

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101818\
 Data File : VN051912.D
 Acq On : 18 Oct 2018 13:21
 Operator : MD\SY
 Sample : VN1018WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1018WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 4:37:54 PM

Quant Time: Oct 18 15:05:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	162172	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	937954	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	817387	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	295996	30.00	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.00%
60) 4-Bromofluorobenzene	12.40	95	335782	28.49	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.97%
63) Toluene-d8	10.09	98	1075235	30.29	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.97%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	137039	21.75	ug/l	98
3) Chloromethane	2.06	50	125054	18.78	ug/l	100
4) Vinyl Chloride	2.19	62	187523	18.86	ug/l	99
5) Bromomethane	2.57	94	165498	18.84	ug/l	91
6) Chloroethane	2.71	64	141137	19.69	ug/l	94
7) Trichlorofluoromethane	3.01	101	304197	21.46	ug/l	96
8) Diethyl Ether	3.41	74	83706	20.28	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	3.76	101	177132	21.94	ug/l #	41
10) 1,1-Dichloroethene	3.73	96	150377	20.14	ug/l	90
11) Methyl Iodide	3.95	142	199933	18.42	ug/l	94
12) Methyl Acetate	4.33	43	91480	19.73	ug/l	96
13) Acrolein	3.61	56	19695	64.47	ug/l #	46
14) Acrylonitrile	4.99	53	191934	92.62	ug/l #	61
15) Acetone	3.82	58	50045	97.70	ug/l	94
16) Carbon Disulfide	4.05	76	354149	18.06	ug/l	99
17) Allyl chloride	4.32	41	165911	18.72	ug/l	73
18) Methylene Chloride	4.55	84	168085	20.13	ug/l	89
19) trans-1,2-Dichloroethene	5.05	96	168734	19.79	ug/l	82
20) Diisopropyl ether	5.96	45	378378	19.17	ug/l #	83
21) 1,1-Dichloroethane	5.85	63	276189	20.02	ug/l	97
22) cis-1,2-Dichloroethene	6.83	96	200448	20.02	ug/l #	80
23) tert-Butyl Alcohol	4.79	59	42843	78.50	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	424581	19.74	ug/l #	69
25) Chloroform	7.37	83	330770	20.21	ug/l	99
26) Cyclohexane	7.65	56	222338	19.01	ug/l #	67
29) 1,1-Dichloropropene	7.79	75	230879	19.10	ug/l	94
30) 2-Butanone	6.84	43	219968	87.05	ug/l #	86
31) 2,2-Dichloropropane	6.82	77	263262	18.51	ug/l #	77
32) 1,1,1-Trichloroethane	7.57	97	308285	19.23	ug/l	94
33) Carbon Tetrachloride	7.77	117	273786	18.88	ug/l	93
34) Benzene	8.04	78	680041	19.02	ug/l #	66
35) Methacrylonitrile	7.17	41	46008	13.86	ug/l	81
36) 1,2-Dichloroethane	8.13	62	214901	18.75	ug/l	97
37) Trichloroethene	8.84	130	216316	19.48	ug/l	97
38) Methylcyclohexane	9.08	83	296304	19.11	ug/l	78
39) 1,2-Dichloropropane	9.12	63	160812	19.09	ug/l	99
40) Dibromomethane	9.21	93	117660	18.82	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	240848	18.65	ug/l	95
42) Vinyl Acetate	5.90	43	1257300	88.38	ug/l #	89
43) Ethyl Acetate	6.93	43	88854	16.19	ug/l	100
44) Isopropyl Acetate	8.17	43	193453	17.65	ug/l	96
45) 1,4-Dioxane	9.20	88	30063	341.61	ug/l #	75
46) Methyl methacrylate	9.20	41	85906	16.99	ug/l	64
47) n-amyl Acetate	12.07	43	135877	14.81	ug/l #	73
48) t-1,3-Dichloropropene	10.38	75	216107	17.16	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	249281	17.96	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	167180	19.36	ug/l	95
51) Ethyl methacrylate	10.43	69	171864	17.38	ug/l	83
52) 1,3-Dichloropropane	10.71	76	252395	18.94	ug/l	98
53) Dibromochloromethane	10.90	129	191289	17.90	ug/l	94
54) 1,2-Dibromoethane	11.01	107	166149	18.33	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	357876	84.67	ug/l #	92
56) Bromoform	12.13	173	111535	15.83	ug/l #	89
58) 4-Methyl-2-Pentanone	9.99	43	517905	94.68	ug/l #	87
59) 2-Hexanone	10.75	43	318764	86.38	ug/l #	89
61) Tetrachloroethene	10.63	164	220983	21.14	ug/l	97
62) Toluene	10.16	91	803892	19.80	ug/l	99
64) Chlorobenzene	11.43	112	517843	19.47	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.51	131	198627	19.46	ug/l	99
66) Ethyl Benzene	11.51	91	861930	19.21	ug/l	99
67) m/p-Xylenes	11.62	106	690533	37.95	ug/l	97
68) o-Xylene	11.95	106	340912	19.01	ug/l	90
69) Styrene	11.96	104	507197	18.43	ug/l	96
70) Isopropylbenzene	12.25	105	923672	19.31	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	179778	19.03	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	146733m	19.75	ug/l	
73) Bromobenzene	12.53	156	221266	18.68	ug/l	82
74) n-propylbenzene	12.59	91	975321	18.96	ug/l	95
75) 2-Chlorotoluene	12.67	91	576975	19.13	ug/l	93
76) 1,3,5-Trimethylbenzene	12.73	105	753526	19.05	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	35729	14.54	ug/l	98
78) 4-Chlorotoluene	12.77	91	546204	18.43	ug/l	91
79) tert-butylbenzene	12.99	119	696515	19.15	ug/l	96
80) 1,2,4-Trimethylbenzene	13.04	105	746795	18.89	ug/l	97
81) sec-Butylbenzene	13.17	105	911004	19.15	ug/l	97
82) p-Isopropyltoluene	13.29	119	787888	18.50	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	378708	18.12	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	344769	17.52	ug/l	98
85) n-Butylbenzene	13.62	91	575172	17.91	ug/l	95
86) Hexachloroethane	13.87	117	129936	17.70	ug/l	89
87) 1,2-Dichlorobenzene	13.65	146	371632	18.36	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	23205	16.45	ug/l #	70
89) 1,2,4-Trichlorobenzene	14.91	180	133009	17.68	ug/l	99
90) Hexachlorobutadiene	15.01	225	129441	19.85	ug/l	96
91) Naphthalene	15.13	128	243959	17.35	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	144340	15.68	ug/l	94

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

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