

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112618\
 Data File : VN052457.D
 Acq On : 26 Nov 2018 13:46
 Operator : MD\SY
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

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

Quant Time: Nov 27 00:44:41 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	169240	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	985544	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	880360	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	347391	30.12	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.40%
60) 4-Bromofluorobenzene	12.40	95	406363	30.17	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.57%
63) Toluene-d8	10.09	98	1223327	29.97	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	484373	50.25	ug/l	100
3) Chloromethane	2.06	50	645426	50.49	ug/l	99
4) Vinyl Chloride	2.19	62	650165	50.39	ug/l	97
5) Bromomethane	2.58	94	361320	49.12	ug/l	98
6) Chloroethane	2.71	64	387528	50.51	ug/l	100
7) Trichlorofluoromethane	3.02	101	795926	49.99	ug/l	99
8) Diethyl Ether	3.41	74	293664	49.95	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	497035	49.24	ug/l	98
10) 1,1-Dichloroethene	3.74	96	476459	50.20	ug/l	97
11) Methyl Iodide	3.96	142	698920	53.04	ug/l	98
12) Methyl Acetate	4.33	43	399294	49.52	ug/l	98
13) Acrolein	3.61	56	232898	245.87	ug/l	100
14) Acrylonitrile	4.99	53	860241	250.37	ug/l	97
15) Acetone	3.82	58	221410	248.83	ug/l	99
16) Carbon Disulfide	4.06	76	1496707	49.81	ug/l	100
17) Allyl chloride	4.33	41	855563	51.69	ug/l	100
18) Methylene Chloride	4.55	84	549271	49.98	ug/l	98
19) trans-1,2-Dichloroethene	5.05	96	515801	50.50	ug/l	97
20) Diisopropyl ether	5.95	45	1759973	50.60	ug/l	99
21) 1,1-Dichloroethane	5.85	63	998982	50.39	ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	591189	50.51	ug/l	99
23) tert-Butyl Alcohol	4.78	59	125555	245.65	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	1243129	49.93	ug/l	99
25) Chloroform	7.37	83	959112	50.15	ug/l	99
26) Cyclohexane	7.65	56	951839	50.91	ug/l #	99
29) 1,1-Dichloropropene	7.80	75	761193	50.58	ug/l	99
30) 2-Butanone	6.83	43	1008350	250.38	ug/l	99
31) 2,2-Dichloropropane	6.83	77	696038	50.24	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	784832	50.12	ug/l	99
33) Carbon Tetrachloride	7.78	117	685689	50.04	ug/l	99
34) Benzene	8.04	78	2274824	50.27	ug/l #	94
35) Methacrylonitrile	7.18	41	249697	35.92	ug/l	97
36) 1,2-Dichloroethane	8.12	62	683911	49.88	ug/l	99
37) Trichloroethene	8.84	130	571116	49.77	ug/l	98
38) Methylcyclohexane	9.08	83	926837	49.75	ug/l	99
39) 1,2-Dichloropropane	9.12	63	613698	50.60	ug/l	98
40) Dibromomethane	9.21	93	326235	49.77	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	723955	49.99	ug/l	99
42) Vinyl Acetate	5.90	43	5471703	251.11	ug/l	99
43) Ethyl Acetate	6.93	43	422063	23.56	ug/l #	67
44) Isopropyl Acetate	8.16	43	754393	50.23	ug/l	99
45) 1,4-Dioxane	9.20	88	82843	1008.30	ug/l	96
46) Methyl methacrylate	9.20	41	389725	49.98	ug/l	98
47) n-amyl Acetate	12.07	43	637746	51.21	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	713621	50.82	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	858464	50.18	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	464213	49.96	ug/l	99
51) Ethyl methacrylate	10.43	69	591087	50.65	ug/l	99
52) 1,3-Dichloropropane	10.71	76	823639	49.80	ug/l	100
53) Dibromochloromethane	10.90	129	512777	50.13	ug/l	97
54) 1,2-Dibromoethane	11.01	107	456665	50.30	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	1731709	253.52	ug/l	100
56) Bromoform	12.13	173	336644	50.35	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	2130219	249.59	ug/l	99
59) 2-Hexanone	10.75	43	1462966	250.93	ug/l	100
61) Tetrachloroethene	10.63	164	533524	49.21	ug/l	98
62) Toluene	10.16	91	2410364	49.67	ug/l	100
64) Chlorobenzene	11.44	112	1476797	49.85	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	511545	49.75	ug/l	99
66) Ethyl Benzene	11.51	91	2630492	50.29	ug/l	100
67) m/p-Xylenes	11.62	106	1956723	100.41	ug/l	100
68) o-Xylene	11.95	106	944011	49.91	ug/l	99
69) Styrene	11.97	104	1551574	50.82	ug/l	100
70) Isopropylbenzene	12.25	105	2533997	50.35	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	546491	49.92	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	471109m	51.54	ug/l	
73) Bromobenzene	12.53	156	609822	50.10	ug/l	99
74) n-propylbenzene	12.59	91	2947111	50.26	ug/l	100
75) 2-Chlorotoluene	12.68	91	1706814	50.15	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	2045508	50.32	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	148331	49.97	ug/l	98
78) 4-Chlorotoluene	12.77	91	1722817	50.69	ug/l	100
79) tert-butylbenzene	12.99	119	1773332	50.10	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	2047530	50.34	ug/l	100
81) sec-Butylbenzene	13.17	105	2463669	49.97	ug/l	100
82) p-Isopropyltoluene	13.29	119	2113935	50.35	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	1081242	50.51	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	1053594	50.94	ug/l	99
85) n-Butylbenzene	13.62	91	1816571	50.37	ug/l	99
86) Hexachloroethane	13.88	117	354192	49.79	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	1029389	50.53	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	76246	49.72	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	522120	52.02	ug/l	99
90) Hexachlorobutadiene	15.01	225	316542	48.08	ug/l	99
91) Naphthalene	15.14	128	1056759	52.14	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	474362	51.29	ug/l	98

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

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