

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
 Data File : VN050306.D
 Acq On : 3 Aug 2018 11:38
 Operator : MD\SY
 Sample : VN0803WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/6/2018 11:38:03 AM

Quant Time: Aug 03 23:15:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	126673	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	688146	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	597052	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	264628	30.73	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.43%
60) 4-Bromofluorobenzene	12.40	95	268171	29.24	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.47%
63) Toluene-d8	10.09	98	863739	30.29	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.97%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	153818	17.62	ug/l	99
3) Chloromethane	2.06	50	142993	15.89	ug/l	98
4) Vinyl Chloride	2.18	62	162099	16.92	ug/l	97
5) Bromomethane	2.56	94	36384	6.23	ug/l	99
6) Chloroethane	2.70	64	95921	16.93	ug/l	98
7) Trichlorofluoromethane	3.01	101	227208	18.15	ug/l	100
8) Diethyl Ether	3.41	74	79322	18.89	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	141217	18.54	ug/l	98
10) 1,1-Dichloroethene	3.73	96	120541	17.85	ug/l	92
11) Methyl Iodide	3.95	142	35266	3.55	ug/l	93
12) Methyl Acetate	4.33	43	188803	24.40	ug/l	98
13) Acrolein	3.61	56	11805	24.69	ug/l	94
14) Acrylonitrile	4.99	53	250392	96.99	ug/l	97
15) Acetone	3.82	58	69178	100.83	ug/l	93
16) Carbon Disulfide	4.05	76	319905	15.48	ug/l	100
17) Allyl chloride	4.32	41	193161	18.11	ug/l	99
18) Methylene Chloride	4.55	84	145716	18.70	ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	129568	17.92	ug/l	95
20) Diisopropyl ether	5.96	45	427045	19.53	ug/l	99
21) 1,1-Dichloroethane	5.85	63	260217	18.92	ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	148003	18.46	ug/l	97
23) tert-Butyl Alcohol	4.81	59	59936	103.90	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	354771	19.26	ug/l	97
25) Chloroform	7.37	83	266966	19.18	ug/l	98
26) Cyclohexane	7.65	56	189618	17.35	ug/l #	98
29) 1,1-Dichloropropene	7.79	75	186772	17.49	ug/l	99
30) 2-Butanone	6.84	43	307199	91.67	ug/l	99
31) 2,2-Dichloropropane	6.82	77	210275	17.81	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	225407	17.93	ug/l	99
33) Carbon Tetrachloride	7.77	117	196802	17.56	ug/l	96
34) Benzene	8.04	78	577116	17.79	ug/l	99
35) Methacrylonitrile	7.17	41	52735	13.82	ug/l	97
36) 1,2-Dichloroethane	8.13	62	190199	17.86	ug/l	99
37) Trichloroethene	8.84	130	149375	17.56	ug/l	98
38) Methylcyclohexane	9.08	83	184995	16.43	ug/l	99
39) 1,2-Dichloropropane	9.12	63	157453	18.43	ug/l	100
40) Dibromomethane	9.21	93	95934	18.17	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	202757	18.20	ug/l	97
42) Vinyl Acetate	5.90	43	1352781	85.78	ug/l	99
43) Ethyl Acetate	6.93	43	129883	18.56	ug/l #	89
44) Isopropyl Acetate	8.17	43	270423	20.86	ug/l #	91
45) 1,4-Dioxane	9.20	88	32800	384.51	ug/l	95
46) Methyl methacrylate	9.20	41	111193	17.69	ug/l	99
47) n-amyl Acetate	12.07	43	173032	17.15	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	190613	17.95	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	223007	17.88	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	140136	18.49	ug/l	98
51) Ethyl methacrylate	10.43	69	161661	17.57	ug/l	99
52) 1,3-Dichloropropane	10.71	76	226990	18.24	ug/l	99
53) Dibromochloromethane	10.90	129	154211	17.93	ug/l	99
54) 1,2-Dibromoethane	11.01	107	132440	17.84	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	355305	85.33	ug/l	100
56) Bromoform	12.13	173	104732	17.24	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	686918	98.88	ug/l	99
59) 2-Hexanone	10.75	43	446449	94.20	ug/l	99
61) Tetrachloroethene	10.63	164	139398	17.24	ug/l	95
62) Toluene	10.16	91	617559	18.13	ug/l	99
64) Chlorobenzene	11.44	112	376021	18.20	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	150268	18.65	ug/l	100
66) Ethyl Benzene	11.51	91	620427	17.82	ug/l	100
67) m/p-Xylenes	11.62	106	490025	36.58	ug/l	99
68) o-Xylene	11.95	106	231557	18.17	ug/l	99
69) Styrene	11.97	104	366918	17.96	ug/l	99
70) Isopropylbenzene	12.25	105	628631	18.52	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	180240	19.34	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	146395m	18.39	ug/l	
73) Bromobenzene	12.53	156	160376	17.73	ug/l	97
74) n-propylbenzene	12.59	91	713008	18.03	ug/l	99
75) 2-Chlorotoluene	12.68	91	434944	18.32	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	516605	18.53	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	40318	15.49	ug/l	94
78) 4-Chlorotoluene	12.77	91	423168	17.98	ug/l	100
79) tert-butylbenzene	12.99	119	443617	18.61	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	519068	18.37	ug/l	99
81) sec-Butylbenzene	13.17	105	592001	18.28	ug/l	99
82) p-Isopropyltoluene	13.29	119	499947	18.09	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	276808	17.58	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	259081	17.41	ug/l	100
85) n-Butylbenzene	13.62	91	375046	16.73	ug/l	99
86) Hexachloroethane	13.88	117	93480	16.93	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	277808	18.05	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	26179	18.03	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	115659	15.73	ug/l	99
90) Hexachlorobutadiene	15.01	225	87721	18.10	ug/l	98
91) Naphthalene	15.14	128	228805	17.57	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	123435	16.51	ug/l	99

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

