

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082818\
 Data File : VN050908.D
 Acq On : 28 Aug 2018 12:25
 Operator : MD\SY
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 8/29/2018 11:09:51 AM

Quant Time: Aug 29 01:34:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:19:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	118870	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	628750	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	559091	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	227835	30.04	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.13%
60) 4-Bromofluorobenzene	12.40	95	247739	29.80	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.33%
63) Toluene-d8	10.09	98	796535	30.55	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.83%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	158094	21.42	ug/l	100
3) Chloromethane	2.06	50	183321	21.03	ug/l	100
4) Vinyl Chloride	2.18	62	177619	20.62	ug/l	100
5) Bromomethane	2.56	94	100926	19.22	ug/l	100
6) Chloroethane	2.70	64	102967	20.27	ug/l	100
7) Trichlorofluoromethane	3.01	101	231959	20.31	ug/l	100
8) Diethyl Ether	3.41	74	78140	19.41	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	143165	20.25	ug/l	100
10) 1,1-Dichloroethene	3.73	96	128292	19.97	ug/l	100
11) Methyl Iodide	3.95	142	101444	16.93	ug/l	100
12) Methyl Acetate	4.33	43	147429	19.85	ug/l	100
13) Acrolein	3.61	56	13502	82.10	ug/l	100
14) Acrylonitrile	5.00	53	243652	97.03	ug/l	100
15) Acetone	3.82	58	60028	93.42	ug/l	100
16) Carbon Disulfide	4.05	76	383105	19.84	ug/l	100
17) Allyl chloride	4.32	41	194113	19.21	ug/l	100
18) Methylene Chloride	4.55	84	152673	20.25	ug/l	100
19) trans-1,2-Dichloroethene	5.04	96	135697	19.83	ug/l	100
20) Diisopropyl ether	5.96	45	428846	20.44	ug/l	100
21) 1,1-Dichloroethane	5.85	63	260077	20.22	ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	153666	19.88	ug/l	100
23) tert-Butyl Alcohol	4.79	59	50998	95.49	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	340532	19.38	ug/l	100
25) Chloroform	7.37	83	260419	20.29	ug/l	100
26) Cyclohexane	7.66	56	205631	19.30	ug/l	100
29) 1,1-Dichloropropene	7.80	75	189227	20.10	ug/l	100
30) 2-Butanone	6.84	43	271064	93.61	ug/l	100
31) 2,2-Dichloropropane	6.83	77	178787	19.52	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	217959	20.42	ug/l	100
33) Carbon Tetrachloride	7.78	117	195668	20.36	ug/l	100
34) Benzene	8.04	78	593543	20.38	ug/l	100
35) Methacrylonitrile	7.18	41	68461	21.58	ug/l	100
36) 1,2-Dichloroethane	8.13	62	181693	20.63	ug/l	100
37) Trichloroethene	8.84	130	151625	19.92	ug/l	100
38) Methylcyclohexane	9.08	83	192322	19.02	ug/l	100
39) 1,2-Dichloropropane	9.12	63	156624	20.59	ug/l	100
40) Dibromomethane	9.21	93	93020	20.30	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	195521	20.25	ug/l	100
42) Vinyl Acetate	5.90	43	1322094	99.12	ug/l	100
43) Ethyl Acetate	6.93	43	122757	20.69	ug/l	100
44) Isopropyl Acetate	8.17	43	208571	19.93	ug/l	100
45) 1,4-Dioxane	9.20	88	31945	410.83	ug/l	100
46) Methyl methacrylate	9.20	41	100768	19.22	ug/l	100
47) n-amyl Acetate	12.07	43	156142	18.55	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	181536	19.18	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	212974	19.58	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	137541	20.66	ug/l	100
51) Ethyl methacrylate	10.43	69	151287	18.58	ug/l	100
52) 1,3-Dichloropropane	10.71	76	223930	20.31	ug/l	100
53) Dibromochloromethane	10.90	129	149532	19.76	ug/l	100
54) 1,2-Dibromoethane	11.01	107	130986	19.90	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	321419	94.85	ug/l	100
56) Bromoform	12.13	173	105353	19.57	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	619816	96.89	ug/l	100
59) 2-Hexanone	10.75	43	391198	93.56	ug/l	100
61) Tetrachloroethene	10.63	164	141507	20.31	ug/l	100
62) Toluene	10.16	91	633905	20.32	ug/l	100
64) Chlorobenzene	11.44	112	385600	19.95	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	146569	20.08	ug/l	100
66) Ethyl Benzene	11.51	91	630732	19.52	ug/l	100
67) m/p-Xylenes	11.62	106	500739	40.28	ug/l	100
68) o-Xylene	11.95	106	237076	19.96	ug/l	100
69) Styrene	11.97	104	375555	19.89	ug/l	100
70) Isopropylbenzene	12.25	105	637488	20.20	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	174071	20.37	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	149010m	20.27	ug/l	
73) Bromobenzene	12.53	156	164541	19.81	ug/l	100
74) n-propylbenzene	12.59	91	713538	20.00	ug/l	100
75) 2-Chlorotoluene	12.68	91	434572	20.05	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	523040	20.28	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	38088	18.13	ug/l	100
78) 4-Chlorotoluene	12.77	91	427092	20.01	ug/l	100
79) tert-butylbenzene	12.99	119	450503	20.11	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	526432	20.47	ug/l	100
81) sec-Butylbenzene	13.17	105	583322	19.90	ug/l	100
82) p-Isopropyltoluene	13.29	119	503016	19.88	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	277676	19.78	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	262318	19.72	ug/l	100
85) n-Butylbenzene	13.62	91	360715	18.69	ug/l	100
86) Hexachloroethane	13.88	117	94836	19.53	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	279455	20.22	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	24462	20.46	ug/l	100
89) 1,2,4-Trichlorobenzene	14.91	180	103838	16.88	ug/l	100
90) Hexachlorobutadiene	15.01	225	82845	19.82	ug/l	100
91) Naphthalene	15.14	128	204956	15.54	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	110757	17.94	ug/l	100

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

