

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100118\
 Data File : VN051626.D
 Acq On : 1 Oct 2018 10:18
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 10/2/2018 3:03:52 PM

Quant Time: Oct 02 01:06:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 01:07:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	107390	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	577512	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	495900	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	226917	30.35	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.17%
60) 4-Bromofluorobenzene	12.40	95	227074	29.78	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.27%
63) Toluene-d8	10.09	98	719846	30.77	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	195277	20.720	ug/l 100
3) Chloromethane	2.06	50	206570	19.587	ug/l 98
4) Vinyl Chloride	2.19	62	192879	18.643	ug/l 97
5) Bromomethane	2.57	94	98837	18.391	ug/l 98
6) Chloroethane	2.71	64	98800	19.036	ug/l 97
7) Trichlorofluoromethane	3.02	101	247933	19.614	ug/l 99
8) Diethyl Ether	3.41	74	75458	19.005	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	151452	21.196	ug/l 98
10) 1,1-Dichloroethene	3.74	96	128583	19.830	ug/l 93
11) Methyl Iodide	3.95	142	158058	18.936	ug/l 99
12) Methyl Acetate	4.33	43	108873	19.025	ug/l 98
13) Acrolein	3.61	56	49426	78.174	ug/l 97
14) Acrylonitrile	4.99	53	216139	94.307	ug/l 98
15) Acetone	3.82	58	60281	100.315	ug/l 97
16) Carbon Disulfide	4.05	76	399069	19.098	ug/l 100
17) Allyl chloride	4.33	41	218367	18.825	ug/l 97
18) Methylene Chloride	4.55	84	149856	20.102	ug/l 99
19) trans-1,2-Dichloroethene	5.05	96	133132	19.341	ug/l 98
20) Diisopropyl ether	5.95	45	458393	19.920	ug/l 99
21) 1,1-Dichloroethane	5.85	63	270390	19.826	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	144765	19.257	ug/l 97
23) tert-Butyl Alcohol	4.79	59	38782	88.463	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	325762	19.115	ug/l 99
25) Chloroform	7.37	83	267632	20.524	ug/l 99
26) Cyclohexane	7.65	56	229737	19.466	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	196183	19.922	ug/l 99
30) 2-Butanone	6.84	43	260720	97.276	ug/l 98
31) 2,2-Dichloropropane	6.82	77	214276	20.161	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	226240	20.447	ug/l 98
33) Carbon Tetrachloride	7.77	117	204152	20.529	ug/l 99
34) Benzene	8.04	78	589303	20.170	ug/l 99
35) Methacrylonitrile	7.18	41	54719	18.159	ug/l 100
36) 1,2-Dichloroethane	8.13	62	184882	19.852	ug/l 100
37) Trichloroethene	8.84	130	146665	19.552	ug/l 98
38) Methylcyclohexane	9.08	83	215245	18.942	ug/l 99
39) 1,2-Dichloropropane	9.12	63	162136	20.253	ug/l 98
40) Dibromomethane	9.21	93	88589	19.920	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	197851	20.382	ug/l	99
42) Vinyl Acetate	5.90	43	1419904	95.161	ug/l	100
43) Ethyl Acetate	6.93	43	110394	19.459	ug/l	99
44) Isopropyl Acetate	8.17	43	202237	18.206	ug/l	99
45) 1,4-Dioxane	9.20	88	23019	383.079	ug/l	96
46) Methyl methacrylate	9.20	41	96328	18.642	ug/l	98
47) n-amyl Acetate	12.07	43	142584	17.155	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	179931	18.571	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	223970	19.772	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	126578	20.141	ug/l	98
51) Ethyl methacrylate	10.43	69	136243	17.868	ug/l	99
52) 1,3-Dichloropropane	10.71	76	213437	19.807	ug/l	100
53) Dibromochloromethane	10.90	129	140596	19.642	ug/l	100
54) 1,2-Dibromoethane	11.01	107	115678	19.183	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	349599	92.758	ug/l	99
56) Bromoform	12.13	173	91939	19.357	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	554254	98.442	ug/l	100
59) 2-Hexanone	10.75	43	355734	96.041	ug/l	100
61) Tetrachloroethene	10.63	164	143805	20.482	ug/l	99
62) Toluene	10.16	91	615069	20.228	ug/l	100
64) Chlorobenzene	11.43	112	361029	19.637	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	142385	20.282	ug/l	98
66) Ethyl Benzene	11.51	91	598092	19.219	ug/l	100
67) m/p-Xylenes	11.62	106	477170	39.784	ug/l	98
68) o-Xylene	11.95	106	223259	19.500	ug/l	97
69) Styrene	11.96	104	350433	19.500	ug/l	99
70) Isopropylbenzene	12.25	105	606466	19.858	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	148315	20.072	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	121508m	19.234	ug/l	
73) Bromobenzene	12.53	156	147251	19.374	ug/l	97
74) n-propylbenzene	12.59	91	697724	19.624	ug/l	99
75) 2-Chlorotoluene	12.67	91	425462	20.040	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	511991	20.063	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	36854	18.420	ug/l	97
78) 4-Chlorotoluene	12.77	91	412076	19.649	ug/l	99
79) tert-butylbenzene	12.99	119	431409	19.513	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	505801	19.844	ug/l	99
81) sec-Butylbenzene	13.17	105	611033	20.007	ug/l	99
82) p-Isopropyltoluene	13.29	119	517618	19.830	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	261216	19.724	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	234968	18.874	ug/l	99
85) n-Butylbenzene	13.62	91	408677	19.075	ug/l	98
86) Hexachloroethane	13.87	117	104933	20.099	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	255698	19.737	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	20253	18.806	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	98384	16.225	ug/l	98
90) Hexachlorobutadiene	15.01	225	99060	20.038	ug/l	96
91) Naphthalene	15.13	128	157846	17.132	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	101059	16.571	ug/l	98

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

