

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070919\
 Data File : VN056627.D
 Acq On : 9 Jul 2019 14:06
 Operator : JC/SP
 Sample : VN0709WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0709WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/10/2019 9:18:11 AM

Quant Time: Jul 10 01:42:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 03 11:05:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	52587	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	294011	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	258203	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	111630	30.79	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.63%
60) 4-Bromofluorobenzene	12.40	95	120347	30.33	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.10%
63) Toluene-d8	10.09	98	360028	30.01	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.03%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	51292	19.450	ug/l 99
3) Chloromethane	2.06	50	69804	18.238	ug/l 100
4) Vinyl Chloride	2.18	62	70670	19.618	ug/l 98
5) Bromomethane	2.53	94	29002	15.089	ug/l 95
6) Chloroethane	2.68	64	39914	20.008	ug/l 97
7) Trichlorofluoromethane	3.00	101	91198	19.723	ug/l 99
8) Diethyl Ether	3.41	74	37839	19.292	ug/l 92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	57574	19.651	ug/l 94
10) 1,1-Dichloroethene	3.73	96	55304	19.239	ug/l 95
11) Methyl Iodide	3.95	142	36062	8.773	ug/l 99
12) Methyl Acetate	4.33	43	75129	19.380	ug/l 99
13) Acrolein	3.60	56	27735	73.276	ug/l 98
14) Acrylonitrile	4.99	53	161864	95.093	ug/l 97
15) Acetone	3.82	58	49031	103.238	ug/l 93
16) Carbon Disulfide	4.05	76	132348	19.148	ug/l 96
17) Allyl chloride	4.32	41	94401	18.766	ug/l 98
18) Methylene Chloride	4.55	84	67691	19.917	ug/l 91
19) trans-1,2-Dichloroethene	5.04	96	59467	19.073	ug/l 92
20) Diisopropyl ether	5.95	45	203325	19.564	ug/l 98
21) 1,1-Dichloroethane	5.85	63	111972	19.099	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	71239	19.431	ug/l 97
23) tert-Butyl Alcohol	4.79	59	53778	84.459	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	185180	19.477	ug/l 100
25) Chloroform	7.37	83	111348	19.377	ug/l 98
26) Cyclohexane	7.65	56	101962	18.882	ug/l # 95
29) 1,1-Dichloropropene	7.79	75	83490	19.230	ug/l 97
30) 2-Butanone	6.84	43	221120	91.871	ug/l 97
31) 2,2-Dichloropropane	6.82	77	75183	18.010	ug/l # 71
32) 1,1,1-Trichloroethane	7.57	97	88657	19.155	ug/l 99
33) Carbon Tetrachloride	7.77	117	73950	18.848	ug/l 98
34) Benzene	8.04	78	260624	19.197	ug/l 96
35) Methacrylonitrile	7.18	41	42812	20.029	ug/l 89
36) 1,2-Dichloroethane	8.12	62	85392	19.352	ug/l 98
37) Trichloroethene	8.84	130	68514	19.350	ug/l 97
38) Methylcyclohexane	9.08	83	101563	18.666	ug/l 98
39) 1,2-Dichloropropane	9.12	63	70004	19.155	ug/l 96
40) Dibromomethane	9.21	93	44247	19.586	ug/l 94

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

41) Bromodichloromethane	9.40	83	79964	19.098	ug/l	100
42) Vinyl Acetate	5.90	43	824682	96.229	ug/l	98
43) Ethyl Acetate	6.93	43	82904	17.806	ug/l #	80
44) Isopropyl Acetate	8.17	43	138568	19.076	ug/l #	86
45) 1,4-Dioxane	9.20	88	25053	352.479	ug/l #	88
46) Methyl methacrylate	9.20	41	67068	18.791	ug/l	95
47) n-amyl Acetate	12.07	43	112216	18.585	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	84444	18.818	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	97034	18.748	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	65589	19.708	ug/l	97
51) Ethyl methacrylate	10.43	69	98525	18.797	ug/l	96
52) 1,3-Dichloropropane	10.71	76	109431	19.350	ug/l	99
53) Dibromochloromethane	10.90	129	63556	19.484	ug/l	96
54) 1,2-Dibromoethane	11.00	107	65932	19.013	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	231560	86.697	ug/l	98
56) Bromoform	12.13	173	43421	18.319	ug/l #	97
58) 4-Methyl-2-Pentanone	9.98	43	447851	96.469	ug/l	96
59) 2-Hexanone	10.75	43	318099	92.339	ug/l	99
61) Tetrachloroethene	10.63	164	64980	20.051	ug/l	98
62) Toluene	10.16	91	277346	19.246	ug/l	98
64) Chlorobenzene	11.43	112	165515	19.065	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	61110	19.545	ug/l	98
66) Ethyl Benzene	11.51	91	295437	18.908	ug/l	100
67) m/p-Xylenes	11.62	106	227168	39.396	ug/l	97
68) o-Xylene	11.95	106	111234	19.506	ug/l	97
69) Styrene	11.96	104	178908	18.856	ug/l	98
70) Isopropylbenzene	12.25	105	290487	19.524	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	95688	19.453	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	84052m	20.319	ug/l	
73) Bromobenzene	12.53	156	73309	19.104	ug/l	91
74) n-propylbenzene	12.59	91	324633	19.231	ug/l	97
75) 2-Chlorotoluene	12.67	91	195595	19.378	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	245706	19.502	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	22461	16.952	ug/l	97
78) 4-Chlorotoluene	12.77	91	187660	19.116	ug/l	98
79) tert-butylbenzene	12.99	119	209021	19.417	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	244396	19.640	ug/l	98
81) sec-Butylbenzene	13.17	105	276452	19.367	ug/l	98
82) p-Isopropyltoluene	13.29	119	252596	19.681	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	121712	19.100	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	117001	19.033	ug/l	98
85) n-Butylbenzene	13.61	91	204553	18.965	ug/l	98
86) Hexachloroethane	13.87	117	36511	18.867	ug/l	92
87) 1,2-Dichlorobenzene	13.65	146	126858	19.603	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	15400	17.472	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	61296	17.137	ug/l	98
90) Hexachlorobutadiene	15.01	225	41296	18.583	ug/l	99
91) Naphthalene	15.13	128	164322	16.370	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	65028	17.318	ug/l	99

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

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