

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112618\
 Data File : VN052458.D
 Acq On : 26 Nov 2018 14:13
 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
 11/27/2018 3:52:11 PM

Quant Time: Nov 27 00:46:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:15:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	172573	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1012957	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	909002	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	355050	30.19	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.63%
60) 4-Bromofluorobenzene	12.40	95	432902	31.13	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.77%
63) Toluene-d8	10.09	98	1253465	29.74	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.13%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	993535	101.09	ug/l	100
3) Chloromethane	2.06	50	1329201	101.97	ug/l	99
4) Vinyl Chloride	2.19	62	1350267	102.64	ug/l	98
5) Bromomethane	2.57	94	763698	101.81	ug/l	98
6) Chloroethane	2.71	64	796412	101.80	ug/l	99
7) Trichlorofluoromethane	3.02	101	1633037	100.58	ug/l	99
8) Diethyl Ether	3.41	74	611644	102.02	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	1019988	99.10	ug/l	99
10) 1,1-Dichloroethene	3.74	96	994534	102.77	ug/l	99
11) Methyl Iodide	3.96	142	1479980	110.15	ug/l	99
12) Methyl Acetate	4.32	43	833518	101.37	ug/l	99
13) Acrolein	3.61	56	502799	520.56	ug/l	100
14) Acrylonitrile	4.99	53	1797330	513.01	ug/l	98
15) Acetone	3.81	58	431811	475.91	ug/l	96
16) Carbon Disulfide	4.06	76	3139619	102.47	ug/l	100
17) Allyl chloride	4.33	41	1809939	107.24	ug/l	99
18) Methylene Chloride	4.55	84	1122729	100.20	ug/l	99
19) trans-1,2-Dichloroethene	5.05	96	1065420	102.30	ug/l	98
20) Diisopropyl ether	5.95	45	3660048	103.20	ug/l	97
21) 1,1-Dichloroethane	5.85	63	2075095	102.65	ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	1223307	102.49	ug/l	99
23) tert-Butyl Alcohol	4.78	59	256609	492.36	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	2633439	103.73	ug/l	98
25) Chloroform	7.37	83	1969686	101.00	ug/l	99
26) Cyclohexane	7.65	56	1961192	102.86	ug/l #	99
29) 1,1-Dichloropropene	7.79	75	1590898	102.85	ug/l	100
30) 2-Butanone	6.83	43	2060713	497.85	ug/l	100
31) 2,2-Dichloropropane	6.83	77	1473193	103.45	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	1641953	102.01	ug/l	98
33) Carbon Tetrachloride	7.78	117	1449536	102.92	ug/l	99
34) Benzene	8.04	78	4715392	101.39	ug/l #	92
35) Methacrylonitrile	7.17	41	542151	75.89	ug/l	98
36) 1,2-Dichloroethane	8.12	62	1409490	100.01	ug/l	100
37) Trichloroethene	8.84	130	1187763	100.71	ug/l	99
38) Methylcyclohexane	9.08	83	1951439	101.91	ug/l	98
39) 1,2-Dichloropropane	9.12	63	1261245	101.17	ug/l	97
40) Dibromomethane	9.21	93	687552	102.06	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	1520238	102.14	ug/l	99
42) Vinyl Acetate	5.90	43	11777849	525.90	ug/l	99
43) Ethyl Acetate	6.93	43	902910	49.04	ug/l #	67
44) Isopropyl Acetate	8.16	43	1618568	104.85	ug/l #	79
45) 1,4-Dioxane	9.20	88	166156	1967.58	ug/l	95
46) Methyl methacrylate	9.20	41	852160	106.32	ug/l	99
47) n-amyl Acetate	12.07	43	1439207	112.45	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	1560121	108.10	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	1856137	105.56	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	972506	101.84	ug/l	99
51) Ethyl methacrylate	10.43	69	1292156	107.74	ug/l	98
52) 1,3-Dichloropropane	10.71	76	1736786	102.18	ug/l	99
53) Dibromochloromethane	10.90	129	1098805	104.51	ug/l	98
54) 1,2-Dibromoethane	11.01	107	975295	104.52	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	3751795	534.40	ug/l	100
56) Bromoform	12.13	173	731217	106.40	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	4494646	510.03	ug/l	99
59) 2-Hexanone	10.75	43	3078987	511.46	ug/l	99
61) Tetrachloroethene	10.63	164	1106312	98.82	ug/l	99
62) Toluene	10.16	91	5040062	100.58	ug/l	99
64) Chlorobenzene	11.44	112	3122729	102.10	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	1092460	102.90	ug/l	99
66) Ethyl Benzene	11.51	91	5596140	103.62	ug/l	99
67) m/p-Xylenes	11.62	106	4159865	206.74	ug/l	100
68) o-Xylene	11.95	106	2018676	103.37	ug/l	99
69) Styrene	11.97	104	3346597	106.17	ug/l	100
70) Isopropylbenzene	12.25	105	5409942	104.12	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	1156142	102.28	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	1010616m	107.07	ug/l	
73) Bromobenzene	12.53	156	1325194	105.45	ug/l	98
74) n-propylbenzene	12.59	91	6350877	104.90	ug/l	99
75) 2-Chlorotoluene	12.68	91	3650058	103.87	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	4342623	103.47	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	339442	110.74	ug/l	95
78) 4-Chlorotoluene	12.77	91	3706881	105.63	ug/l	100
79) tert-butylbenzene	12.99	119	3815274	104.38	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	4416058	105.16	ug/l	100
81) sec-Butylbenzene	13.17	105	5312927	104.36	ug/l	100
82) p-Isopropyltoluene	13.29	119	4592538	105.94	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	2356702	106.63	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	2303577	107.87	ug/l	99
85) n-Butylbenzene	13.62	91	4055236	108.90	ug/l	99
86) Hexachloroethane	13.88	117	782363	106.51	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	2208415	105.00	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	171400	108.26	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	1207062	116.48	ug/l	100
90) Hexachlorobutadiene	15.01	225	685624	100.86	ug/l	100
91) Naphthalene	15.14	128	2440448	116.62	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	1076288	112.70	ug/l	98

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

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