

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110118\
 Data File : VN052095.D
 Acq On : 1 Nov 2018 11:15
 Operator : MD\SY
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN110118

Manual Integrations
 APPROVED

MMDadoda
 11/2/2018 9:21:17 AM

Quant Time: Nov 02 05:47:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:39:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	66219	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	390686	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	345124	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	147803	30.07	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.23%
60) 4-Bromofluorobenzene	12.40	95	169516	30.70	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.33%
63) Toluene-d8	10.09	98	493371	30.40	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.33%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	97293	21.999 ug/l	98
3) Chloromethane	2.06	50	104743	20.722 ug/l	95
4) Vinyl Chloride	2.19	62	101584	20.487 ug/l	96
5) Bromomethane	2.56	94	76702	22.662 ug/l	98
6) Chloroethane	2.71	64	63105	19.903 ug/l	99
7) Trichlorofluoromethane	3.02	101	142334	21.197 ug/l	95
8) Diethyl Ether	3.41	74	50816	22.414 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	84109	21.432 ug/l	95
10) 1,1-Dichloroethene	3.74	96	77269	21.100 ug/l	88
11) Methyl Iodide	3.96	142	100747	19.028 ug/l	94
12) Methyl Acetate	4.33	43	61166	19.844 ug/l #	90
13) Acrolein	3.60	56	28358	86.740 ug/l	98
14) Acrylonitrile	4.99	53	135859	99.393 ug/l	72
15) Acetone	3.82	58	29426	91.086 ug/l	76
16) Carbon Disulfide	4.06	76	214099	19.801 ug/l	100
17) Allyl chloride	4.33	41	122500	19.702 ug/l	98
18) Methylene Chloride	4.55	84	89167	19.727 ug/l	97
19) trans-1,2-Dichloroethene	5.04	96	87480	21.803 ug/l	94
20) Diisopropyl ether	5.95	45	274764	20.336 ug/l	95
21) 1,1-Dichloroethane	5.85	63	158377	20.058 ug/l	97
22) cis-1,2-Dichloroethene	6.83	96	93302	19.914 ug/l	98
23) tert-Butyl Alcohol	4.77	59	17240m	80.950 ug/l	
24) Methyl tert-Butyl Ether	5.04	73	220692m	21.258 ug/l	
25) Chloroform	7.37	83	161771	20.404 ug/l	100
26) Cyclohexane	7.65	56	144291	20.386 ug/l #	98
29) 1,1-Dichloropropene	7.79	75	122679	19.778 ug/l	98
30) 2-Butanone	6.84	43	157048	95.075 ug/l #	76
31) 2,2-Dichloropropane	6.82	77	128355	20.089 ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	135849	19.575 ug/l	97
33) Carbon Tetrachloride	7.78	117	119299	19.329 ug/l	98
34) Benzene	8.04	78	358047	19.714 ug/l	99
35) Methacrylonitrile	7.17	41	27455	12.118 ug/l #	63
36) 1,2-Dichloroethane	8.12	62	118057	19.441 ug/l	100
37) Trichloroethene	8.84	130	90649	19.942 ug/l	95
38) Methylcyclohexane	9.08	83	153716	20.315 ug/l	98
39) 1,2-Dichloropropane	9.12	63	93620	19.365 ug/l	90
40) Dibromomethane	9.21	93	58236	19.542 ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	115048	18.869	ug/l	96
42) Vinyl Acetate	5.90	43	952842	98.534	ug/l	99
43) Ethyl Acetate	6.84	43	157048	18.918	ug/l #	86
44) Isopropyl Acetate	8.16	43	134282	19.537	ug/l #	87
45) 1,4-Dioxane	9.20	88	9066	289.148	ug/l #	71
46) Methyl methacrylate	9.20	41	70956	20.740	ug/l	94
47) n-amyl Acetate	12.07	43	121394	19.485	ug/l #	100
48) t-1,3-Dichloropropene	10.38	75	117710	19.442	ug/l	96
49) cis-1,3-Dichloropropene	9.84	75	135718	19.421	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	75973	19.280	ug/l	93
51) Ethyl methacrylate	10.43	69	98033	19.249	ug/l	97
52) 1,3-Dichloropropane	10.71	76	136803	19.931	ug/l	99
53) Dibromochloromethane	10.90	129	82581	19.412	ug/l	96
54) 1,2-Dibromoethane	11.01	107	77452	19.383	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	292565	104.908	ug/l	99
56) Bromoform	12.13	173	44441	18.087	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	362075	97.906	ug/l	99
59) 2-Hexanone	10.75	43	254309	99.873	ug/l	99
61) Tetrachloroethene	10.63	164	74456	19.837	ug/l	99
62) Toluene	10.16	91	390842	20.174	ug/l	98
64) Chlorobenzene	11.43	112	243174	19.804	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	81673	19.543	ug/l	98
66) Ethyl Benzene	11.51	91	414298	19.797	ug/l	99
67) m/p-Xylenes	11.62	106	329924	40.949	ug/l	97
68) o-Xylene	11.95	106	159786	20.802	ug/l	95
69) Styrene	11.96	104	252044	20.362	ug/l	99
70) Isopropylbenzene	12.25	105	420529	20.394	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	91994	20.283	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	85859m	21.530	ug/l	
73) Bromobenzene	12.53	156	96192	21.052	ug/l	91
74) n-propylbenzene	12.59	91	488077	20.326	ug/l	99
75) 2-Chlorotoluene	12.67	91	291235	21.037	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	346026	20.927	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	21841	17.504	ug/l	98
78) 4-Chlorotoluene	12.77	91	292096	20.952	ug/l	100
79) tert-butylbenzene	12.99	119	310083	21.528	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	355836	21.602	ug/l	100
81) sec-Butylbenzene	13.17	105	423750	21.378	ug/l	100
82) p-Isopropyltoluene	13.29	119	360200	21.502	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	172279	21.316	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	168328	21.039	ug/l	97
85) n-Butylbenzene	13.62	91	315743	21.778	ug/l	99
86) Hexachloroethane	13.87	117	54063	19.125	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	162303	21.137	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	11718	18.894	ug/l	90
89) 1,2,4-Trichlorobenzene	14.91	180	70584	22.644	ug/l	96
90) Hexachlorobutadiene	15.01	225	40952	24.014	ug/l	93
91) Naphthalene	15.13	128	152001	21.156	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	57254	21.075	ug/l	99

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

