

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082818\
 Data File : VN050907.D
 Acq On : 28 Aug 2018 12:01
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/29/2018 11:09:47 AM

Quant Time: Aug 29 01:25:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:19:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	115658	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	596374	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	522849	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	222327	30.12	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.40%
60) 4-Bromofluorobenzene	12.40	95	216137	27.80	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.67%
63) Toluene-d8	10.09	98	750346	30.77	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.57%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	28291	3.94	ug/l	98
3) Chloromethane	2.06	50	40582	4.78	ug/l	100
4) Vinyl Chloride	2.18	62	39999	4.77	ug/l	97
5) Bromomethane	2.56	94	27252	5.34	ug/l	96
6) Chloroethane	2.70	64	25375	5.13	ug/l	99
7) Trichlorofluoromethane	3.01	101	54552	4.91	ug/l	96
8) Diethyl Ether	3.41	74	17832	4.55	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	34468	5.01	ug/l	99
10) 1,1-Dichloroethene	3.73	96	29407	4.71	ug/l	98
11) Methyl Iodide	3.95	142	19825	3.40	ug/l	96
12) Methyl Acetate	4.33	43	31123	4.31	ug/l	99
13) Acrolein	3.61	56	5756	35.97	ug/l	98
14) Acrylonitrile	4.99	53	54019	22.11	ug/l #	89
15) Acetone	3.82	58	18819	30.10	ug/l	82
16) Carbon Disulfide	4.05	76	92322	4.91	ug/l	100
17) Allyl chloride	4.32	41	44606	4.54	ug/l	97
18) Methylene Chloride	4.55	84	37702	5.14	ug/l	99
19) trans-1,2-Dichloroethene	5.05	96	32094	4.82	ug/l	92
20) Diisopropyl ether	5.95	45	88369	4.33	ug/l	92
21) 1,1-Dichloroethane	5.85	63	61975	4.95	ug/l	98
22) cis-1,2-Dichloroethene	6.82	96	35635	4.74	ug/l	98
23) tert-Butyl Alcohol	4.80	59	11285	21.72	ug/l #	1
24) Methyl tert-Butyl Ether	5.05	73	72908	4.27	ug/l	95
25) Chloroform	7.37	83	62506	5.00	ug/l	95
26) Cyclohexane	7.65	56	44540	4.30	ug/l #	98
29) 1,1-Dichloropropene	7.79	75	42016	4.71	ug/l	98
30) 2-Butanone	6.84	43	76411	27.82	ug/l #	95
31) 2,2-Dichloropropane	6.82	77	42257	4.86	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	51455	5.08	ug/l	99
33) Carbon Tetrachloride	7.77	117	46353	5.08	ug/l	97
34) Benzene	8.04	78	139442	5.05	ug/l #	71
35) Methacrylonitrile	7.18	41	13464	4.47	ug/l	92
36) 1,2-Dichloroethane	8.13	62	43310	5.18	ug/l	99
37) Trichloroethene	8.83	130	36859	5.11	ug/l	97
38) Methylcyclohexane	9.08	83	43913	4.58	ug/l	96
39) 1,2-Dichloropropane	9.12	63	35949	4.98	ug/l	97
40) Dibromomethane	9.21	93	22112	5.09	ug/l	99

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 ALS Vial : 2 Sample Multiplier: 1

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

41) Bromodichloromethane	9.40	83	46074	5.03	ug/l	97
42) Vinyl Acetate	5.90	43	281299	22.23	ug/l	100
43) Ethyl Acetate	6.93	43	25289	4.49	ug/l #	91
44) Isopropyl Acetate	8.17	43	44282	4.46	ug/l	95
45) 1,4-Dioxane	9.20	88	6273	85.05	ug/l #	85
46) Methyl methacrylate	9.20	41	21258	4.28	ug/l	98
47) n-amyl Acetate	12.07	43	30464	3.82	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	39387	4.39	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	46907	4.55	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	31152	4.93	ug/l	94
51) Ethyl methacrylate	10.43	69	32430	4.20	ug/l	96
52) 1,3-Dichloropropane	10.71	76	50977	4.87	ug/l	97
53) Dibromochloromethane	10.90	129	35185	4.90	ug/l	98
54) 1,2-Dibromoethane	11.01	107	30114	4.82	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	62715	19.51	ug/l	99
56) Bromoform	12.13	173	23641	4.63	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	164195	27.45	ug/l	98
59) 2-Hexanone	10.75	43	103163	26.38	ug/l	95
61) Tetrachloroethene	10.63	164	34172	5.24	ug/l	98
62) Toluene	10.16	91	147806	5.07	ug/l	100
64) Chlorobenzene	11.44	112	90610	5.01	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	34356	5.03	ug/l	97
66) Ethyl Benzene	11.51	91	138273	4.58	ug/l	98
67) m/p-Xylenes	11.62	106	104802	9.02	ug/l	99
68) o-Xylene	11.95	106	48433	4.36	ug/l	95
69) Styrene	11.97	104	72921	4.13	ug/l	98
70) Isopropylbenzene	12.25	105	130204	4.41	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	41137	5.15	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	33119m	4.82	ug/l	
73) Bromobenzene	12.53	156	37435	4.82	ug/l	99
74) n-propylbenzene	12.59	91	144855	4.34	ug/l	100
75) 2-Chlorotoluene	12.67	91	96057	4.74	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	106628	4.42	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	8251	4.20	ug/l	92
78) 4-Chlorotoluene	12.77	91	86735	4.35	ug/l	98
79) tert-butylbenzene	12.99	119	92919	4.44	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	99027	4.12	ug/l	99
81) sec-Butylbenzene	13.17	105	121955	4.45	ug/l	99
82) p-Isopropyltoluene	13.29	119	98490	4.16	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	56921	4.34	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	49626	3.99	ug/l	99
85) n-Butylbenzene	13.62	91	63378	3.51	ug/l	99
86) Hexachloroethane	13.87	117	23206	5.11	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	58325	4.51	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	4616	4.13	ug/l #	89
89) 1,2,4-Trichlorobenzene	14.91	180	15057	2.62	ug/l	96
90) Hexachlorobutadiene	15.01	225	19491	4.99	ug/l	98
91) Naphthalene	15.14	128	27631	2.24	ug/l	97
92) 1,2,3-Trichlorobenzene	15.32	180	17216	2.98	ug/l	95

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

