

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041119\
 Data File : VN054984.D
 Acq On : 11 Apr 2019 18:30
 Operator : JC/SP
 Sample : K2241-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2019

Manual Integrations
 APPROVED

MMDadoda
 4/12/2019 1:41:45 PM

Quant Time: Apr 12 08:22:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N041119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 12 07:55:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	70720	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	390590	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	330613	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	165351	30.68	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.27%
60) 4-Bromofluorobenzene	12.40	95	146939	28.55	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.17%
63) Toluene-d8	10.09	98	486405	30.94	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.13%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	44281	10.646	ug/l 99
3) Chloromethane	2.06	50	61397	10.927	ug/l 95
4) Vinyl Chloride	2.19	62	53177	10.944	ug/l 98
5) Bromomethane	2.56	94	32988	11.738	ug/l 86
6) Chloroethane	2.71	64	30099	11.061	ug/l 98
7) Trichlorofluoromethane	3.02	101	65696	10.581	ug/l 98
8) Diethyl Ether	3.41	74	20654	10.361	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	36672	10.805	ug/l 96
10) 1,1-Dichloroethene	3.73	96	34478	10.988	ug/l 95
11) Methyl Iodide	3.94	142	47070	9.912	ug/l 99
12) Methyl Acetate	4.33	43	37592	9.740	ug/l 99
13) Acrolein	3.60	56	19977	59.057	ug/l 99
14) Acrylonitrile	5.00	53	80370	50.826	ug/l # 88
15) Acetone	3.82	58	17412	44.498	ug/l 92
16) Carbon Disulfide	4.04	76	105914	10.063	ug/l 97
17) Allyl chloride	4.32	41	78894	10.209	ug/l 99
18) Methylene Chloride	4.55	84	51453	11.093	ug/l 98
19) trans-1,2-Dichloroethene	5.04	96	43684	10.694	ug/l 90
20) Diisopropyl ether	5.96	45	156643	10.006	ug/l 99
21) 1,1-Dichloroethane	5.85	63	87807	10.501	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	52101	10.973	ug/l 98
23) tert-Butyl Alcohol	4.81	59	13404m	53.161	ug/l
24) Methyl tert-Butyl Ether	5.06	73	111534	10.585	ug/l # 62
25) Chloroform	7.37	83	83279	10.398	ug/l 96
26) Cyclohexane	7.65	56	81218	10.469	ug/l # 95
29) 1,1-Dichloropropene	7.79	75	61826	10.164	ug/l 98
30) 2-Butanone	6.85	43	96458	47.770	ug/l # 96
31) 2,2-Dichloropropane	6.82	77	57774	10.319	ug/l # 100
32) 1,1,1-Trichloroethane	7.57	97	67947	10.568	ug/l 97
33) Carbon Tetrachloride	7.77	117	55228	9.921	ug/l 97
34) Benzene	8.04	78	187774	10.417	ug/l # 86
35) Methacrylonitrile	7.17	41	19466	8.179	ug/l 91
36) 1,2-Dichloroethane	8.13	62	64448	10.461	ug/l # 89
37) Trichloroethene	8.83	130	48873	10.635	ug/l 95
38) Methylcyclohexane	9.08	83	71433	10.126	ug/l 99
39) 1,2-Dichloropropane	9.12	63	53315	10.711	ug/l 97
40) Dibromomethane	9.21	93	29965	10.651	ug/l 98

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41) Bromodichloromethane	9.40	83	58303	10.041	ug/l	98
42) Vinyl Acetate	5.90	43	519498	50.891	ug/l	100
43) Ethyl Acetate	6.94	43	40645	9.881	ug/l #	86
44) Isopropyl Acetate	8.17	43	69757	10.006	ug/l	100
45) 1,4-Dioxane	9.21	88	8014	207.503	ug/l	93
46) Methyl methacrylate	9.20	41	35167	9.752	ug/l	94
47) n-amyl Acetate	12.07	43	47241	9.201	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	48403	9.078	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	62185	9.447	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	39395	10.309	ug/l	99
51) Ethyl methacrylate	10.43	69	45763	10.046	ug/l	97
52) 1,3-Dichloropropane	10.71	76	69187	10.333	ug/l	99
53) Dibromochloromethane	10.90	129	37694	9.576	ug/l	96
54) 1,2-Dibromoethane	11.00	107	36234	10.100	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	80511	42.278	ug/l	99
56) Bromoform	12.13	173	21887	8.849	ug/l #	96
58) 4-Methyl-2-Pentanone	9.99	43	200988	52.716	ug/l	98
59) 2-Hexanone	10.75	43	123253	50.887	ug/l	100
61) Tetrachloroethene	10.63	164	47311	10.996	ug/l	98
62) Toluene	10.16	91	197521	10.843	ug/l	100
64) Chlorobenzene	11.43	112	110652	10.062	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	41306	10.561	ug/l	95
66) Ethyl Benzene	11.51	91	202526	10.371	ug/l	98
67) m/p-Xylenes	11.62	106	151954	20.935	ug/l	99
68) o-Xylene	11.95	106	75114	10.472	ug/l	99
69) Styrene	11.96	104	114532	10.283	ug/l	99
70) Isopropylbenzene	12.25	105	198404	10.345	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	47654	10.864	ug/l	95
72) 1,2,3-Trichloropropane	12.55	75	36265m	10.011	ug/l	
73) Bromobenzene	12.53	156	46388	10.233	ug/l	98
74) n-propylbenzene	12.59	91	213093	9.925	ug/l	99
75) 2-Chlorotoluene	12.67	91	134891	10.417	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	163588	10.551	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	7870	8.619	ug/l	92
78) 4-Chlorotoluene	12.77	91	116731	9.461	ug/l	99
79) tert-butylbenzene	12.99	119	140758	10.492	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	153395	10.071	ug/l	99
81) sec-Butylbenzene	13.17	105	178854	9.977	ug/l	99
82) p-Isopropyltoluene	13.29	119	151508	10.014	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	73026	9.629	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	66414	9.216	ug/l	99
85) n-Butylbenzene	13.61	91	105958	8.792	ug/l	99
86) Hexachloroethane	13.87	117	23403	9.663	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	74034	9.968	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	5771	9.899	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	25528	7.688	ug/l	93
90) Hexachlorobutadiene	15.01	225	25481	10.526	ug/l	98
91) Naphthalene	15.13	128	53254	7.660	ug/l	96
92) 1,2,3-Trichlorobenzene	15.31	180	27684	8.337	ug/l	96

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

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