

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112618\
 Data File : VN052460.D
 Acq On : 26 Nov 2018 15:42
 Operator : MD\SY
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112618

Manual Integrations
 APPROVED

MMDadoda
 11/27/2018 3:52:12 PM

Quant Time: Nov 27 01:02:09 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	171167	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1012723	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	879745	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	348477	29.88	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.60%
60) 4-Bromofluorobenzene	12.40	95	402578	29.93	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.77%
63) Toluene-d8	10.09	98	1238556	30.36	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	199909	20.51	ug/l	99
3) Chloromethane	2.06	50	262606	20.31	ug/l	99
4) Vinyl Chloride	2.19	62	267026	20.46	ug/l	97
5) Bromomethane	2.57	94	168883	22.70	ug/l	98
6) Chloroethane	2.71	64	161396	20.80	ug/l	100
7) Trichlorofluoromethane	3.02	101	334525	20.77	ug/l	97
8) Diethyl Ether	3.41	74	122103	20.53	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	211410	20.71	ug/l	97
10) 1,1-Dichloroethene	3.74	96	199521	20.79	ug/l	99
11) Methyl Iodide	3.96	142	236342	17.73	ug/l	99
12) Methyl Acetate	4.33	43	161172	19.76	ug/l	99
13) Acrolein	3.61	56	86191	89.97	ug/l	99
14) Acrylonitrile	4.98	53	339609	97.73	ug/l	99
15) Acetone	3.82	58	81895	91.00	ug/l	96
16) Carbon Disulfide	4.06	76	625759	20.59	ug/l	99
17) Allyl chloride	4.33	41	345627	20.65	ug/l	99
18) Methylene Chloride	4.55	84	228519	20.56	ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	214606	20.78	ug/l	97
20) Diisopropyl ether	5.95	45	715976	20.35	ug/l	98
21) 1,1-Dichloroethane	5.85	63	413867	20.64	ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	238923	20.18	ug/l	97
23) tert-Butyl Alcohol	4.78	59	40354	78.06	ug/l #	100
24) Methyl tert-Butyl Ether	5.04	73	510021	20.25	ug/l	98
25) Chloroform	7.37	83	397240	20.54	ug/l	99
26) Cyclohexane	7.65	56	393611	20.81	ug/l #	100
29) 1,1-Dichloropropene	7.79	75	315932	20.43	ug/l	100
30) 2-Butanone	6.83	43	380346	91.91	ug/l	100
31) 2,2-Dichloropropane	6.82	77	287883	20.22	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	318799	19.81	ug/l	98
33) Carbon Tetrachloride	7.77	117	283998	20.17	ug/l	98
34) Benzene	8.04	78	937216	20.16	ug/l	99
35) Methacrylonitrile	7.17	41	93856	18.28	ug/l	97
36) 1,2-Dichloroethane	8.12	62	277401	19.69	ug/l #	74
37) Trichloroethene	8.83	130	236293	20.04	ug/l	98
38) Methylcyclohexane	9.08	83	397444	20.76	ug/l	98
39) 1,2-Dichloropropane	9.12	63	247208	19.83	ug/l	96
40) Dibromomethane	9.21	93	135731	20.15	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	291871	19.61	ug/l	98
42) Vinyl Acetate	5.89	43	2196265	98.09	ug/l	99
43) Ethyl Acetate	6.93	43	167675	19.05	ug/l #	87
44) Isopropyl Acetate	8.16	43	299913	19.43	ug/l	99
45) 1,4-Dioxane	9.20	88	25154	297.94	ug/l	92
46) Methyl methacrylate	9.20	41	154573	19.29	ug/l	98
47) n-amyl Acetate	12.07	43	240677	18.81	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	282296	19.56	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	346950	19.74	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	187350	19.62	ug/l	99
51) Ethyl methacrylate	10.43	69	232648	19.40	ug/l	95
52) 1,3-Dichloropropane	10.71	76	328775	19.35	ug/l	100
53) Dibromochloromethane	10.90	129	204118	19.42	ug/l	95
54) 1,2-Dibromoethane	11.01	107	185837	19.92	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	674184	96.05	ug/l	100
56) Bromoform	12.13	173	131258	19.10	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	821313	96.30	ug/l	99
59) 2-Hexanone	10.75	43	553155	94.94	ug/l	99
61) Tetrachloroethene	10.63	164	223790	20.65	ug/l	98
62) Toluene	10.16	91	982532	20.26	ug/l	99
64) Chlorobenzene	11.43	112	607010	20.51	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	206459	20.09	ug/l	99
66) Ethyl Benzene	11.51	91	1062380	20.33	ug/l	99
67) m/p-Xylenes	11.62	106	806476	41.41	ug/l	98
68) o-Xylene	11.95	106	385151	20.38	ug/l	98
69) Styrene	11.96	104	621682	20.38	ug/l	100
70) Isopropylbenzene	12.25	105	1042972	20.74	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	214022	19.56	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	169859m	18.09	ug/l	
73) Bromobenzene	12.53	156	249327	20.50	ug/l	98
74) n-propylbenzene	12.59	91	1213377	20.71	ug/l	99
75) 2-Chlorotoluene	12.68	91	705534	20.74	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	856901	21.10	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	55977	18.87	ug/l	97
78) 4-Chlorotoluene	12.77	91	700830	20.63	ug/l	100
79) tert-butylbenzene	12.99	119	745396	21.07	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	852276	20.97	ug/l	99
81) sec-Butylbenzene	13.17	105	1033562	20.98	ug/l	100
82) p-Isopropyltoluene	13.29	119	882710	21.04	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	448102	20.95	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	430491	20.83	ug/l	99
85) n-Butylbenzene	13.62	91	752176	20.87	ug/l	100
86) Hexachloroethane	13.88	117	144395	20.31	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	422123	20.74	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	30017	19.59	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	208419	20.78	ug/l	98
90) Hexachlorobutadiene	15.01	225	156698	23.82	ug/l	100
91) Naphthalene	15.14	128	418795	20.68	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	194969	21.10	ug/l	97

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

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