

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051420\
 Data File : VN061402.D
 Acq On : 14 May 2020 19:16
 Operator : JC/MD
 Sample : L2182-08 5.0 PPB L00
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2020

Manual Integrations
 APPROVED

MMDadoda
 5/15/2020 2:11:06 PM

Quant Time: May 15 07:26:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N051420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 14 16:04:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	17439	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	102363	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	91657	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	48698	31.18	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.93%
60) 4-Bromofluorobenzene	12.38	95	44473	28.42	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.73%
63) Toluene-d8	10.06	98	130956	30.86	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.87%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	3796	4.781 ug/l	96
3) Chloromethane	2.03	50	8315	5.727 ug/l	97
4) Vinyl Chloride	2.16	62	11004	5.654 ug/l	99
5) Bromomethane	2.54	94	6285	6.358 ug/l	100
6) Chloroethane	2.67	64	7758	5.892 ug/l	99
7) Trichlorofluoromethane	2.98	101	9816	4.713 ug/l	96
8) Diethyl Ether	3.37	74	3363	5.077 ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.72	101	4876	5.480 ug/l	51
10) 1,1-Dichloroethene	3.69	96	5356	5.718 ug/l	93
11) Methyl Iodide	3.91	142	5565	5.489 ug/l	96
12) Methyl Acetate	4.28	43	5942	5.223 ug/l	100
13) Acrolein	3.57	56	5729	29.909 ug/l	96
14) Acrylonitrile	4.93	53	14284	26.749 ug/l #	86
15) Acetone	3.77	58	3544	27.637 ug/l #	60
16) Carbon Disulfide	4.01	76	15965	6.063 ug/l	98
17) Allyl chloride	4.27	41	9535	5.057 ug/l	99
18) Methylene Chloride	4.51	84	6278	5.554 ug/l	93
19) trans-1,2-Dichloroethene	4.98	96	5652m	5.070 ug/l	
20) Diisopropyl ether	5.90	45	23083	5.259 ug/l	97
21) 1,1-Dichloroethane	5.80	63	11958	5.217 ug/l	97
22) cis-1,2-Dichloroethene	6.78	96	7148	5.468 ug/l	98
23) tert-Butyl Alcohol	4.73	59	5752	33.604 ug/l #	100
24) Methyl tert-Butyl Ether	5.00	73	20313	5.343 ug/l	99
25) Chloroform	7.33	83	11791	5.307 ug/l	99
26) Cyclohexane	7.61	56	11847	5.413 ug/l #	93
29) 1,1-Dichloropropene	7.75	75	9473	5.274 ug/l	96
30) 2-Butanone	6.79	43	20821	27.401 ug/l	97
31) 2,2-Dichloropropane	6.77	77	10820	5.156 ug/l	94
32) 1,1,1-Trichloroethane	7.53	97	10301	5.125 ug/l	97
33) Carbon Tetrachloride	7.73	117	7056	4.574 ug/l	97
34) Benzene	8.00	78	25517	5.021 ug/l #	65
35) Methacrylonitrile	7.13	41	4930	6.469 ug/l	89
36) 1,2-Dichloroethane	8.09	62	10260	5.259 ug/l	98
37) Trichloroethene	8.80	130	6439	5.146 ug/l	100
38) Methylcyclohexane	9.05	83	10412	4.829 ug/l	90
39) 1,2-Dichloropropane	9.09	63	7434	5.321 ug/l	99
40) Dibromomethane	9.18	93	4574	5.301 ug/l	87

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

41) Bromodichloromethane	9.37	83	9628	5.143	ug/l #	98
42) Vinyl Acetate	5.84	43	94295	26.132	ug/l	99
43) Ethyl Acetate	6.88	43	7499	4.620	ug/l	99
44) Isopropyl Acetate	8.13	43	17719	5.623	ug/l #	89
45) 1,4-Dioxane	9.16	88	1897	152.541	ug/l #	78
46) Methyl methacrylate	9.17	41	7561	5.102	ug/l	93
47) n-amyl Acetate	12.05	43	13513	4.808	ug/l	98
48) t-1,3-Dichloropropene	10.36	75	10851	4.912	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	11505	4.924	ug/l	95
50) 1,1,2-Trichloroethane	10.53	97	6179	5.179	ug/l	94
51) Ethyl methacrylate	10.40	69	10405	5.062	ug/l	88
52) 1,3-Dichloropropane	10.68	76	11260	5.168	ug/l	99
53) Dibromochloromethane	10.87	129	5861	4.483	ug/l	97
54) 1,2-Dibromoethane	10.98	107	5968	4.848	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	22606	24.849	ug/l	98
56) Bromoform	12.10	173	3590	4.367	ug/l #	95
58) 4-Methyl-2-Pentanone	9.95	43	45353	27.154	ug/l	99
59) 2-Hexanone	10.72	43	31445	26.616	ug/l	100
61) Tetrachloroethene	10.60	164	5877	5.127	ug/l	94
62) Toluene	10.12	91	28015	5.271	ug/l	100
64) Chlorobenzene	11.41	112	15785	5.018	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	5836	5.077	ug/l	97
66) Ethyl Benzene	11.49	91	30822	5.053	ug/l	100
67) m/p-Xylenes	11.59	106	22085	9.806	ug/l	97
68) o-Xylene	11.92	106	10553	4.909	ug/l	94
69) Styrene	11.94	104	17007	4.598	ug/l	98
70) Isopropylbenzene	12.22	105	28146	4.833	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	8608	5.350	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	7022m	4.576	ug/l	
73) Bromobenzene	12.50	156	5695	4.708	ug/l	98
74) n-propylbenzene	12.57	91	33629	4.856	ug/l	97
75) 2-Chlorotoluene	12.65	91	19193	4.833	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	23628	4.834	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	2808	4.396	ug/l	96
78) 4-Chlorotoluene	12.75	91	19739	4.747	ug/l	96
79) tert-butylbenzene	12.97	119	20129	4.958	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	22634	4.640	ug/l	100
81) sec-Butylbenzene	13.15	105	26923	4.814	ug/l	99
82) p-Isopropyltoluene	13.26	119	23184	4.603	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	10221	4.546	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	9731	4.373	ug/l	98
85) n-Butylbenzene	13.59	91	21334	4.575	ug/l	98
86) Hexachloroethane	13.85	117	3238	4.612	ug/l	79
87) 1,2-Dichlorobenzene	13.63	146	9879	4.632	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.25	75	1455	4.243	ug/l	95
89) 1,2,4-Trichlorobenzene	14.89	180	4873	3.977	ug/l	98
90) Hexachlorobutadiene	14.99	225	2277	4.562	ug/l	94
91) Naphthalene	15.10	128	15882	4.121	ug/l	99
92) 1,2,3-Trichlorobenzene	15.29	180	5044	4.238	ug/l	98

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

