

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111020\
 Data File : VN064521.D
 Acq On : 10 Nov 2020 13:23
 Operator : JC/MD
 Sample : VN1110WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1110WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/11/2020 1:01:22 PM

Quant Time: Nov 11 02:32:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110920W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 09 13:16:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	58377	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	317158	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	303357	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	163369	31.61	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.37%
60) 4-Bromofluorobenzene	12.38	95	151962	29.24	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.47%
63) Toluene-d8	10.06	98	417469	29.51	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	84328	21.569 ug/l	95
3) Chloromethane	2.04	50	93765	21.017 ug/l	97
4) Vinyl Chloride	2.17	62	100603	20.812 ug/l	100
5) Bromomethane	2.54	94	63306	20.011 ug/l	96
6) Chloroethane	2.68	64	64515	21.373 ug/l	96
7) Trichlorofluoromethane	2.99	101	156082	22.299 ug/l	99
8) Diethyl Ether	3.37	74	53542	21.418 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	73226	22.228 ug/l	53
10) 1,1-Dichloroethene	3.69	96	64261	20.391 ug/l	98
11) Methyl Iodide	3.91	142	78008	20.078 ug/l	97
12) Methyl Acetate	4.28	43	76632	19.944 ug/l	96
13) Acrolein	3.57	56	40130	103.279 ug/l	99
14) Acrylonitrile	4.93	53	169334m	99.091 ug/l	
15) Acetone	3.78	58	53719	95.253 ug/l	93
16) Carbon Disulfide	4.01	76	195898	20.483 ug/l	100
17) Allyl chloride	4.27	41	118738	20.054 ug/l	99
18) Methylene Chloride	4.50	84	79022	21.117 ug/l	94
19) trans-1,2-Dichloroethene	4.98	96	75050	21.012 ug/l	93
20) Diisopropyl ether	5.90	45	259107	20.098 ug/l	89
21) 1,1-Dichloroethane	5.80	63	148486	20.944 ug/l	98
22) cis-1,2-Dichloroethene	6.78	96	82324	20.337 ug/l	97
23) tert-Butyl Alcohol	4.74	59	58198	99.461 ug/l	# 100
24) Methyl tert-Butyl Ether	5.00	73	221645	19.884 ug/l	# 72
25) Chloroform	7.33	83	157566	21.149 ug/l	98
26) Cyclohexane	7.61	56	105076	19.197 ug/l	95
29) 1,1-Dichloropropene	7.75	75	110475	20.072 ug/l	99
30) 2-Butanone	6.79	43	256025	93.970 ug/l	# 82
31) 2,2-Dichloropropane	6.78	77	134790	20.617 ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	139068	20.599 ug/l	99
33) Carbon Tetrachloride	7.73	117	124758	20.693 ug/l	99
34) Benzene	8.00	78	325480	20.423 ug/l	99
35) Methacrylonitrile	7.13	41	41343	16.220 ug/l	95
36) 1,2-Dichloroethane	8.09	62	134538	20.572 ug/l	98
37) Trichloroethene	8.80	130	81629	20.258 ug/l	93
38) Methylcyclohexane	9.05	83	95149	19.113 ug/l	99
39) 1,2-Dichloropropane	9.08	63	88003	20.552 ug/l	98
40) Dibromomethane	9.17	93	61086	21.146 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	129825	20.736	ug/l	97
42) Vinyl Acetate	5.85	43	1059503	97.137	ug/l #	89
43) Ethyl Acetate	6.88	43	107077	20.198	ug/l #	87
44) Isopropyl Acetate	8.13	43	175740	19.204	ug/l	93
45) 1,4-Dioxane	9.17	88	24979	389.370	ug/l	96
46) Methyl methacrylate	9.17	41	86813	19.075	ug/l	99
47) n-amyl Acetate	12.05	43	141421	17.864	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	127757	19.256	ug/l	98
49) cis-1,3-Dichloropropene	9.81	75	142717	20.472	ug/l	100
50) 1,1,2-Trichloroethane	10.53	97	78983	19.943	ug/l	97
51) Ethyl methacrylate	10.40	69	105180	18.533	ug/l	95
52) 1,3-Dichloropropane	10.68	76	135595	19.929	ug/l	100
53) Dibromochloromethane	10.87	129	90870	20.034	ug/l	98
54) 1,2-Dibromoethane	10.98	107	81917	20.222	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	254226	85.597	ug/l	99
56) Bromoform	12.10	173	58582	19.682	ug/l #	97
58) 4-Methyl-2-Pentanone	9.95	43	534316	95.913	ug/l	99
59) 2-Hexanone	10.72	43	391470	93.299	ug/l	99
61) Tetrachloroethene	10.60	164	78715	20.759	ug/l	98
62) Toluene	10.13	91	355774	19.970	ug/l	100
64) Chlorobenzene	11.41	112	211483	19.971	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	83229	20.105	ug/l	99
66) Ethyl Benzene	11.48	91	365232	18.996	ug/l	99
67) m/p-Xylenes	11.59	106	274842	38.729	ug/l	98
68) o-Xylene	11.92	106	130130	19.377	ug/l	98
69) Styrene	11.94	104	222933	19.384	ug/l	98
70) Isopropylbenzene	12.22	105	343425	19.537	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	107333	19.067	ug/l	97
72) 1,2,3-Trichloropropane	12.53	75	113991m	20.305	ug/l	
73) Bromobenzene	12.50	156	83502	19.203	ug/l	98
74) n-propylbenzene	12.57	91	407137	19.692	ug/l	100
75) 2-Chlorotoluene	12.65	91	251675	19.360	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	296105	19.955	ug/l	99
77) t-1,4-Dichloro-2-butene	12.28	75	34783	16.993	ug/l	91
78) 4-Chlorotoluene	12.75	91	256776	18.798	ug/l	99
79) tert-butylbenzene	12.97	119	220195	18.909	ug/l	99
80) 1,2,4-Trimethylbenzene	13.02	105	291010	19.461	ug/l	100
81) sec-Butylbenzene	13.14	105	294066	19.050	ug/l	100
82) p-Isopropyltoluene	13.26	119	263381	19.099	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	149740	19.575	ug/l	97
84) 1,4-Dichlorobenzene	13.34	146	141205	18.560	ug/l	99
85) n-Butylbenzene	13.59	91	217895	18.225	ug/l	98
86) Hexachloroethane	13.85	117	52157	18.980	ug/l	97
87) 1,2-Dichlorobenzene	13.63	146	144130	19.345	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	21286	17.503	ug/l	99
89) 1,2,4-Trichlorobenzene	14.88	180	56647	16.746	ug/l	99
90) Hexachlorobutadiene	14.98	225	31872	18.917	ug/l	99
91) Naphthalene	15.11	128	174351	15.580	ug/l	100
92) 1,2,3-Trichlorobenzene	15.29	180	60600	17.701	ug/l	97

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

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