

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
 Data File : VN057027.D
 Acq On : 1 Aug 2019 10:59
 Operator : JC/SP
 Sample : VN0801WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0801WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 11:17:50 AM

Quant Time: Aug 02 10:24:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 04:19:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	77169	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	409268	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	347069	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	145435	28.80	ug/l	-0.01
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.00%
60) 4-Bromofluorobenzene	12.40	95	147987	28.45	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.83%
63) Toluene-d8	10.08	98	506457	30.89	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	88425	19.165	ug/l 96
3) Chloromethane	2.05	50	102021	18.121	ug/l 97
4) Vinyl Chloride	2.18	62	96909	17.853	ug/l 99
5) Bromomethane	2.55	94	61974	18.595	ug/l 98
6) Chloroethane	2.69	64	52296	17.369	ug/l 97
7) Trichlorofluoromethane	3.00	101	132931	20.109	ug/l 99
8) Diethyl Ether	3.40	74	48859	19.836	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	77086	18.569	ug/l 95
10) 1,1-Dichloroethene	3.73	96	76378	18.539	ug/l 98
11) Methyl Iodide	3.94	142	107109	17.573	ug/l 99
12) Methyl Acetate	4.31	43	75827	15.040	ug/l 97
13) Acrolein	3.60	56	74609	130.751	ug/l 100
14) Acrylonitrile	4.97	53	172880	88.909	ug/l 99
15) Acetone	3.81	58	51497	102.440	ug/l 93
16) Carbon Disulfide	4.04	76	202856	18.261	ug/l 99
17) Allyl chloride	4.31	41	117446	17.036	ug/l 98
18) Methylene Chloride	4.54	84	88547	18.466	ug/l 96
19) trans-1,2-Dichloroethene	5.02	96	82276	18.871	ug/l 97
20) Diisopropyl ether	5.94	45	250896	17.925	ug/l 96
21) 1,1-Dichloroethane	5.83	63	149384	18.364	ug/l 100
22) cis-1,2-Dichloroethene	6.82	96	93526	18.508	ug/l 99
23) tert-Butyl Alcohol	4.77	59	58069	89.489	ug/l # 100
24) Methyl tert-Butyl Ether	5.03	73	227189	18.240	ug/l 98
25) Chloroform	7.36	83	150087	18.913	ug/l 98
26) Cyclohexane	7.64	56	132717	17.761	ug/l # 97
29) 1,1-Dichloropropene	7.78	75	111165	19.140	ug/l 97
30) 2-Butanone	6.82	43	219908	94.244	ug/l 99
31) 2,2-Dichloropropane	6.81	77	110513	20.505	ug/l 98
32) 1,1,1-Trichloroethane	7.56	97	123932	19.421	ug/l 99
33) Carbon Tetrachloride	7.76	117	107195	19.246	ug/l 97
34) Benzene	8.03	78	343324	18.761	ug/l 99
35) Methacrylonitrile	7.18	41	52212m	22.406	ug/l
36) 1,2-Dichloroethane	8.11	62	108637	19.096	ug/l 99
37) Trichloroethene	8.82	130	92377	18.829	ug/l 98
38) Methylcyclohexane	9.07	83	133595	18.082	ug/l 99
39) 1,2-Dichloropropane	9.11	63	90902	18.609	ug/l 96
40) Dibromomethane	9.20	93	58861	19.643	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	109392	18.998	ug/l	100
42) Vinyl Acetate	5.88	43	932184	89.707	ug/l	99
43) Ethyl Acetate	6.92	43	89836	18.780	ug/l	95
44) Isopropyl Acetate	8.16	43	144543	18.128	ug/l	100
45) 1,4-Dioxane	9.19	88	28113	370.356	ug/l	93
46) Methyl methacrylate	9.19	41	69608	17.499	ug/l	97
47) n-amyl Acetate	12.07	43	103376	16.196	ug/l	99
48) t-1,3-Dichloropropene	10.37	75	109730	18.313	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	129775	18.586	ug/l	99
50) 1,1,2-Trichloroethane	10.55	97	83080	19.310	ug/l	98
51) Ethyl methacrylate	10.42	69	110694	17.788	ug/l	99
52) 1,3-Dichloropropane	10.70	76	136950	18.861	ug/l	99
53) Dibromochloromethane	10.90	129	84583	18.914	ug/l	100
54) 1,2-Dibromoethane	11.00	107	83916	19.119	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	212882	78.988	ug/l	97
56) Bromoform	12.12	173	57323	18.526	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	432823	92.930	ug/l	98
59) 2-Hexanone	10.75	43	295561	93.128	ug/l	98
61) Tetrachloroethene	10.63	164	99192	20.393	ug/l	99
62) Toluene	10.15	91	367197	19.453	ug/l	98
64) Chlorobenzene	11.43	112	218611	19.227	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.50	131	84239	19.560	ug/l	99
66) Ethyl Benzene	11.51	91	372575	18.731	ug/l	98
67) m/p-Xylenes	11.62	106	286954	38.687	ug/l	100
68) o-Xylene	11.94	106	138192	18.949	ug/l	99
69) Styrene	11.96	104	215941	18.273	ug/l	100
70) Isopropylbenzene	12.25	105	367946	19.162	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	105754	19.663	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	84607m	17.880	ug/l	
73) Bromobenzene	12.52	156	92513	18.671	ug/l	99
74) n-propylbenzene	12.59	91	379133	18.058	ug/l	99
75) 2-Chlorotoluene	12.67	91	241648	18.984	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	313129	19.371	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	25276	17.012	ug/l	93
78) 4-Chlorotoluene	12.77	91	216957	17.931	ug/l	99
79) tert-butylbenzene	12.99	119	271066	19.432	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	299089	18.979	ug/l	98
81) sec-Butylbenzene	13.17	105	341206	18.735	ug/l	99
82) p-Isopropyltoluene	13.29	119	299954	18.339	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	131977	16.917	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	121764	16.507	ug/l	99
85) n-Butylbenzene	13.61	91	208875	16.263	ug/l	99
86) Hexachloroethane	13.87	117	53342	19.487	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	140999	18.196	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	14573	17.515	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	43973	16.254	ug/l	99
90) Hexachlorobutadiene	15.00	225	58600	20.574	ug/l	96
91) Naphthalene	15.12	128	104714	15.325	ug/l	99
92) 1,2,3-Trichlorobenzene	15.29	180	54857	13.391	ug/l	99

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

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