

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082719\
 Data File : VN057547.D
 Acq On : 27 Aug 2019 11:34
 Operator : JC/SP
 Sample : VN0827WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0827WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/28/2019 4:26:43 PM

Quant Time: Aug 27 12:33:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 23 23:15:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	67134	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	378302	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	333443	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	194004	29.98	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.93%
60) 4-Bromofluorobenzene	12.40	95	153382	27.89	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.97%
63) Toluene-d8	10.09	98	509851	30.28	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.93%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	66470	18.926	ug/l 98
3) Chloromethane	2.05	50	103760	19.674	ug/l 99
4) Vinyl Chloride	2.17	62	131417	19.614	ug/l 99
5) Bromomethane	2.55	94	83510	19.267	ug/l 98
6) Chloroethane	2.69	64	85307	19.008	ug/l 100
7) Trichlorofluoromethane	3.00	101	200132	18.780	ug/l 97
8) Diethyl Ether	3.39	74	74761	18.261	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	72482	12.076	ug/l 98
10) 1,1-Dichloroethene	3.70	96	84338	14.554	ug/l 96
11) Methyl Iodide	3.92	142	85276	16.372	ug/l 98
13) Acrolein	3.58	56	68023	91.628	ug/l 94
14) Acrylonitrile	4.97	53	193265	95.303	ug/l 98
15) Acetone	3.80	58	48165	50.772	ug/l 97
16) Carbon Disulfide	4.02	76	183029	17.733	ug/l 96
17) Allvl chloride	4.29	41	146649	18.551	ug/l 98
18) Methylene Chloride	4.52	84	84614m	19.911	ug/l
19) trans-1,2-Dichloroethene	5.01	96	79986	19.988	ug/l 95
20) Diisopropyl ether	5.93	45	322887	19.132	ug/l 99
21) 1,1-Dichloroethane	5.82	63	171226	19.524	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	94427	19.400	ug/l 97
23) tert-Butyl Alcohol	4.79	59	62361	84.656	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	267986	20.017	ug/l 98
25) Chloroform	7.36	83	172659	19.830	ug/l 97
26) Cyclohexane	7.64	56	147486	18.886	ug/l # 99
29) 1,1-Dichloropropene	7.78	75	123815	19.258	ug/l 99
30) 2-Butanone	6.82	43	270313	87.448	ug/l # 82
31) 2,2-Dichloropropane	6.81	77	134087m	18.254	ug/l
32) 1,1,1-Trichloroethane	7.55	97	140038	19.053	ug/l 97
33) Carbon Tetrachloride	7.76	117	112847	18.490	ug/l 97
34) Benzene	8.03	78	374837	19.826	ug/l 99
35) Methacrylonitrile	7.16	41	56620	18.099	ug/l 96
36) 1,2-Dichloroethane	8.11	62	145125	19.581	ug/l # 87
37) Trichloroethene	8.83	130	84952	19.694	ug/l 98
38) Methylcyclohexane	9.07	83	138583	19.204	ug/l 96
39) 1,2-Dichloropropane	9.11	63	101214	18.827	ug/l 92
40) Dibromomethane	9.20	93	63144	19.219	ug/l 96
41) Bromodichloromethane	9.39	83	130260	18.694	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Vinyl Acetate	5.88	43	1247639	90.192	ug/l	100
43) Ethyl Acetate	6.92	43	112960	18.774	ug/l #	81
44) Isopropyl Acetate	8.16	43	205714	17.910	ug/l #	93
45) 1,4-Dioxane	9.19	88	24478	354.553	ug/l	98
46) Methyl methacrylate	9.19	41	100042	18.341	ug/l	99
47) n-amyl Acetate	12.07	43	157660	17.055	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	128798	17.497	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	147611	18.244	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	86317	20.036	ug/l	95
51) Ethyl methacrylate	10.43	69	130389	18.207	ug/l	98
52) 1,3-Dichloropropane	10.70	76	151534	19.293	ug/l	98
53) Dibromochloromethane	10.90	129	81391	17.722	ug/l	98
54) 1,2-Dibromoethane	11.00	107	82603	18.739	ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	180754	102.390	ug/l	99
56) Bromoform	12.13	173	44632	16.283	ug/l #	96
58) 4-Methyl-2-Pentanone	9.98	43	591756	90.464	ug/l	99
59) 2-Hexanone	10.75	43	392430	86.552	ug/l	99
61) Tetrachloroethene	10.63	164	74550	19.495	ug/l	95
62) Toluene	10.15	91	385545	18.919	ug/l	99
64) Chlorobenzene	11.43	112	209655	18.923	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	76565	18.185	ug/l	97
66) Ethyl Benzene	11.51	91	410317	18.813	ug/l	99
67) m/p-Xylenes	11.62	106	283718	37.505	ug/l	97
68) o-Xylene	11.95	106	139838	18.705	ug/l	96
69) Styrene	11.96	104	219378	18.369	ug/l	97
70) Isopropylbenzene	12.25	105	377386	18.870	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	107022	18.505	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	96687m	18.416	ug/l	
73) Bromobenzene	12.53	156	74635	18.438	ug/l	96
74) n-propylbenzene	12.59	91	410098	17.983	ug/l	100
75) 2-Chlorotoluene	12.68	91	246677	18.367	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	299911	18.273	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	29463	15.649	ug/l	94
78) 4-Chlorotoluene	12.77	91	224002	17.652	ug/l	98
79) tert-butylbenzene	12.99	119	261090	18.695	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	285173	18.637	ug/l	99
81) sec-Butylbenzene	13.17	105	329607	17.910	ug/l	98
82) p-Isopropyltoluene	13.29	119	274117	17.717	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	107220	17.015	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	104806	17.096	ug/l	98
85) n-Butylbenzene	13.62	91	221229	16.401	ug/l	99
86) Hexachloroethane	13.88	117	49815	15.957	ug/l	100
87) 1,2-Dichlorobenzene	13.66	146	110239	17.813	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	14973	15.427	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	28830	12.433	ug/l	97
90) Hexachlorobutadiene	15.01	225	33495	18.787	ug/l	96
91) Naphthalene	15.13	128	92666	18.028	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	28920	12.471	ug/l	98

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

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