

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\
 Data File : VN063037.D
 Acq On : 20 Aug 2020 15:36
 Operator : JC/MD
 Sample : VN0820WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0820WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/21/2020 9:21:11 AM

Quant Time: Aug 21 06:04:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Aug 20 14:01:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	29709	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	152471	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	145255	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	63539	30.19	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.63%
60) 4-Bromofluorobenzene	12.38	95	67700	29.49	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.30%
63) Toluene-d8	10.06	98	201350	30.20	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	45392	21.370 ug/l	96
3) Chloromethane	2.04	50	49291	20.971 ug/l	99
4) Vinyl Chloride	2.16	62	47924	20.254 ug/l	98
5) Bromomethane	2.53	94	30925	21.203 ug/l	99
6) Chloroethane	2.67	64	28621	20.466 ug/l	99
7) Trichlorofluoromethane	2.98	101	58187	20.392 ug/l	98
8) Diethyl Ether	3.37	74	19381	20.422 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	30308	19.644 ug/l	90
10) 1,1-Dichloroethene	3.70	96	26973	19.456 ug/l	96
11) Methyl Iodide	3.91	142	36807	19.350 ug/l	97
12) Methyl Acetate	4.28	43	37751m	20.429 ug/l	
13) Acrolein	3.57	56	15111	79.785 ug/l	100
14) Acrylonitrile	4.93	53	82570	102.043 ug/l	98
15) Acetone	3.77	58	22993	98.182 ug/l	98
16) Carbon Disulfide	4.00	76	73698	19.802 ug/l	99
17) Allyl chloride	4.28	41	49905	19.617 ug/l	97
18) Methylene Chloride	4.50	84	49938	25.745 ug/l	99
19) trans-1,2-Dichloroethene	4.98	96	29718	19.494 ug/l	95
20) Diisopropyl ether	5.90	45	124393	20.878 ug/l	99
21) 1,1-Dichloroethane	5.80	63	66255	20.262 ug/l	98
22) cis-1,2-Dichloroethene	6.78	96	37770	19.992 ug/l	97
23) tert-Butyl Alcohol	4.73	59	27257	102.820 ug/l	# 100
24) Methyl tert-Butyl Ether	4.99	73	101159	19.890 ug/l	99
25) Chloroform	7.33	83	65202	20.022 ug/l	97
26) Cyclohexane	7.61	56	54579	19.389 ug/l	# 99
29) 1,1-Dichloropropene	7.75	75	42948	19.396 ug/l	99
30) 2-Butanone	6.78	43	102731	99.541 ug/l	100
31) 2,2-Dichloropropane	6.77	77	51616	19.178 ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	53105	19.913 ug/l	99
33) Carbon Tetrachloride	7.73	117	43438	19.128 ug/l	95
34) Benzene	8.00	78	140276	19.769 ug/l	96
35) Methacrylonitrile	7.14	41	23270m	23.724 ug/l	
36) 1,2-Dichloroethane	8.09	62	48837	20.174 ug/l	100
37) Trichloroethene	8.80	130	34130	19.640 ug/l	99
38) Methylcyclohexane	9.04	83	52601	18.940 ug/l	99
39) 1,2-Dichloropropane	9.08	63	40912	19.811 ug/l	98
40) Dibromomethane	9.17	93	24642	20.552 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	52878	19.901	ug/l	99
42) Vinyl Acetate	5.84	43	374942	95.902	ug/l	100
43) Ethyl Acetate	6.88	43	38840	19.717	ug/l	99
44) Isopropyl Acetate	8.12	43	66756	20.187	ug/l	98
45) 1,4-Dioxane	9.17	88	13626	439.946	ug/l	95
46) Methyl methacrylate	9.17	41	31875	19.578	ug/l	95
47) n-amyl Acetate	12.05	43	53848	18.346	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	54278	19.342	ug/l	94
49) cis-1,3-Dichloropropene	9.81	75	59526	19.488	ug/l	99
50) 1,1,2-Trichloroethane	10.53	97	37128	20.083	ug/l	94
51) Ethyl methacrylate	10.40	69	47647	18.943	ug/l	97
52) 1,3-Dichloropropane	10.68	76	61300	20.070	ug/l	98
53) Dibromochloromethane	10.87	129	40146	19.789	ug/l	98
54) 1,2-Dibromoethane	10.98	107	35651	20.102	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	47252	91.459	ug/l	99
56) Bromoform	12.10	173	28823	19.402	ug/l	96
58) 4-Methyl-2-Pentanone	9.95	43	213798	102.317	ug/l	100
59) 2-Hexanone	10.72	43	149146	100.058	ug/l	99
61) Tetrachloroethene	10.60	164	31866	20.012	ug/l	98
62) Toluene	10.12	91	153102	19.888	ug/l	99
64) Chlorobenzene	11.40	112	93847	19.701	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	37195	19.701	ug/l	100
66) Ethyl Benzene	11.48	91	159288	18.982	ug/l	98
67) m/p-Xylenes	11.59	106	122114	38.844	ug/l	100
68) o-Xylene	11.92	106	57458	19.027	ug/l	98
69) Styrene	11.94	104	102531	19.436	ug/l	99
70) Isopropylbenzene	12.22	105	157981	19.231	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	52382	19.884	ug/l	100
72) 1,2,3-Trichloropropane	12.53	75	46476m	19.882	ug/l	
73) Bromobenzene	12.50	156	44048	19.883	ug/l	97
74) n-propylbenzene	12.57	91	184459	18.719	ug/l	100
75) 2-Chlorotoluene	12.65	91	113032	19.246	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	133750	19.078	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	15414	18.657	ug/l	97
78) 4-Chlorotoluene	12.75	91	115216	19.027	ug/l	98
79) tert-butylbenzene	12.97	119	111320	18.872	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	124777	18.284	ug/l	99
81) sec-Butylbenzene	13.15	105	153127	18.845	ug/l	100
82) p-Isopropyltoluene	13.27	119	129687	18.003	ug/l	100
83) 1,3-Dichlorobenzene	13.26	146	73510	19.005	ug/l	100
84) 1,4-Dichlorobenzene	13.34	146	72002	19.046	ug/l	98
85) n-Butylbenzene	13.59	91	99760	16.664	ug/l	99
86) Hexachloroethane	13.85	117	26719	18.832	ug/l	99
87) 1,2-Dichlorobenzene	13.63	146	70207	18.952	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	7899	18.903	ug/l	95
89) 1,2,4-Trichlorobenzene	14.88	180	29582	16.181	ug/l	99
90) Hexachlorobutadiene	14.98	225	25497	18.843	ug/l	97
91) Naphthalene	15.10	128	61235	15.158	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	31041	17.007	ug/l	98

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

