

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112718\
 Data File : VN052504.D
 Acq On : 28 Nov 2018 3:25
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 41 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 11/28/2018 9:32:40 AM

Quant Time: Nov 28 07:41:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	173294	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	996037	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	871146	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	351377	29.76	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.20%
60) 4-Bromofluorobenzene	12.40	95	396270	29.75	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.17%
63) Toluene-d8	10.09	98	1215235	30.09	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	189190	19.17	ug/l	99
3) Chloromethane	2.06	50	258939	19.78	ug/l	100
4) Vinyl Chloride	2.19	62	267559	20.25	ug/l	100
5) Bromomethane	2.58	94	150310	19.95	ug/l	97
6) Chloroethane	2.71	64	159046	20.24	ug/l	97
7) Trichlorofluoromethane	3.02	101	322047	19.75	ug/l	100
8) Diethyl Ether	3.41	74	122538	20.35	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.76	101	198889	19.24	ug/l	97
10) 1,1-Dichloroethene	3.74	96	194698	20.03	ug/l	98
11) Methyl Iodide	3.96	142	266841	19.78	ug/l	98
12) Methyl Acetate	4.33	43	165276	20.02	ug/l	98
13) Acrolein	3.61	56	90310	93.11	ug/l	99
14) Acrylonitrile	4.99	53	352842	100.29	ug/l	98
15) Acetone	3.82	58	77319	84.86	ug/l	99
16) Carbon Disulfide	4.06	76	567520	18.45	ug/l	100
17) Allyl chloride	4.33	41	327788	19.34	ug/l	98
18) Methylene Chloride	4.55	84	226391	20.12	ug/l	96
19) trans-1,2-Dichloroethene	5.05	96	210395	20.12	ug/l	93
20) Diisopropyl ether	5.95	45	707658	19.87	ug/l	99
21) 1,1-Dichloroethane	5.85	63	405495	19.98	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	241599	20.16	ug/l	97
23) tert-Butyl Alcohol	4.78	59	57813	110.46	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	532193	20.88	ug/l	98
25) Chloroform	7.37	83	404909	20.68	ug/l	98
26) Cyclohexane	7.65	56	363267	18.97	ug/l #	99
29) 1,1-Dichloropropene	7.79	75	300100	19.73	ug/l	99
30) 2-Butanone	6.84	43	392294	96.38	ug/l	100
31) 2,2-Dichloropropane	6.83	77	231160	16.51	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	318674	20.13	ug/l	99
33) Carbon Tetrachloride	7.78	117	276816	19.99	ug/l	99
34) Benzene	8.04	78	926883	20.27	ug/l	98
35) Methacrylonitrile	7.18	41	109168	21.62	ug/l	89
36) 1,2-Dichloroethane	8.12	62	285070	20.57	ug/l	100
37) Trichloroethene	8.83	130	232756	20.07	ug/l	97
38) Methylcyclohexane	9.08	83	357429	18.98	ug/l	98
39) 1,2-Dichloropropane	9.12	63	243726	19.88	ug/l	99
40) Dibromomethane	9.21	93	139752	21.10	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	292886	20.01	ug/l	97
42) Vinyl Acetate	5.90	43	2158729	98.03	ug/l	99
43) Ethyl Acetate	6.93	43	177521	20.51	ug/l #	70
44) Isopropyl Acetate	8.16	43	316542	20.85	ug/l	96
45) 1,4-Dioxane	9.20	88	37120	447.03	ug/l	93
46) Methyl methacrylate	9.20	41	160324	20.34	ug/l	98
47) n-amyl Acetate	12.07	43	243072	19.31	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	269668	19.00	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	328774	19.02	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	196663	20.94	ug/l	100
51) Ethyl methacrylate	10.43	69	239442	20.30	ug/l	98
52) 1,3-Dichloropropane	10.71	76	340034	20.34	ug/l	100
53) Dibromochloromethane	10.90	129	206563	19.98	ug/l	98
54) 1,2-Dibromoethane	11.01	107	192273	20.95	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	641840	92.98	ug/l	99
56) Bromoform	12.13	173	134838	19.95	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	892724	105.70	ug/l	99
59) 2-Hexanone	10.75	43	572783	99.28	ug/l	99
61) Tetrachloroethene	10.63	164	231741	21.60	ug/l	97
62) Toluene	10.16	91	980629	20.42	ug/l	99
64) Chlorobenzene	11.44	112	596213	20.34	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	208224	20.47	ug/l	98
66) Ethyl Benzene	11.51	91	1044305	20.18	ug/l	99
67) m/p-Xylenes	11.62	106	787738	40.85	ug/l	100
68) o-Xylene	11.95	106	387101	20.68	ug/l	100
69) Styrene	11.96	104	612608	20.28	ug/l	100
70) Isopropylbenzene	12.25	105	1021109	20.51	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	227922	21.04	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	205558m	22.11	ug/l	
73) Bromobenzene	12.53	156	247605	20.56	ug/l	97
74) n-propylbenzene	12.59	91	1144012	19.72	ug/l	99
75) 2-Chlorotoluene	12.68	91	683486	20.29	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	824446	20.50	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	51274	17.46	ug/l	94
78) 4-Chlorotoluene	12.77	91	682036	20.28	ug/l	99
79) tert-butylbenzene	12.99	119	728835	20.81	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	824447	20.48	ug/l	100
81) sec-Butylbenzene	13.17	105	978282	20.05	ug/l	100
82) p-Isopropyltoluene	13.29	119	830155	19.98	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	423693	20.00	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	409451	20.01	ug/l	99
85) n-Butylbenzene	13.62	91	652992	18.30	ug/l	99
86) Hexachloroethane	13.88	117	136762	19.43	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	417768	20.73	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	30865	20.34	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	187784	18.91	ug/l	99
90) Hexachlorobutadiene	15.01	225	129674	19.90	ug/l	99
91) Naphthalene	15.13	128	385200	19.21	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	178527	19.51	ug/l	99

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

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