

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072718\
 Data File : VN050127.D
 Acq On : 27 Jul 2018 12:48
 Operator : MD\SY
 Sample : VN0727WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0727WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 1:37:16 PM

Quant Time: Jul 27 23:16:12 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	163666	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	910756	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	785255	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	335321	30.14	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.47%
60) 4-Bromofluorobenzene	12.40	95	357904	29.67	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.90%
63) Toluene-d8	10.09	98	1100698	29.35	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	224604	19.914	ug/l 97
3) Chloromethane	2.06	50	201970	17.369	ug/l 100
4) Vinyl Chloride	2.18	62	229826	18.564	ug/l 96
5) Bromomethane	2.56	94	85520	11.332	ug/l 99
6) Chloroethane	2.70	64	138716	18.945	ug/l 100
7) Trichlorofluoromethane	3.01	101	310530	19.195	ug/l 100
8) Diethyl Ether	3.41	74	107805	19.866	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	186539	18.954	ug/l 100
10) 1,1-Dichloroethene	3.73	96	169190	19.389	ug/l 96
11) Methyl Iodide	3.95	142	82345	6.413	ug/l 97
12) Methyl Acetate	4.33	43	209836	20.992	ug/l 99
13) Acrolein	3.61	56	30686	49.673	ug/l 100
14) Acrylonitrile	5.00	53	321980	96.532	ug/l 98
15) Acetone	3.82	58	91168	102.847	ug/l 93
16) Carbon Disulfide	4.05	76	477481	17.880	ug/l 100
17) Allyl chloride	4.32	41	263109	19.093	ug/l 95
18) Methylene Chloride	4.55	84	189160	18.786	ug/l 95
19) trans-1,2-Dichloroethene	5.04	96	178147	19.069	ug/l 97
20) Diisopropyl ether	5.96	45	556256	19.686	ug/l 99
21) 1,1-Dichloroethane	5.85	63	339168	19.089	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	204104	19.700	ug/l 100
23) tert-Butyl Alcohol	4.81	59	81470	109.311	ug/l 100
24) Methyl tert-Butyl Ether	5.05	73	491293	20.645	ug/l 100
25) Chloroform	7.37	83	350939	19.512	ug/l 99
26) Cyclohexane	7.65	56	270090	19.130	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	254076	17.976	ug/l 99
30) 2-Butanone	6.84	43	406647	91.684	ug/l 98
31) 2,2-Dichloropropane	6.83	77	287435	18.398	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	297657	17.892	ug/l 99
33) Carbon Tetrachloride	7.77	117	261965	17.664	ug/l 100
34) Benzene	8.04	78	763593	17.789	ug/l 99
35) Methacrylonitrile	7.18	41	79425	15.728	ug/l 97
36) 1,2-Dichloroethane	8.13	62	251363	17.835	ug/l 100
37) Trichloroethene	8.84	130	206115	18.308	ug/l 99
38) Methylcyclohexane	9.08	83	268773	18.038	ug/l 98
39) 1,2-Dichloropropane	9.12	63	201174	17.791	ug/l 100
40) Dibromomethane	9.21	93	124145	17.764	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	261103	17.711	ug/l	99
42) Vinyl Acetate	5.90	43	1890348	90.571	ug/l	99
43) Ethyl Acetate	6.93	43	170666	18.427	ug/l	94
44) Isopropyl Acetate	8.17	43	341684	19.915	ug/l	94
45) 1,4-Dioxane	9.20	88	44188	391.394	ug/l	99
46) Methyl methacrylate	9.20	41	155192	18.659	ug/l	98
47) n-amyl Acetate	12.07	43	235955	17.674	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	261047	18.578	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	300684	18.211	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	182489	18.191	ug/l	99
51) Ethyl methacrylate	10.43	69	226670	18.616	ug/l	97
52) 1,3-Dichloropropane	10.71	76	298540	18.123	ug/l	99
53) Dibromochloromethane	10.90	129	202313	17.771	ug/l	98
54) 1,2-Dibromoethane	11.01	107	176553	17.970	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	508101	92.203	ug/l	99
56) Bromoform	12.13	173	139302	17.328	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	879686	96.275	ug/l	98
59) 2-Hexanone	10.75	43	587616	94.266	ug/l	99
61) Tetrachloroethene	10.63	164	192856	18.132	ug/l	97
62) Toluene	10.16	91	840860	18.768	ug/l	100
64) Chlorobenzene	11.44	112	512632	18.869	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	196006	18.497	ug/l	99
66) Ethyl Benzene	11.51	91	866674	18.929	ug/l	100
67) m/p-Xylenes	11.62	106	670063	38.029	ug/l	99
68) o-Xylene	11.95	106	324884	19.380	ug/l	100
69) Styrene	11.97	104	503548	18.737	ug/l	99
70) Isopropylbenzene	12.25	105	866933	19.417	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	233108	19.016	ug/l	98
72) 1,2,3-Trichloropropane	12.56	75	193969m	18.527	ug/l	
73) Bromobenzene	12.53	156	220896	18.573	ug/l	98
74) n-propylbenzene	12.59	91	962661	18.513	ug/l	100
75) 2-Chlorotoluene	12.68	91	591260	18.931	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	697651	19.025	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	55991	16.357	ug/l	97
78) 4-Chlorotoluene	12.78	91	566111	18.291	ug/l	98
79) tert-butylbenzene	12.99	119	611605	19.508	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	712670	19.182	ug/l	100
81) sec-Butylbenzene	13.17	105	805195	18.906	ug/l	100
82) p-Isopropyltoluene	13.29	119	693265	19.077	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	374499	18.083	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	353736	18.075	ug/l	99
85) n-Butylbenzene	13.62	91	525478	17.818	ug/l	100
86) Hexachloroethane	13.88	117	122068	16.809	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	378371	18.692	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	36345	19.032	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	166533	17.224	ug/l	100
90) Hexachlorobutadiene	15.01	225	117227	18.389	ug/l	98
91) Naphthalene	15.14	128	393750	20.633	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	179512	18.256	ug/l	99

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

