

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091818\
 Data File : VN051289.D
 Acq On : 18 Sep 2018 11:44
 Operator : MD\SY
 Sample : VN0918WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0918WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/19/2018 2:57:06 PM

Quant Time: Sep 18 14:36:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	103576	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	555850	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	488267	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	186434	28.21	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.03%
60) 4-Bromofluorobenzene	12.40	95	208443	28.71	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.70%
63) Toluene-d8	10.09	98	693201	30.44	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.47%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	98609	15.330	ug/l 100
3) Chloromethane	2.06	50	131610	17.328	ug/l 99
4) Vinyl Chloride	2.18	62	131471	17.518	ug/l 100
5) Bromomethane	2.57	94	76060	16.627	ug/l 98
6) Chloroethane	2.71	64	77015	17.398	ug/l 98
7) Trichlorofluoromethane	3.02	101	181461	18.239	ug/l 100
8) Diethyl Ether	3.41	74	57161	16.296	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	111185	18.046	ug/l 97
10) 1,1-Dichloroethene	3.74	96	98712	17.638	ug/l 98
11) Methyl Iodide	3.95	142	87287	16.716	ug/l 98
12) Methyl Acetate	4.32	43	73589	11.371	ug/l 97
13) Acrolein	3.61	56	36812	256.883	ug/l 97
14) Acrylonitrile	4.99	53	149770	68.448	ug/l 98
15) Acetone	3.82	58	38799	69.294	ug/l 95
16) Carbon Disulfide	4.05	76	300047	17.830	ug/l 99
17) Allyl chloride	4.32	41	144004	16.353	ug/l 98
18) Methylene Chloride	4.55	84	113426	17.267	ug/l 95
19) trans-1,2-Dichloroethene	5.04	96	106470	17.855	ug/l 97
20) Diisopropyl ether	5.95	45	307698	16.833	ug/l 98
21) 1,1-Dichloroethane	5.85	63	194678	17.370	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	118288	17.561	ug/l 99
23) tert-Butyl Alcohol	4.78	59	28275m	60.762	ug/l
24) Methyl tert-Butyl Ether	5.04	73	240701	15.725	ug/l 99
25) Chloroform	7.37	83	199827	17.864	ug/l 97
26) Cyclohexane	7.65	56	160418	17.276	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	148540	17.850	ug/l 99
30) 2-Butanone	6.84	43	155789	60.855	ug/l 98
31) 2,2-Dichloropropane	6.82	77	153588	18.968	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	169281	17.939	ug/l 99
33) Carbon Tetrachloride	7.77	117	155684	18.320	ug/l 94
34) Benzene	8.04	78	451527	17.540	ug/l 100
35) Methacrylonitrile	7.17	41	33125	11.810	ug/l 94
36) 1,2-Dichloroethane	8.12	62	134294	17.249	ug/l 99
37) Trichloroethene	8.83	130	122018	18.134	ug/l 98
38) Methylcyclohexane	9.08	83	161644	18.086	ug/l 98
39) 1,2-Dichloropropane	9.12	63	116380	17.309	ug/l 98
40) Dibromomethane	9.21	93	69661	17.200	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	148813	17.430	ug/l	98
42) Vinyl Acetate	5.90	43	918397	77.886	ug/l	98
43) Ethyl Acetate	6.93	43	73197	13.957	ug/l	94
44) Isopropyl Acetate	8.16	43	130019	14.050	ug/l	93
45) 1,4-Dioxane	9.20	88	18035	262.356	ug/l	97
46) Methyl methacrylate	9.20	41	60744	13.106	ug/l	98
47) n-amyl Acetate	12.07	43	85606	11.506	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	136110	16.264	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	165255	17.189	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	99426	16.895	ug/l	98
51) Ethyl methacrylate	10.43	69	103187	14.331	ug/l	98
52) 1,3-Dichloropropane	10.71	76	160968	16.514	ug/l	100
53) Dibromochloromethane	10.90	129	114530	17.116	ug/l	99
54) 1,2-Dibromoethane	11.00	107	94743	16.282	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	229050	76.455	ug/l	99
56) Bromoform	12.13	173	76209	16.013	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	352005	63.009	ug/l	98
59) 2-Hexanone	10.75	43	211446	57.905	ug/l	100
61) Tetrachloroethene	10.63	164	114977	18.897	ug/l	98
62) Toluene	10.16	91	484823	17.798	ug/l	100
64) Chlorobenzene	11.43	112	304231	18.021	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	117335	18.408	ug/l	98
66) Ethyl Benzene	11.51	91	490504	17.384	ug/l	99
67) m/p-Xylenes	11.62	106	396150	36.490	ug/l	98
68) o-Xylene	11.95	106	188526	18.174	ug/l	97
69) Styrene	11.96	104	284705	17.262	ug/l	99
70) Isopropylbenzene	12.25	105	494916	17.955	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	114637	15.360	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	88300m	13.714	ug/l	
73) Bromobenzene	12.53	156	125863	17.355	ug/l	94
74) n-propylbenzene	12.59	91	535853	17.195	ug/l	98
75) 2-Chlorotoluene	12.67	91	333185	17.599	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	405728	18.012	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	23699	12.920	ug/l	98
78) 4-Chlorotoluene	12.77	91	314639	16.878	ug/l	98
79) tert-butylbenzene	12.99	119	351508	17.968	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	396415	17.651	ug/l	99
81) sec-Butylbenzene	13.17	105	453172	17.705	ug/l	99
82) p-Isopropyltoluene	13.29	119	391197	17.706	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	203199	16.572	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	188894	16.259	ug/l	99
85) n-Butylbenzene	13.62	91	259977	15.422	ug/l	99
86) Hexachloroethane	13.87	117	78216	18.444	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	197524	16.366	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	13486	12.917	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	60266	11.217	ug/l	98
90) Hexachlorobutadiene	15.01	225	70149	19.217	ug/l	97
91) Naphthalene	15.13	128	98627	14.450	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	65539	12.156	ug/l	99

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

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