

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
 Data File : VN063907.D
 Acq On : 6 Oct 2020 20:43
 Operator : JC/MD
 Sample : VN1006WBSD03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1006WBSD03

Manual Integrations
 APPROVED

MMDadoda
 10/7/2020 12:11:55 PM

Quant Time: Oct 07 04:45:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 06 16:42:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	48806	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	264849	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	246250	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	134525	30.69	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.30%
60) 4-Bromofluorobenzene	12.38	95	121489	28.85	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.17%
63) Toluene-d8	10.06	98	336916	30.19	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	67141	20.325	ug/l 93
3) Chloromethane	2.04	50	64638	18.909	ug/l 99
4) Vinyl Chloride	2.17	62	66317	19.501	ug/l 99
5) Bromomethane	2.54	94	30249	13.820	ug/l 99
6) Chloroethane	2.68	64	40253	18.868	ug/l 96
7) Trichlorofluoromethane	2.99	101	105768	19.702	ug/l 99
8) Diethyl Ether	3.38	74	33738	19.409	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	53632	19.226	ug/l 93
10) 1,1-Dichloroethene	3.70	96	49989	19.087	ug/l 90
11) Methyl Iodide	3.91	142	47102	14.096	ug/l 88
12) Methyl Acetate	4.28	43	57486	17.835	ug/l 93
13) Acrolein	3.57	56	28736	91.594	ug/l 99
14) Acrylonitrile	4.93	53	110584	83.445	ug/l 96
15) Acetone	3.78	58	32573m	84.912	ug/l
16) Carbon Disulfide	4.02	76	145530	18.738	ug/l 99
17) Allyl chloride	4.28	41	87973	18.047	ug/l 83
18) Methylene Chloride	4.50	84	60727	19.345	ug/l 89
19) trans-1,2-Dichloroethene	4.99	96	55441	18.741	ug/l 93
20) Diisopropyl ether	5.90	45	184068	18.784	ug/l # 87
21) 1,1-Dichloroethane	5.80	63	118165	19.919	ug/l 100
22) cis-1,2-Dichloroethene	6.78	96	64132	19.097	ug/l 93
23) tert-Butyl Alcohol	4.72	59	41449	72.916	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	162131	18.453	ug/l # 86
25) Chloroform	7.33	83	118138	18.993	ug/l 98
26) Cyclohexane	7.61	56	78977	18.483	ug/l # 98
29) 1,1-Dichloropropene	7.75	75	81357	17.541	ug/l 97
30) 2-Butanone	6.78	43	175598	77.191	ug/l 95
31) 2,2-Dichloropropane	6.78	77	93181	16.811	ug/l 97
32) 1,1,1-Trichloroethane	7.53	97	106589	18.014	ug/l 97
33) Carbon Tetrachloride	7.73	117	91805	17.709	ug/l 88
34) Benzene	8.00	78	241047	18.279	ug/l 96
35) Methacrylonitrile	7.13	41	35419	16.382	ug/l 91
36) 1,2-Dichloroethane	8.09	62	105797	18.260	ug/l # 93
37) Trichloroethene	8.80	130	60403	17.482	ug/l 91
38) Methylcyclohexane	9.05	83	69696	17.797	ug/l 100
39) 1,2-Dichloropropane	9.08	63	65965	18.410	ug/l 100
40) Dibromomethane	9.17	93	44735	17.877	ug/l 92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	93929	18.059	ug/l	97
42) Vinyl Acetate	5.85	43	830152	87.928	ug/l	98
43) Ethyl Acetate	6.88	43	79928	16.407	ug/l #	91
44) Isopropyl Acetate	8.13	43	134724	16.687	ug/l #	87
45) 1,4-Dioxane	9.16	88	14014	270.740	ug/l	95
46) Methyl methacrylate	9.17	41	68598	17.078	ug/l	84
47) n-amyl Acetate	12.05	43	112479	15.670	ug/l	94
48) t-1,3-Dichloropropene	10.35	75	98346	17.498	ug/l	98
49) cis-1,3-Dichloropropene	9.81	75	101417	17.401	ug/l #	85
50) 1,1,2-Trichloroethane	10.53	97	58678	17.560	ug/l	98
52) 1,3-Dichloropropane	10.68	76	100671	17.588	ug/l	99
53) Dibromochloromethane	10.87	129	67772	17.622	ug/l	100
54) 1,2-Dibromoethane	10.98	107	61793	17.637	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	221661	85.700	ug/l	98
56) Bromoform	12.10	173	44859	16.833	ug/l	94
58) 4-Methyl-2-Pentanone	9.95	43	406396	85.036	ug/l	94
59) 2-Hexanone	10.72	43	281062	78.957	ug/l	95
61) Tetrachloroethene	10.60	164	56818	18.188	ug/l #	89
62) Toluene	10.13	91	263586	18.637	ug/l	100
64) Chlorobenzene	11.41	112	157399	18.362	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	61101	18.225	ug/l	98
66) Ethyl Benzene	11.49	91	286181	18.427	ug/l	96
67) m/p-Xylenes	11.59	106	210127	36.383	ug/l	96
68) o-Xylene	11.92	106	100243	18.218	ug/l	94
69) Styrene	11.94	104	167926	17.886	ug/l	95
70) Isopropylbenzene	12.23	105	265977	18.191	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.48	83	80948	17.515	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	76327m	16.196	ug/l	
73) Bromobenzene	12.50	156	68145	18.388	ug/l	91
74) n-propylbenzene	12.57	91	304539	17.817	ug/l	99
75) 2-Chlorotoluene	12.65	91	192620	18.475	ug/l	96
76) 1,3,5-Trimethylbenzene	12.71	105	220595	17.891	ug/l	100
77) t-1,4-Dichloro-2-butene	12.28	75	23957	14.292	ug/l	77
78) 4-Chlorotoluene	12.75	91	196266	17.777	ug/l	98
79) tert-butylbenzene	12.97	119	178069	18.027	ug/l	96
80) 1,2,4-Trimethylbenzene	13.01	105	220419	17.833	ug/l	99
81) sec-Butylbenzene	13.15	105	232824	17.932	ug/l	98
82) p-Isopropyltoluene	13.26	119	206680	17.613	ug/l	95
83) 1,3-Dichlorobenzene	13.26	146	115342	17.500	ug/l	96
84) 1,4-Dichlorobenzene	13.34	146	116657	17.818	ug/l	98
85) n-Butylbenzene	13.59	91	173350	16.884	ug/l	99
86) Hexachloroethane	13.85	117	35380	17.494	ug/l	84
87) 1,2-Dichlorobenzene	13.63	146	114820	17.754	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.24	75	17159	15.538	ug/l	88
89) 1,2,4-Trichlorobenzene	14.88	180	55117	16.766	ug/l	97
90) Hexachlorobutadiene	14.98	225	32394	18.605	ug/l	98
91) Naphthalene	15.10	128	154184	15.332	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	53425	16.685	ug/l	99

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

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