

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061219\
 Data File : VN056241.D
 Acq On : 12 Jun 2019 11:37
 Operator : JC/SP
 Sample : VN0612WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0612WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/13/2019 9:42:20 AM

Quant Time: Jun 13 05:01:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	49104	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	245053	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	217806	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	90251	29.60	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.67%
60) 4-Bromofluorobenzene	12.40	95	95099	29.46	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.20%
63) Toluene-d8	10.09	98	300771	30.44	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.47%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	56015	20.282	ug/l 97
3) Chloromethane	2.06	50	65918	20.428	ug/l 99
4) Vinyl Chloride	2.18	62	61967	18.835	ug/l 99
5) Bromomethane	2.54	94	39805	19.251	ug/l 97
6) Chloroethane	2.69	64	36313	19.513	ug/l 99
7) Trichlorofluoromethane	3.01	101	80304	19.728	ug/l 99
8) Diethyl Ether	3.40	74	30827	17.856	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	49941	19.875	ug/l 100
10) 1,1-Dichloroethene	3.72	96	48690	18.996	ug/l 97
11) Methyl Iodide	3.94	142	73634	18.208	ug/l 96
12) Methyl Acetate	4.33	43	58935	19.134	ug/l 99
13) Acrolein	3.60	56	14794	98.542	ug/l 100
14) Acrylonitrile	4.99	53	129591	94.344	ug/l 100
15) Acetone	3.82	58	38377	85.329	ug/l 95
16) Carbon Disulfide	4.04	76	117126	19.205	ug/l 99
17) Allyl chloride	4.31	41	74990	18.882	ug/l 99
18) Methylene Chloride	4.54	84	58298	19.646	ug/l 97
19) trans-1,2-Dichloroethene	5.03	96	53294	19.478	ug/l 97
20) Diisopropyl ether	5.96	45	155820	18.937	ug/l 99
21) 1,1-Dichloroethane	5.84	63	91484	19.131	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	60085	18.815	ug/l 98
23) tert-Butyl Alcohol	4.81	59	37511	70.159	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	148777	18.213	ug/l 100
25) Chloroform	7.37	83	95287	19.956	ug/l 97
26) Cyclohexane	7.65	56	83129	18.738	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	68272	20.596	ug/l 98
30) 2-Butanone	6.84	43	173664	99.518	ug/l 99
31) 2,2-Dichloropropane	6.82	77	59088	19.162	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	77248	21.093	ug/l 98
33) Carbon Tetrachloride	7.77	117	67446	21.737	ug/l 98
34) Benzene	8.04	78	218263	20.666	ug/l 99
35) Methacrylonitrile	7.17	41	33426	22.683	ug/l 97
36) 1,2-Dichloroethane	8.12	62	70426	21.288	ug/l 98
37) Trichloroethene	8.83	130	61237	20.720	ug/l 98
38) Methylcyclohexane	9.08	83	83173	19.792	ug/l 99
39) 1,2-Dichloropropane	9.12	63	55763	20.615	ug/l 97
40) Dibromomethane	9.21	93	38032	21.205	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	69900	21.765	ug/l	97
42) Vinyl Acetate	5.90	43	628333	100.996	ug/l	99
43) Ethyl Acetate	6.93	43	68277	20.444	ug/l	93
44) Isopropyl Acetate	8.17	43	99691	19.225	ug/l	98
45) 1,4-Dioxane	9.20	88	22692	409.077	ug/l	97
46) Methyl methacrylate	9.20	41	49601	19.255	ug/l	95
47) n-amyl Acetate	12.07	43	81063	18.903	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	63084	18.665	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	78086	19.731	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	55320	20.767	ug/l	97
51) Ethyl methacrylate	10.43	69	76123	18.888	ug/l	97
52) 1,3-Dichloropropane	10.71	76	90002	20.840	ug/l	99
53) Dibromochloromethane	10.90	129	58417	22.402	ug/l	98
54) 1,2-Dibromoethane	11.01	107	57190	20.573	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	126110	89.336	ug/l	99
56) Bromoform	12.13	173	41703	22.106	ug/l #	98
58) 4-Methyl-2-Pentanone	9.99	43	334844	101.526	ug/l	99
59) 2-Hexanone	10.75	43	236027	100.125	ug/l	99
61) Tetrachloroethene	10.63	164	64260	21.169	ug/l	94
62) Toluene	10.16	91	239164	20.340	ug/l	100
64) Chlorobenzene	11.43	112	146070	20.481	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	54986	21.381	ug/l	99
66) Ethyl Benzene	11.51	91	249542	19.926	ug/l	99
67) m/p-Xylenes	11.62	106	192838	40.229	ug/l	99
68) o-Xylene	11.95	106	94738	20.188	ug/l	99
69) Styrene	11.96	104	150809	19.780	ug/l	98
70) Isopropylbenzene	12.25	105	249308	20.333	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	76706	20.750	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	65768m	20.551	ug/l	
73) Bromobenzene	12.53	156	66535	20.444	ug/l	98
74) n-propylbenzene	12.59	91	257388	19.892	ug/l	99
75) 2-Chlorotoluene	12.67	91	164113	20.448	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	204459	20.272	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	15775	17.276	ug/l	96
78) 4-Chlorotoluene	12.77	91	146042	19.484	ug/l	100
79) tert-butylbenzene	12.99	119	183472	20.533	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	195101	19.886	ug/l	99
81) sec-Butylbenzene	13.17	105	231453	20.476	ug/l	100
82) p-Isopropyltoluene	13.29	119	202016	19.767	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	99375	19.593	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	88479	18.314	ug/l	99
85) n-Butylbenzene	13.61	91	129614	16.993	ug/l	99
86) Hexachloroethane	13.87	117	33538	21.050	ug/l	93
87) 1,2-Dichlorobenzene	13.65	146	101223	19.634	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	10901	18.786	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	36082	18.533	ug/l	98
90) Hexachlorobutadiene	15.01	225	42151	22.397	ug/l	98
91) Naphthalene	15.13	128	91241	13.326	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	42845	15.877	ug/l	99

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

