

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071420\
 Data File : VN062523.D
 Acq On : 14 Jul 2020 11:36
 Operator : JC/MD
 Sample : VN0714WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0714WBS01

Quant Time: Jul 15 01:03:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Jul 14 00:52:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	45003	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	248970	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	226859	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	114951	29.73	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.10%
60) 4-Bromofluorobenzene	12.37	95	112692	29.19	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.30%
63) Toluene-d8	10.06	98	323354	30.16	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	42620	16.045	ug/l 98
3) Chloromethane	2.04	50	62425	16.276	ug/l 97
4) Vinyl Chloride	2.16	62	54977	16.398	ug/l 97
5) Bromomethane	2.54	94	25226	15.167	ug/l 97
6) Chloroethane	2.67	64	25657	15.545	ug/l 98
7) Trichlorofluoromethane	2.99	101	59782	15.214	ug/l 99
8) Diethyl Ether	3.37	74	31134	16.482	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	39456	15.532	ug/l 97
10) 1,1-Dichloroethene	3.70	96	41765	16.116	ug/l 98
11) Methyl Iodide	3.91	142	52762	16.625	ug/l 97
12) Methyl Acetate	4.28	43	55803	16.056	ug/l 98
13) Acrolein	3.57	56	50014	96.314	ug/l 100
14) Acrylonitrile	4.93	53	130727	80.874	ug/l 99
15) Acetone	3.78	58	35183	70.904	ug/l 95
16) Carbon Disulfide	4.01	76	132784	15.723	ug/l 99
17) Allyl chloride	4.27	41	92613	16.804	ug/l 99
18) Methylene Chloride	4.50	84	52534	16.475	ug/l 95
19) trans-1,2-Dichloroethene	4.99	96	45697	15.932	ug/l 92
20) Diisopropyl ether	5.90	45	188941	16.676	ug/l 98
21) 1,1-Dichloroethane	5.80	63	98057	16.370	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	53277	16.471	ug/l 99
23) tert-Butyl Alcohol	4.73	59	44065	81.458	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	153672	16.084	ug/l 99
25) Chloroform	7.33	83	90724	16.515	ug/l 96
26) Cyclohexane	7.61	56	81148	15.370	ug/l # 99
29) 1,1-Dichloropropene	7.75	75	68042	16.112	ug/l 99
30) 2-Butanone	6.79	43	178407	79.657	ug/l 99
31) 2,2-Dichloropropane	6.78	77	77191	16.210	ug/l # 71
32) 1,1,1-Trichloroethane	7.53	97	75997	16.743	ug/l 98
33) Carbon Tetrachloride	7.73	117	63937	16.250	ug/l 99
34) Benzene	8.00	78	208277	16.600	ug/l 96
35) Methacrylonitrile	7.12	41	31652	16.088	ug/l 99
36) 1,2-Dichloroethane	8.09	62	76076	16.870	ug/l 100
37) Trichloroethene	8.80	130	46998	16.677	ug/l 98
38) Methylcyclohexane	9.05	83	73624	15.541	ug/l 98
39) 1,2-Dichloropropane	9.08	63	59791	16.728	ug/l 97
40) Dibromomethane	9.17	93	34407	16.703	ug/l 99

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41) Bromodichloromethane	9.37	83	72630	16.623	ug/l	97
42) Vinyl Acetate	5.84	43	776180	83.398	ug/l	99
43) Ethyl Acetate	6.88	43	71386	15.854	ug/l #	93
44) Isopropyl Acetate	8.13	43	124191	16.439	ug/l	99
45) 1,4-Dioxane	9.17	88	17181	332.450	ug/l	97
46) Methyl methacrylate	9.17	41	56297	15.707	ug/l	95
47) n-amyl Acetate	12.05	43	97613	15.328	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	80470	15.790	ug/l	99
49) cis-1,3-Dichloropropene	9.81	75	88439	16.076	ug/l	98
50) 1,1,2-Trichloroethane	10.53	97	47804	16.556	ug/l	98
51) Ethyl methacrylate	10.40	69	77331	15.907	ug/l	99
52) 1,3-Dichloropropane	10.68	76	87007	16.418	ug/l	100
53) Dibromochloromethane	10.87	129	51830	16.475	ug/l	100
54) 1,2-Dibromoethane	10.98	107	49439	16.728	ug/l	96
55) 2-Chloroethyl vinyl ether	9.66	63	119442	76.923	ug/l	99
56) Bromoform	12.10	173	35575	16.556	ug/l	99
58) 4-Methyl-2-Pentanone	9.95	43	370837	83.901	ug/l	99
59) 2-Hexanone	10.72	43	263928	81.419	ug/l	100
61) Tetrachloroethene	10.60	164	38384	16.522	ug/l	93
62) Toluene	10.12	91	212262	16.493	ug/l	98
64) Chlorobenzene	11.40	112	125726	16.625	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	46474	16.602	ug/l	99
66) Ethyl Benzene	11.48	91	227163	15.939	ug/l	98
67) m/p-Xylenes	11.60	106	168023	32.482	ug/l	99
68) o-Xylene	11.92	106	79978	16.111	ug/l	98
69) Styrene	11.94	104	132062	15.674	ug/l	99
70) Isopropylbenzene	12.22	105	214242	16.077	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	73068	16.965	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	63901m	15.253	ug/l	
73) Bromobenzene	12.50	156	48906	15.846	ug/l	97
74) n-propylbenzene	12.56	91	248274	15.673	ug/l	100
75) 2-Chlorotoluene	12.65	91	153690	16.115	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	177471	15.630	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	22673	14.470	ug/l	91
78) 4-Chlorotoluene	12.75	91	152890	15.710	ug/l	99
79) tert-butylbenzene	12.97	119	147014	15.636	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	172791	15.472	ug/l	100
81) sec-Butylbenzene	13.15	105	195820	15.508	ug/l	100
82) p-Isopropyltoluene	13.26	119	168640	15.134	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	83157	15.515	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	81178	15.349	ug/l	97
85) n-Butylbenzene	13.59	91	134501	14.071	ug/l	99
86) Hexachloroethane	13.85	117	33555	15.606	ug/l	99
87) 1,2-Dichlorobenzene	13.63	146	81852	15.881	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.24	75	12566	15.449	ug/l	97
89) 1,2,4-Trichlorobenzene	14.88	180	34846	13.581	ug/l	98
90) Hexachlorobutadiene	14.98	225	21925	15.406	ug/l	97
91) Naphthalene	15.10	128	91019	13.083	ug/l	98
92) 1,2,3-Trichlorobenzene	15.28	180	36275	14.027	ug/l	96

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

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