

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056090.D
 Acq On : 7 Jun 2019 11:00
 Operator : JC/SP
 Sample : VN0608WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0608WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 3:31:26 PM

Quant Time: Jun 08 05:25:39 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	7.19	128	50931	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	270231	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	235137	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	95208	30.10	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.33%
60) 4-Bromofluorobenzene	12.40	95	100028	28.70	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.67%
63) Toluene-d8	10.09	98	323066	30.29	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	61851	21.592 ug/l	98
3) Chloromethane	2.06	50	69945	20.898 ug/l	99
4) Vinyl Chloride	2.18	62	68692	20.130 ug/l	98
5) Bromomethane	2.55	94	46245	21.564 ug/l	100
6) Chloroethane	2.69	64	39991	20.719 ug/l	94
7) Trichlorofluoromethane	3.01	101	84590	20.035 ug/l	97
8) Diethyl Ether	3.41	74	33782	18.866 ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	52808	20.262 ug/l	98
10) 1,1-Dichloroethene	3.72	96	52879	19.890 ug/l	100
11) Methyl Iodide	3.94	142	72528	17.291 ug/l	99
12) Methyl Acetate	4.33	43	62206	19.471 ug/l	99
13) Acrolein	3.60	56	17191	110.400 ug/l	98
14) Acrylonitrile	4.99	53	142745	100.193 ug/l	99
15) Acetone	3.82	58	43849	93.998 ug/l	97
16) Carbon Disulfide	4.04	76	110902	17.532 ug/l	100
17) Allyl chloride	4.31	41	79042	19.189 ug/l	99
18) Methylene Chloride	4.54	84	61934	20.123 ug/l	98
19) trans-1,2-Dichloroethene	5.03	96	55733	19.639 ug/l	95
20) Diisopropyl ether	5.95	45	170778	20.010 ug/l	98
21) 1,1-Dichloroethane	5.84	63	97617	19.682 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	66082	19.951 ug/l	99
23) tert-Butyl Alcohol	4.82	59	51684	93.200 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	164514	19.417 ug/l	99
25) Chloroform	7.37	83	99122	20.014 ug/l	100
26) Cyclohexane	7.65	56	90730	19.718 ug/l	# 100
29) 1,1-Dichloropropene	7.79	75	72484	19.830 ug/l	99
30) 2-Butanone	6.84	43	190862	99.183 ug/l	99
31) 2,2-Dichloropropane	6.82	77	66416	19.531 ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	80441	19.918 ug/l	99
33) Carbon Tetrachloride	7.77	117	64846	18.952 ug/l	96
34) Benzene	8.04	78	236777	20.330 ug/l	100
35) Methacrylonitrile	7.17	41	31418	19.334 ug/l	98
36) 1,2-Dichloroethane	8.12	62	75938	20.816 ug/l	98
37) Trichloroethene	8.83	130	65597	20.128 ug/l	98
38) Methylcyclohexane	9.08	83	92052	19.864 ug/l	97
39) 1,2-Dichloropropane	9.12	63	61432	20.595 ug/l	98
40) Dibromomethane	9.21	93	39376	19.909 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	67541	19.071	ug/l	99
42) Vinyl Acetate	5.90	43	684710	99.803	ug/l	99
43) Ethyl Acetate	6.93	43	72718	19.745	ug/l	94
44) Isopropyl Acetate	8.17	43	111083	19.426	ug/l	100
45) 1,4-Dioxane	9.20	88	26032	425.564	ug/l	97
46) Methyl methacrylate	9.20	41	54014	19.014	ug/l	98
47) n-amyl Acetate	12.07	43	86860	18.368	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	66191	17.760	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	81103	18.584	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	58182	19.806	ug/l	98
51) Ethyl methacrylate	10.43	69	84821	19.086	ug/l	99
52) 1,3-Dichloropropane	10.71	76	95507	20.054	ug/l	99
53) Dibromochloromethane	10.90	129	52532	18.268	ug/l	97
54) 1,2-Dibromoethane	11.00	107	59926	19.549	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	142624	91.621	ug/l	99
56) Bromoform	12.13	173	34591	16.628	ug/l #	97
58) 4-Methyl-2-Pentanone	9.99	43	361066	101.407	ug/l	99
59) 2-Hexanone	10.75	43	254046	99.826	ug/l	99
61) Tetrachloroethene	10.63	164	66365	20.251	ug/l	97
62) Toluene	10.16	91	254584	20.056	ug/l	99
64) Chlorobenzene	11.43	112	154666	20.088	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	52704	18.983	ug/l	99
66) Ethyl Benzene	11.51	91	269871	19.961	ug/l	100
67) m/p-Xylenes	11.62	106	204657	39.548	ug/l	98
68) o-Xylene	11.95	106	102129	20.159	ug/l	99
69) Styrene	11.96	104	157260	19.105	ug/l	98
70) Isopropylbenzene	12.25	105	265939	20.091	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	82019	20.552	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	69774m	20.196	ug/l	
73) Bromobenzene	12.53	156	68243	19.423	ug/l	99
74) n-propylbenzene	12.59	91	273925	19.610	ug/l	99
75) 2-Chlorotoluene	12.67	91	173695	20.047	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	218227	20.043	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	15194	15.413	ug/l	91
78) 4-Chlorotoluene	12.77	91	155658	19.237	ug/l	99
79) tert-butylbenzene	12.99	119	191863	19.890	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	207732	19.613	ug/l	100
81) sec-Butylbenzene	13.17	105	243986	19.994	ug/l	100
82) p-Isopropyltoluene	13.29	119	215279	19.512	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	103227	18.853	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	94810	18.178	ug/l	99
85) n-Butylbenzene	13.61	91	143269	17.399	ug/l	99
86) Hexachloroethane	13.87	117	29436	17.114	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	107404	19.298	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	10582	16.892	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	39203	18.597	ug/l	98
90) Hexachlorobutadiene	15.01	225	39744	19.561	ug/l	98
91) Naphthalene	15.13	128	104980	14.202	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	46332	15.903	ug/l	99

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

