407195	99.550	ug/l 94
20) Diisopropyl ether	5.95	45	1333131	96.734	ug/l 98
21) 1,1-Dichloroethane	5.85	63	761851	94.647	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	468554	98.097	ug/l 99
23) tert-Butyl Alcohol	4.78	59	111186m	505.741	ug/l
24) Methyl tert-Butyl Ether	5.05	73	1032614	97.568	ug/l 97
25) Chloroform	7.37	83	778875	96.366	ug/l 94
26) Cyclohexane	7.66	56	708803	98.230	ug/l # 98
29) 1,1-Dichloropropene	7.80	75	600191	95.940	ug/l 97
30) 2-Butanone	6.83	43	793363	476.207	ug/l # 77
31) 2,2-Dichloropropane	6.83	77	627028	97.250	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	690007	98.578	ug/l 97
33) Carbon Tetrachloride	7.78	117	615762	98.917	ug/l 97
34) Benzene	8.04	78	1760571	96.113	ug/l # 91
35) Methacrylonitrile	7.19	41	254532m	75.504	ug/l
36) 1,2-Dichloroethane	8.12	62	571901	93.379	ug/l 100
37) Trichloroethene	8.84	130	461580	100.679	ug/l 88
38) Methylcyclohexane	9.08	83	750062	98.286	ug/l 97
39) 1,2-Dichloropropane	9.12	63	461774	94.703	ug/l 94
40) Dibromomethane	9.21	93	287108	95.526	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	606568	98.637	ug/l	98
42) Vinyl Acetate	5.90	43	4823119	494.518	ug/l	99
43) Ethyl Acetate	6.83	43	793363	68.414	ug/l #	87
44) Isopropyl Acetate	8.17	43	669979	96.649	ug/l #	82
45) 1,4-Dioxane	9.20	88	62377	1972.508	ug/l #	79
46) Methyl methacrylate	9.20	41	332272	96.294	ug/l	99
47) n-amyl Acetate	12.07	43	633486	100.737	ug/l #	100
48) t-1,3-Dichloropropene	10.38	75	627370	102.740	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	715004	101.447	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	386618	97.278	ug/l	97
51) Ethyl methacrylate	10.43	69	517836	100.815	ug/l	99
52) 1,3-Dichloropropane	10.71	76	671328	96.973	ug/l	99
53) Dibromochloromethane	10.90	129	454008	105.814	ug/l	99
54) 1,2-Dibromoethane	11.01	107	404252	100.305	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	1375910	489.175	ug/l	99
56) Bromoform	12.13	173	266448	107.520	ug/l	97
58) 4-Methyl-2-Pentanone	9.99	43	1823927	477.578	ug/l	99
59) 2-Hexanone	10.75	43	1261472	479.721	ug/l	98
61) Tetrachloroethene	10.63	164	388525	100.234	ug/l	95
62) Toluene	10.16	91	1969327	98.430	ug/l	98
64) Chlorobenzene	11.43	112	1265951	99.836	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	435131	100.822	ug/l	98
66) Ethyl Benzene	11.51	91	2163395	100.104	ug/l	100
67) m/p-Xylenes	11.62	106	1668819	200.571	ug/l	97
68) o-Xylene	11.95	106	807957	101.852	ug/l	95
69) Styrene	11.96	104	1305720	102.146	ug/l	98
70) Isopropylbenzene	12.25	105	2143214	100.644	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	446948	95.421	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	410401m	105.371	ug/l	
73) Bromobenzene	12.53	156	492761	104.429	ug/l	90
74) n-propylbenzene	12.59	91	2476976	99.885	ug/l	98
75) 2-Chlorotoluene	12.68	91	1408220	98.499	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	1712801	100.307	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	144514	112.148	ug/l	87
78) 4-Chlorotoluene	12.77	91	1453359	100.947	ug/l	98
79) tert-butylbenzene	12.99	119	1489023	100.105	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	1730275	101.714	ug/l	99
81) sec-Butylbenzene	13.17	105	2078043	101.515	ug/l	99
82) p-Isopropyltoluene	13.29	119	1781132	102.959	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	861607	103.231	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	863004	104.448	ug/l	97
85) n-Butylbenzene	13.62	91	1548266	103.406	ug/l	99
86) Hexachloroethane	13.88	117	313674	107.448	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	815511	102.840	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	64054	100.009	ug/l #	88
89) 1,2,4-Trichlorobenzene	14.91	180	351807	109.291	ug/l	97
90) Hexachlorobutadiene	15.01	225	176864	100.427	ug/l	97
91) Naphthalene	15.13	128	820773	110.623	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	299449	106.737	ug/l	98

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

