

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112618\
 Data File : VN052456.D
 Acq On : 26 Nov 2018 13:20
 Operator : MD\SY
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 11/27/2018 3:52:10 PM

Quant Time: Nov 27 00:42:14 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	172229	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1000035	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	874149	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	352883	30.07	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.23%
60) 4-Bromofluorobenzene	12.40	95	399868	29.90	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.67%
63) Toluene-d8	10.09	98	1230565	30.36	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	202577	20.65	ug/l	100
3) Chloromethane	2.06	50	261742	20.12	ug/l	100
4) Vinyl Chloride	2.19	62	263818	20.09	ug/l	100
5) Bromomethane	2.58	94	148229	19.80	ug/l	100
6) Chloroethane	2.71	64	158533	20.30	ug/l	100
7) Trichlorofluoromethane	3.02	101	323702	19.98	ug/l	100
8) Diethyl Ether	3.41	74	116577	19.48	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	212328	20.67	ug/l	100
10) 1,1-Dichloroethene	3.74	96	191895	19.87	ug/l	100
11) Methyl Iodide	3.96	142	258663	19.29	ug/l	100
12) Methyl Acetate	4.33	43	165356	20.15	ug/l	100
13) Acrolein	3.61	56	89242	92.58	ug/l	100
14) Acrylonitrile	4.99	53	359199	102.73	ug/l	100
15) Acetone	3.82	58	98535	108.82	ug/l	100
16) Carbon Disulfide	4.06	76	607954	19.88	ug/l	100
17) Allyl chloride	4.33	41	339449	20.15	ug/l	100
18) Methylene Chloride	4.55	84	222270	19.88	ug/l	100
19) trans-1,2-Dichloroethene	5.05	96	205729	19.79	ug/l	100
20) Diisopropyl ether	5.95	45	712977	20.14	ug/l	100
21) 1,1-Dichloroethane	5.85	63	401438	19.90	ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	239058	20.07	ug/l	100
23) tert-Butyl Alcohol	4.78	59	53376	102.62	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	507166	20.02	ug/l	100
25) Chloroform	7.37	83	389159	19.99	ug/l	100
26) Cyclohexane	7.65	56	383362	20.15	ug/l	100
29) 1,1-Dichloropropene	7.79	75	305518	20.01	ug/l	100
30) 2-Butanone	6.84	43	418889	102.51	ug/l	100
31) 2,2-Dichloropropane	6.83	77	274780	19.54	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	313353	19.72	ug/l	100
33) Carbon Tetrachloride	7.77	117	275465	19.81	ug/l	100
34) Benzene	8.04	78	920024	20.04	ug/l	100
35) Methacrylonitrile	7.17	41	102483	14.53	ug/l	100
36) 1,2-Dichloroethane	8.12	62	277346	19.93	ug/l	100
37) Trichloroethene	8.84	130	230525	19.80	ug/l	100
38) Methylcyclohexane	9.08	83	383258	20.27	ug/l	100
39) 1,2-Dichloropropane	9.12	63	245069	19.91	ug/l	100
40) Dibromomethane	9.21	93	132859	19.98	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	288403	19.63	ug/l	100
42) Vinyl Acetate	5.90	43	2180413	98.62	ug/l	100
43) Ethyl Acetate	6.93	43	179326	9.86	ug/l #	73
44) Isopropyl Acetate	8.16	43	298442	19.58	ug/l	100
45) 1,4-Dioxane	9.20	88	34152	409.65	ug/l	100
46) Methyl methacrylate	9.20	41	155582	19.66	ug/l	100
47) n-amyl Acetate	12.07	43	238123	18.85	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	269135	18.89	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	339039	19.53	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	191943	20.36	ug/l	100
51) Ethyl methacrylate	10.43	69	227194	19.19	ug/l	100
52) 1,3-Dichloropropane	10.71	76	337016	20.08	ug/l	100
53) Dibromochloromethane	10.90	129	205862	19.83	ug/l	100
54) 1,2-Dibromoethane	11.01	107	182486	19.81	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	700257	101.03	ug/l	100
56) Bromoform	12.13	173	131980	19.45	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	875252	103.28	ug/l	100
59) 2-Hexanone	10.75	43	601610	103.92	ug/l	100
61) Tetrachloroethene	10.63	164	221218	20.55	ug/l	100
62) Toluene	10.16	91	976075	20.26	ug/l	100
64) Chlorobenzene	11.44	112	587610	19.98	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	201288	19.72	ug/l	100
66) Ethyl Benzene	11.51	91	1041645	20.06	ug/l	100
67) m/p-Xylenes	11.62	106	784477	40.54	ug/l	100
68) o-Xylene	11.95	106	376998	20.07	ug/l	100
69) Styrene	11.97	104	608624	20.08	ug/l	100
70) Isopropylbenzene	12.25	105	1006467	20.14	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	222989	20.51	ug/l	100
72) 1,2,3-Trichloropropane	12.56	75	178263m	19.64	ug/l	
73) Bromobenzene	12.53	156	239800	19.84	ug/l	100
74) n-propylbenzene	12.59	91	1181733	20.30	ug/l	100
75) 2-Chlorotoluene	12.68	91	685561	20.29	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	821831	20.36	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	55777	18.92	ug/l	100
78) 4-Chlorotoluene	12.78	91	679943	20.15	ug/l	100
79) tert-butylbenzene	12.99	119	715863	20.37	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	827858	20.50	ug/l	100
81) sec-Butylbenzene	13.17	105	993926	20.30	ug/l	100
82) p-Isopropyltoluene	13.29	119	839978	20.15	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	424097	19.95	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	409391	19.94	ug/l	100
85) n-Butylbenzene	13.62	91	717772	20.04	ug/l	100
86) Hexachloroethane	13.88	117	139575	19.76	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	410102	20.28	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	29882	19.63	ug/l	100
89) 1,2,4-Trichlorobenzene	14.91	180	192201	19.29	ug/l	100
90) Hexachlorobutadiene	15.01	225	140006	21.42	ug/l	100
91) Naphthalene	15.14	128	387928	19.28	ug/l	100
92) 1,2,3-Trichlorobenzene	15.32	180	179755	19.57	ug/l	100

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

