

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101218\
 Data File : VN051823.D
 Acq On : 12 Oct 2018 8:14
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/15/2018 11:27:47 AM

Quant Time: Oct 12 09:41:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 09:34:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	135983	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	761533	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	654238	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	257773	27.71	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	92.37%
60) 4-Bromofluorobenzene	12.40	95	252012	25.51	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	85.03%
63) Toluene-d8	10.09	98	888227	28.33	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	94.43%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	24334	3.68 ug/l	97
3) Chloromethane	2.06	50	28349	2.47 ug/l	92
4) Vinyl Chloride	2.18	62	40887	3.31 ug/l	97
5) Bromomethane	2.57	94	39007	4.85 ug/l	82
6) Chloroethane	2.70	64	30803	4.02 ug/l	94
7) Trichlorofluoromethane	3.01	101	61804	3.82 ug/l	94
8) Diethyl Ether	3.41	74	17276	3.60 ug/l	76
9) 1,1,2-Trichlorotrifluoroet	3.76	101	33968	4.16 ug/l #	36
10) 1,1-Dichloroethene	3.74	96	31508	4.22 ug/l	83
11) Methyl Iodide	3.95	142	35374	3.17 ug/l	94
12) Methyl Acetate	4.33	43	17176	2.64 ug/l #	85
13) Acrolein	3.61	56	7740	8.70 ug/l	86
14) Acrylonitrile	4.99	53	39924	14.95 ug/l #	65
15) Acetone	3.82	58	11009	16.91 ug/l	89
16) Carbon Disulfide	4.06	76	77152	3.28 ug/l	97
17) Allyl chloride	4.32	41	35459	2.71 ug/l	77
18) Methylene Chloride	4.55	84	34185	3.82 ug/l	89
19) trans-1,2-Dichloroethene	5.04	96	34324	4.22 ug/l #	80
20) Diisopropyl ether	5.95	45	82807	3.11 ug/l #	88
21) 1,1-Dichloroethane	5.85	63	58465	3.68 ug/l #	95
22) cis-1,2-Dichloroethene	6.83	96	42043	4.60 ug/l #	81
23) tert-Butyl Alcohol	4.80	59	11191m	22.41 ug/l	
24) Methyl tert-Butyl Ether	5.04	73	89091	4.37 ug/l #	68
25) Chloroform	7.37	83	67085	4.22 ug/l	96
26) Cyclohexane	7.65	56	50874	3.77 ug/l #	77
29) 1,1-Dichloropropene	7.79	75	47219	3.74 ug/l	95
30) 2-Butanone	6.84	43	52891	16.46 ug/l #	88
31) 2,2-Dichloropropane	6.83	77	57365	4.26 ug/l #	78
32) 1,1,1-Trichloroethane	7.57	97	63532	4.40 ug/l	95
33) Carbon Tetrachloride	7.77	117	54216	4.11 ug/l	93
34) Benzene	8.04	78	139663	3.71 ug/l	100
35) Methacrylonitrile	7.19	41	11045m	2.72 ug/l	
36) 1,2-Dichloroethane	8.12	62	45477	3.75 ug/l	97
37) Trichloroethene	8.83	130	43390	4.37 ug/l	96
38) Methylcyclohexane	9.08	83	62133	4.29 ug/l	80
39) 1,2-Dichloropropane	9.12	63	34263	3.35 ug/l	92
40) Dibromomethane	9.21	93	24360	4.18 ug/l	99

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 ALS Vial : 2 Sample Multiplier: 28

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	47370	3.71	ug/l	94
42) Vinyl Acetate	5.90	43	269732	14.93	ug/l #	91
43) Ethyl Acetate	6.93	43	19258m	2.85	ug/l	
44) Isopropyl Acetate	8.16	43	40864	3.15	ug/l	99
45) 1,4-Dioxane	9.20	88	5896	74.39	ug/l #	75
46) Methyl methacrylate	9.20	41	18854	2.93	ug/l	81
47) n-amyl Acetate	12.07	43	27293	2.65	ug/l #	73
48) t-1,3-Dichloropropene	10.38	75	43273	3.44	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	48604	3.31	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	31300	3.77	ug/l	93
51) Ethyl methacrylate	10.43	69	33172	3.41	ug/l	87
52) 1,3-Dichloropropane	10.71	76	50149	3.58	ug/l	97
53) Dibromochloromethane	10.90	129	35837	3.75	ug/l	90
54) 1,2-Dibromoethane	11.00	107	31956	4.01	ug/l	96
55) 2-Chloroethyl vinyl ether	9.70	63	61787	12.74	ug/l #	93
56) Bromoform	12.13	173	19273	3.01	ug/l #	89
58) 4-Methyl-2-Pentanone	9.99	43	108482	16.04	ug/l #	88
59) 2-Hexanone	10.75	43	74612	16.94	ug/l #	91
61) Tetrachloroethene	10.63	164	42618	4.75	ug/l	97
62) Toluene	10.16	91	156942	3.97	ug/l	96
64) Chlorobenzene	11.43	112	99982	4.14	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	36349	3.88	ug/l	97
66) Ethyl Benzene	11.51	91	167029	4.12	ug/l	98
67) m/p-Xylenes	11.62	106	131708	8.35	ug/l	99
68) o-Xylene	11.95	106	66184	4.41	ug/l	90
69) Styrene	11.96	104	91785	3.87	ug/l	97
70) Isopropylbenzene	12.25	105	176320	4.39	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	33835	3.63	ug/l	96
72) 1,2,3-Trichloropropane	12.56	75	28307m	3.51	ug/l	
73) Bromobenzene	12.53	156	38585	3.85	ug/l	88
74) n-propylbenzene	12.59	91	178869	3.84	ug/l	96
75) 2-Chlorotoluene	12.67	91	109740	3.99	ug/l	95
76) 1,3,5-Trimethylbenzene	12.73	105	138012	4.15	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	6842	2.72	ug/l	96
78) 4-Chlorotoluene	12.77	91	97010	3.55	ug/l	95
79) tert-butylbenzene	12.99	119	134132	4.66	ug/l	95
80) 1,2,4-Trimethylbenzene	13.04	105	134498	4.01	ug/l	99
81) sec-Butylbenzene	13.17	105	167518	4.22	ug/l	96
82) p-Isopropyltoluene	13.29	119	140662	4.10	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	60889	3.46	ug/l	96
84) 1,4-Dichlorobenzene	13.36	146	53165	3.21	ug/l	98
85) n-Butylbenzene	13.62	91	89967	3.24	ug/l	95
86) Hexachloroethane	13.87	117	24443	3.59	ug/l	85
87) 1,2-Dichlorobenzene	13.65	146	60944	3.62	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	4862	3.56	ug/l #	90
89) 1,2,4-Trichlorobenzene	14.91	180	17707	2.17	ug/l	96
90) Hexachlorobutadiene	15.01	225	23982	3.74	ug/l	97
91) Naphthalene	15.13	128	39433	2.63	ug/l	97
92) 1,2,3-Trichlorobenzene	15.32	180	19304	2.35	ug/l	97

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

