

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102319\
 Data File : VN058912.D
 Acq On : 22 Oct 2019 16:30
 Operator : JC/SP
 Sample : VN1023WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1023WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/23/2019 3:09:57 PM

Quant Time: Oct 23 02:26:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	57424	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	307535	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	290123	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	151422	31.07	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.57%
60) 4-Bromofluorobenzene	12.40	95	146730	28.91	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.37%
63) Toluene-d8	10.08	98	411988	30.08	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	67827	21.800	ug/l 99
3) Chloromethane	2.04	50	89178	21.458	ug/l 99
4) Vinyl Chloride	2.17	62	91006	21.187	ug/l 99
5) Bromomethane	2.55	94	57501	21.682	ug/l 98
6) Chloroethane	2.68	64	59873	22.176	ug/l 99
7) Trichlorofluoromethane	3.00	101	116750	22.083	ug/l 98
8) Diethyl Ether	3.39	74	41628	20.644	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	65297	21.345	ug/l 99
10) 1,1-Dichloroethene	3.72	96	61263	20.390	ug/l 93
11) Methyl Iodide	3.93	142	83376	19.926	ug/l 97
12) Methyl Acetate	4.30	43	100507	20.908	ug/l 98
13) Acrolein	3.59	56	56991	107.300	ug/l 97
14) Acrylonitrile	4.96	53	194053	102.451	ug/l 98
15) Acetone	3.80	58	63927	113.701	ug/l 97
16) Carbon Disulfide	4.03	76	181813	20.747	ug/l 99
17) Allyl chloride	4.30	41	114780	19.194	ug/l 95
18) Methylene Chloride	4.53	84	78370	21.540	ug/l 97
19) trans-1,2-Dichloroethene	5.01	96	68352	20.897	ug/l 92
20) Diisopropyl ether	5.93	45	261679	21.477	ug/l 96
21) 1,1-Dichloroethane	5.82	63	142801	21.165	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	78081	20.021	ug/l 96
23) tert-Butyl Alcohol	4.76	59	67677	87.355	ug/l # 100
24) Methyl tert-Butyl Ether	5.01	73	225204	20.092	ug/l # 82
25) Chloroform	7.35	83	142531	21.182	ug/l 98
26) Cyclohexane	7.64	56	117959	19.919	ug/l # 97
29) 1,1-Dichloropropene	7.78	75	101724	21.013	ug/l 99
30) 2-Butanone	6.82	43	280089	102.384	ug/l 99
31) 2,2-Dichloropropane	6.80	77	123766	21.691	ug/l 98
32) 1,1,1-Trichloroethane	7.55	97	121649	21.727	ug/l 99
33) Carbon Tetrachloride	7.76	117	105571	21.783	ug/l 99
34) Benzene	8.02	78	308668	21.658	ug/l 96
35) Methacrylonitrile	7.15	41	42570	17.615	ug/l 87
36) 1,2-Dichloroethane	8.11	62	122045	22.397	ug/l 99
37) Trichloroethene	8.82	130	75802	21.650	ug/l 96
38) Methylcyclohexane	9.07	83	110828	19.745	ug/l 97
39) 1,2-Dichloropropane	9.11	63	84498	21.695	ug/l 97
40) Dibromomethane	9.20	93	53080	21.588	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	111271	22.152	ug/l	99
42) Vinyl Acetate	5.87	43	1061994	110.844	ug/l	99
43) Ethyl Acetate	6.91	43	115096	21.435	ug/l	97
44) Isopropyl Acetate	8.15	43	178645	20.540	ug/l #	89
45) 1,4-Dioxane	9.19	88	24606	368.435	ug/l	96
46) Methyl methacrylate	9.19	41	81256	20.350	ug/l	98
47) n-amyl Acetate	12.07	43	145458	18.866	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	120566	20.696	ug/l	100
49) cis-1,3-Dichloropropene	9.83	75	128817	21.057	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	76279	21.732	ug/l	97
51) Ethyl methacrylate	10.43	69	108608	19.351	ug/l	96
52) 1,3-Dichloropropane	10.70	76	131704	21.069	ug/l	99
53) Dibromochloromethane	10.90	129	80734	21.432	ug/l	98
54) 1,2-Dibromoethane	11.00	107	76836	21.119	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	260217	93.205	ug/l	100
56) Bromoform	12.13	173	55598	21.187	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	562093	106.203	ug/l	99
59) 2-Hexanone	10.75	43	409219	98.625	ug/l	99
61) Tetrachloroethene	10.63	164	65348	20.844	ug/l	94
62) Toluene	10.15	91	326150	20.899	ug/l	100
64) Chlorobenzene	11.43	112	193979	20.331	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	74560	20.841	ug/l	98
66) Ethyl Benzene	11.51	91	347880	20.132	ug/l	99
67) m/p-Xylenes	11.62	106	257235	39.844	ug/l	99
68) o-Xylene	11.95	106	121294	19.380	ug/l	97
69) Styrene	11.97	104	199650	19.309	ug/l	100
70) Isopropylbenzene	12.25	105	337841	19.994	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	115552	20.313	ug/l	98
72) 1,2,3-Trichloropropane	12.56	75	110112m	21.362	ug/l	
73) Bromobenzene	12.53	156	82503	20.102	ug/l	99
74) n-propylbenzene	12.59	91	400332	20.241	ug/l	99
75) 2-Chlorotoluene	12.68	91	241284	20.276	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	289187	19.982	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	36178	18.424	ug/l	97
78) 4-Chlorotoluene	12.78	91	245184	19.991	ug/l	99
79) tert-butylbenzene	13.00	119	242097	19.580	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	285864	19.878	ug/l	99
81) sec-Butylbenzene	13.17	105	327490	19.681	ug/l	100
82) p-Isopropyltoluene	13.29	119	288939	19.337	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	145370	19.574	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	141242	19.040	ug/l	99
85) n-Butylbenzene	13.62	91	249424	18.232	ug/l	99
86) Hexachloroethane	13.88	117	55152	20.281	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	145227	19.808	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	23835	18.825	ug/l	98
89) 1,2,4-Trichlorobenzene	14.92	180	78056	16.860	ug/l	99
90) Hexachlorobutadiene	15.01	225	44511	18.619	ug/l	99
91) Naphthalene	15.13	128	222774	16.298	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	79296	17.596	ug/l	99

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

