

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030119\
 Data File : VN054025.D
 Acq On : 1 Mar 2019 13:17
 Operator : JC/SP
 Sample : K1560-08 LOO 10ppb
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2019

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 10:23:44 AM

Quant Time: Mar 02 00:40:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N030119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 01 11:11:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	114850	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	618380	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	525941	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	246053	30.51	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.70%
60) 4-Bromofluorobenzene	12.40	95	230372	28.62	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.40%
63) Toluene-d8	10.09	98	769417	30.41	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	66452	10.233 ug/l	96
3) Chloromethane	2.06	50	92022	10.653 ug/l	100
4) Vinyl Chloride	2.19	62	88084	10.183 ug/l	99
5) Bromomethane	2.57	94	57353	10.779 ug/l	96
6) Chloroethane	2.71	64	52731	10.354 ug/l	100
7) Trichlorofluoromethane	3.02	101	110103	10.477 ug/l	98
8) Diethyl Ether	3.41	74	39008	9.869 ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	68895	10.197 ug/l	99
10) 1,1-Dichloroethene	3.74	96	65729	10.383 ug/l	97
11) Methyl Iodide	3.95	142	84930	9.044 ug/l	97
12) Methyl Acetate	4.32	43	55207	10.343 ug/l	97
13) Acrolein	3.60	56	30733	70.705 ug/l	98
14) Acrylonitrile	4.99	53	131349	51.209 ug/l	99
15) Acetone	3.82	58	37402	50.599 ug/l	94
16) Carbon Disulfide	4.05	76	204864	9.974 ug/l	98
17) Allyl chloride	4.33	41	109663	9.795 ug/l	99
18) Methylene Chloride	4.55	84	76286	10.436 ug/l	97
19) trans-1,2-Dichloroethene	5.04	96	70490	10.264 ug/l	93
20) Diisopropyl ether	5.95	45	223744	9.990 ug/l	95
21) 1,1-Dichloroethane	5.85	63	137211	10.374 ug/l	98
22) cis-1,2-Dichloroethene	6.82	96	77830	10.180 ug/l	97
23) tert-Butyl Alcohol	4.78	59	24065	52.382 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	172518	10.066 ug/l	# 81
25) Chloroform	7.37	83	131588	10.311 ug/l	99
26) Cyclohexane	7.65	56	118517	9.846 ug/l	# 100
29) 1,1-Dichloropropene	7.79	75	98982	10.219 ug/l	98
30) 2-Butanone	6.84	43	148117	48.431 ug/l	99
31) 2,2-Dichloropropane	6.82	77	93108	9.748 ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	108219	10.387 ug/l	98
33) Carbon Tetrachloride	7.77	117	92359	10.012 ug/l	100
34) Benzene	8.04	78	294986	10.247 ug/l	# 87
35) Methacrylonitrile	7.17	41	26554	7.765 ug/l	99
36) 1,2-Dichloroethane	8.12	62	97998	10.601 ug/l	99
37) Trichloroethene	8.84	130	75510	10.049 ug/l	98
38) Methylcyclohexane	9.08	83	109365	9.566 ug/l	97
39) 1,2-Dichloropropane	9.12	63	80494	10.207 ug/l	98
40) Dibromomethane	9.21	93	47902	10.596 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	97345	10.148	ug/l #	99
42) Vinyl Acetate	5.90	43	770019	48.736	ug/l	100
43) Ethyl Acetate	6.93	43	60131	9.387	ug/l #	69
44) Isopropyl Acetate	8.16	43	109788	9.767	ug/l #	79
45) 1,4-Dioxane	9.20	88	14053	228.959	ug/l	97
46) Methyl methacrylate	9.20	41	50219	9.301	ug/l	99
47) n-amyl Acetate	12.07	43	75177	9.105	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	89710	9.327	ug/l	94
49) cis-1,3-Dichloropropene	9.84	75	108858	9.639	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	63796	10.060	ug/l	98
51) Ethyl methacrylate	10.43	69	67012	8.778	ug/l	97
52) 1,3-Dichloropropane	10.71	76	110485	10.151	ug/l	100
53) Dibromochloromethane	10.90	129	68295	9.801	ug/l	99
54) 1,2-Dibromoethane	11.00	107	59322	9.820	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	156624	44.210	ug/l	99
56) Bromoform	12.13	173	43413	9.383	ug/l	97
58) 4-Methyl-2-Pentanone	9.99	43	287583	48.526	ug/l	97
59) 2-Hexanone	10.75	43	182438	47.117	ug/l	97
61) Tetrachloroethene	10.63	164	76029	10.398	ug/l	98
62) Toluene	10.16	91	305800	10.404	ug/l	100
64) Chlorobenzene	11.43	112	181920	10.164	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	69103	10.515	ug/l	96
66) Ethyl Benzene	11.51	91	306278	9.969	ug/l	100
67) m/p-Xylenes	11.62	106	230309	19.910	ug/l	100
68) o-Xylene	11.95	106	114534	10.214	ug/l	100
69) Styrene	11.96	104	170113	9.581	ug/l	99
70) Isopropylbenzene	12.25	105	297828	10.120	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	74121	10.204	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	60745m	11.013	ug/l	
73) Bromobenzene	12.53	156	72900	9.825	ug/l	99
74) n-propylbenzene	12.59	91	339538	9.688	ug/l	99
75) 2-Chlorotoluene	12.67	91	210170	10.241	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	250675	10.055	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	16666	8.491	ug/l	98
78) 4-Chlorotoluene	12.77	91	197530	9.619	ug/l	98
79) tert-butylbenzene	12.99	119	219806	10.062	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	241402	9.729	ug/l	100
81) sec-Butylbenzene	13.17	105	298527	9.964	ug/l	99
82) p-Isopropyltoluene	13.29	119	247173	9.662	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	121399	9.276	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	112787	9.026	ug/l	99
85) n-Butylbenzene	13.61	91	195893	8.786	ug/l	98
86) Hexachloroethane	13.87	117	46409	9.703	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	121985	9.610	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	10479	9.971	ug/l	90
89) 1,2,4-Trichlorobenzene	14.91	180	46740	7.248	ug/l	96
90) Hexachlorobutadiene	15.01	225	45892	9.795	ug/l	100
91) Naphthalene	15.13	128	81386	11.620	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	47328	7.432	ug/l	99

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

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