

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090919\
 Data File : VN057791.D
 Acq On : 9 Sep 2019 10:40
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:04:50 AM

Quant Time: Sep 09 12:14:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 09 11:48:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.17	128	84374	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	484633	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	447112	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	214249	28.71	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.70%
60) 4-Bromofluorobenzene	12.40	95	235304	30.76	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.53%
63) Toluene-d8	10.09	98	634653	29.57	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.57%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	774637	151.956	ug/l 98
3) Chloromethane	2.04	50	869600	136.805	ug/l 98
4) Vinyl Chloride	2.16	62	916203	140.878	ug/l 99
5) Bromomethane	2.52	94	542179	132.965	ug/l 92
6) Chloroethane	2.67	64	546360	135.178	ug/l 98
7) Trichlorofluoromethane	2.99	101	1089974	145.066	ug/l 99
8) Diethyl Ether	3.39	74	448781	148.060	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	671342	143.091	ug/l 99
10) 1,1-Dichloroethene	3.71	96	642070	143.915	ug/l 94
11) Methyl Iodide	3.93	142	927265	155.346	ug/l 98
12) Methyl Acetate	4.30	43	873859	142.533	ug/l 95
13) Acrolein	3.58	56	220805	664.686	ug/l 98
14) Acrylonitrile	4.96	53	1826321	731.719	ug/l # 91
15) Acetone	3.80	58	471180	664.953	ug/l 100
16) Carbon Disulfide	4.03	76	1612677	155.230	ug/l 100
17) Allyl chloride	4.29	41	1256580	153.707	ug/l 96
18) Methylene Chloride	4.53	84	798538	142.036	ug/l 97
19) trans-1,2-Dichloroethene	5.01	96	716339	144.062	ug/l 99
20) Diisopropyl ether	5.93	45	2908548	152.183	ug/l 96
21) 1,1-Dichloroethane	5.82	63	1536931	145.842	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	896283	147.113	ug/l 100
23) tert-Butyl Alcohol	4.77	59	591008	725.326	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	2502962	146.389	ug/l # 100
25) Chloroform	7.36	83	1564017	145.776	ug/l 99
26) Cyclohexane	7.63	56	1302307	147.080	ug/l 99
29) 1,1-Dichloropropene	7.78	75	1166327	152.983	ug/l 99
30) 2-Butanone	6.81	43	2534086	737.169	ug/l 100
31) 2,2-Dichloropropane	6.80	77	1255367	155.961	ug/l 99
32) 1,1,1-Trichloroethane	7.55	97	1333981	155.623	ug/l 98
33) Carbon Tetrachloride	7.76	117	1132604	161.971	ug/l 98
34) Benzene	8.03	78	3319650	146.951	ug/l # 88
35) Methacrylonitrile	7.16	41	530050	169.241	ug/l 96
36) 1,2-Dichloroethane	8.11	62	1306117	148.994	ug/l 99
37) Trichloroethene	8.82	130	838798	152.879	ug/l 98
38) Methylcyclohexane	9.07	83	1332485	153.490	ug/l 98
39) 1,2-Dichloropropane	9.11	63	940866	148.306	ug/l 98
40) Dibromomethane	9.20	93	585455	151.729	ug/l 97

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

41) Bromodichloromethane	9.40	83	1249601	160.635	ug/l	98
42) Vinyl Acetate	5.87	43	9057820m	655.233	ug/l	
43) Ethyl Acetate	6.91	43	1092137m	154.019	ug/l	
44) Isopropyl Acetate	8.15	43	1921380	156.484	ug/l #	92
45) 1,4-Dioxane	9.19	88	272540	2836.288	ug/l	98
46) Methyl methacrylate	9.19	41	935342	156.584	ug/l	98
47) n-amyl Acetate	12.07	43	1832124	163.185	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	1413624	170.692	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	1511779	162.698	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	851835	152.198	ug/l	99
51) Ethyl methacrylate	10.43	69	1385481	159.649	ug/l	97
52) 1,3-Dichloropropane	10.71	76	1490196	152.248	ug/l	100
53) Dibromochloromethane	10.90	129	941428	170.319	ug/l	100
54) 1,2-Dibromoethane	11.00	107	860371	154.501	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	3037292	736.547	ug/l	94
56) Bromoform	12.13	173	624563	182.395	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	4317083	622.621	ug/l #	83
59) 2-Hexanone	10.75	43	3432463	659.679	ug/l	88
61) Tetrachloroethene	10.63	164	688063	151.358	ug/l	98
62) Toluene	10.15	91	3401231	137.384	ug/l	90
64) Chlorobenzene	11.43	112	2280406	148.486	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	862367	161.723	ug/l	99
66) Ethyl Benzene	11.51	91	3553497m	131.556	ug/l	
67) m/p-Xylenes	11.62	106	3042767m	326.145	ug/l	
68) o-Xylene	11.95	106	1567884	155.189	ug/l	83
69) Styrene	11.97	104	2640132	153.268	ug/l	97
70) Isopropylbenzene	12.25	105	3538975	132.497	ug/l	87
71) 1,1,2,2-Tetrachloroethane	12.51	83	1257563	150.650	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	1135110m	155.392	ug/l	
73) Bromobenzene	12.53	156	995442	155.670	ug/l	98
74) n-propylbenzene	12.59	91	3854616	126.314	ug/l	85
75) 2-Chlorotoluene	12.68	91	2790332	146.802	ug/l	96
76) 1,3,5-Trimethylbenzene	12.73	105	3172540	139.488	ug/l	89
77) t-1,4-Dichloro-2-butene	12.30	75	412570	187.699	ug/l	84
78) 4-Chlorotoluene	12.78	91	2898020	149.473	ug/l	97
79) tert-butylbenzene	13.00	119	2911358	146.726	ug/l	95
80) 1,2,4-Trimethylbenzene	13.04	105	3133959	138.291	ug/l	88
81) sec-Butylbenzene	13.17	105	3505444	133.153	ug/l	90
82) p-Isopropyltoluene	13.29	119	3214028	136.322	ug/l	89
83) 1,3-Dichlorobenzene	13.29	146	1857044	156.239	ug/l	97
84) 1,4-Dichlorobenzene	13.37	146	1844841	157.652	ug/l	98
85) n-Butylbenzene	13.62	91	3122852	142.124	ug/l	86
86) Hexachloroethane	13.88	117	647644	172.459	ug/l	99
87) 1,2-Dichlorobenzene	13.66	146	1789010	155.058	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	237270	161.434	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	1158840	164.423	ug/l	98
90) Hexachlorobutadiene	15.01	225	513828	158.745	ug/l	99
91) Naphthalene	15.13	128	3001016	154.752	ug/l	96
92) 1,2,3-Trichlorobenzene	15.30	180	1105618	164.488	ug/l	99

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

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