

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN083019\
 Data File : VN057578.D
 Acq On : 30 Aug 2019 9:59
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 8/31/2019 10:00:27 AM

Quant Time: Aug 30 23:48:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N083019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 30 23:13:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	92260	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	560263	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	554297	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	225032	26.22	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	87.40%
60) 4-Bromofluorobenzene	12.40	95	266833	29.59	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.63%
63) Toluene-d8	10.08	98	751974	27.39	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	91.30%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	250169	51.403 ug/l	98
3) Chloromethane	2.06	50	219785	32.951 ug/l	100
4) Vinyl Chloride	2.18	62	346629	39.900 ug/l	99
5) Bromomethane	2.55	94	316546	52.390 ug/l	100
6) Chloroethane	2.70	64	234135	39.565 ug/l	97
7) Trichlorofluoromethane	3.01	101	770222	51.702 ug/l	98
8) Diethyl Ether	3.40	74	242372	43.805 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	459992	53.777 ug/l	97
10) 1,1-Dichloroethene	3.72	96	420455	51.643 ug/l	98
11) Methyl Iodide	3.93	142	748592	83.446 ug/l	99
12) Methyl Acetate	4.31	43	201359	27.313 ug/l	98
13) Acrolein	3.59	56	140725	152.210 ug/l	100
14) Acrylonitrile	4.97	53	436498	168.091 ug/l #	89
15) Acetone	3.81	58	229843	187.417 ug/l	97
16) Carbon Disulfide	4.03	76	434546	33.082 ug/l	96
17) Allyl chloride	4.30	41	300723	30.291 ug/l	96
18) Methylene Chloride	4.53	84	239360	42.303 ug/l	98
19) trans-1,2-Dichloroethene	5.02	96	232844	43.225 ug/l	97
20) Diisopropyl ether	5.94	45	719731	33.557 ug/l	98
21) 1,1-Dichloroethane	5.83	63	453619	39.688 ug/l	98
22) cis-1,2-Dichloroethene	6.81	96	309988	47.044 ug/l	99
23) tert-Butyl Alcohol	4.80	59	156868m	165.296 ug/l	
24) Methyl tert-Butyl Ether	5.03	73	758832	42.597 ug/l	96
25) Chloroform	7.36	83	544975	46.453 ug/l	99
26) Cyclohexane	7.64	56	383215	37.834 ug/l #	99
29) 1,1-Dichloropropene	7.78	75	373996	40.541 ug/l	100
30) 2-Butanone	6.83	43	600766	143.494 ug/l #	98
31) 2,2-Dichloropropane	6.81	77	445415	42.165 ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	498604	46.129 ug/l	99
33) Carbon Tetrachloride	7.76	117	427730	47.549 ug/l	99
34) Benzene	8.03	78	1146591	42.225 ug/l #	93
35) Methacrylonitrile	7.16	41	132867	31.881 ug/l	95
36) 1,2-Dichloroethane	8.11	62	422652	39.784 ug/l	99
37) Trichloroethene	8.83	130	321234	49.807 ug/l	94
38) Methylcyclohexane	9.07	83	469857	44.579 ug/l	99
39) 1,2-Dichloropropane	9.11	63	279050	37.074 ug/l	97
40) Dibromomethane	9.20	93	212861	44.398 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	441273	43.574	ug/l	98
42) Vinyl Acetate	5.88	43	2904784	153.743	ug/l	100
43) Ethyl Acetate	6.92	43	236018	28.839	ug/l	96
44) Isopropyl Acetate	8.16	43	471662	30.051	ug/l	97
45) 1,4-Dioxane	9.20	88	78728	792.814	ug/l #	93
46) Methyl methacrylate	9.19	41	217213	29.052	ug/l	92
47) n-amyl Acetate	12.07	43	407846	31.885	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	460559	43.574	ug/l	96
49) cis-1,3-Dichloropropene	9.83	75	479895	41.485	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	317004	50.185	ug/l	98
51) Ethyl methacrylate	10.43	69	424963	41.918	ug/l	89
52) 1,3-Dichloropropane	10.70	76	495444	43.975	ug/l	98
53) Dibromochloromethane	10.90	129	365497	53.898	ug/l	100
54) 1,2-Dibromoethane	11.00	107	336270	51.645	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	471024	185.275	ug/l	99
56) Bromoform	12.13	173	239647	57.931	ug/l #	98
58) 4-Methyl-2-Pentanone	9.98	43	1368559	138.214	ug/l	97
59) 2-Hexanone	10.75	43	947123	138.067	ug/l	95
61) Tetrachloroethene	10.63	164	331266	50.995	ug/l	97
62) Toluene	10.15	91	1450131	43.897	ug/l	100
64) Chlorobenzene	11.43	112	909305	49.317	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	357206	50.990	ug/l	97
66) Ethyl Benzene	11.51	91	1657424	46.547	ug/l	98
67) m/p-Xylenes	11.62	106	1269906	101.128	ug/l	96
68) o-Xylene	11.95	106	614199	49.711	ug/l	99
69) Styrene	11.96	104	1027825	51.532	ug/l	97
70) Isopropylbenzene	12.25	105	1687558	50.519	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	406292	43.424	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	327543m	38.894	ug/l	
73) Bromobenzene	12.53	156	394327	56.892	ug/l	96
74) n-propylbenzene	12.59	91	1817636	48.369	ug/l	99
75) 2-Chlorotoluene	12.67	91	1092210	49.377	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	1435675	52.353	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	110755	38.239	ug/l	92
78) 4-Chlorotoluene	12.77	91	1061972	50.059	ug/l	100
79) tert-butylbenzene	12.99	119	1252368	53.136	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	1380692	53.561	ug/l	98
81) sec-Butylbenzene	13.17	105	1615783	52.280	ug/l	100
82) p-Isopropyltoluene	13.29	119	1444206	54.806	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	661602	60.899	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	632412	59.775	ug/l	98
85) n-Butylbenzene	13.62	91	1126862	50.166	ug/l	99
86) Hexachloroethane	13.88	117	250014	48.982	ug/l	97
87) 1,2-Dichlorobenzene	13.66	146	636886	59.705	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	62747	40.516	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	221363	55.536	ug/l	99
90) Hexachlorobutadiene	15.01	225	201411	65.212	ug/l	97
91) Naphthalene	15.13	128	636538	50.785	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	221003	56.159	ug/l	97

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

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