

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081719\
 Data File : VN057351.D
 Acq On : 16 Aug 2019 13:05
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Quant Time: Aug 16 13:35:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 16 13:07:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	139217	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	763133	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	702313	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	265444	29.57	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.57%
60) 4-Bromofluorobenzene	12.40	95	335108	33.07	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	110.23%
63) Toluene-d8	10.09	98	913193	28.55	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	1094874	152.825	ug/l 97
3) Chloromethane	2.05	50	1282844	155.906	ug/l 100
4) Vinyl Chloride	2.18	62	1215261	153.981	ug/l 98
5) Bromomethane	2.52	94	813851m	127.957	ug/l
6) Chloroethane	2.68	64	811870m	149.226	ug/l
7) Trichlorofluoromethane	3.01	101	1889186	148.216	ug/l 98
8) Diethyl Ether	3.40	74	719074	154.602	ug/l 90
9) 1,1,2-Trichlorotrifluoroet	3.75	101	1123509	147.979	ug/l 96
10) 1,1-Dichloroethene	3.73	96	1139950	152.260	ug/l 93
11) Methyl Iodide	3.94	142	1982295	158.266	ug/l 99
12) Methyl Acetate	4.31	43	1196555	139.800	ug/l 98
13) Acrolein	3.60	56	611195	769.548	ug/l 99
14) Acrylonitrile	4.97	53	2669563	788.600	ug/l 99
15) Acetone	3.80	58	720699	706.902	ug/l 99
16) Carbon Disulfide	4.05	76	3179852	156.189	ug/l 100
17) Allyl chloride	4.31	41	1769505	164.432	ug/l 95
18) Methylene Chloride	4.54	84	1284484	149.311	ug/l 95
19) trans-1,2-Dichloroethene	5.03	96	1205504	147.815	ug/l 97
20) Diisopropyl ether	5.94	45	3393101	148.207	ug/l 92
21) 1,1-Dichloroethane	5.83	63	2103079	148.782	ug/l 99
22) cis-1,2-Dichloroethene	6.82	96	1405764	148.979	ug/l 98
23) tert-Butyl Alcohol	4.77	59	960179	797.858	ug/l # 100
24) Methyl tert-Butyl Ether	5.03	73	3512051	153.013	ug/l 99
25) Chloroform	7.36	83	2182442	147.459	ug/l 100
26) Cyclohexane	7.64	56	1772592	151.385	ug/l # 94
29) 1,1-Dichloropropene	7.78	75	1670604	150.616	ug/l 98
30) 2-Butanone	6.82	43	3289742	751.406	ug/l 95
31) 2,2-Dichloropropane	6.81	77	1795019	147.023	ug/l 100
32) 1,1,1-Trichloroethane	7.56	97	1977824	150.890	ug/l 97
33) Carbon Tetrachloride	7.77	117	1785087	153.468	ug/l 98
34) Benzene	8.03	78	5031262	149.249	ug/l # 91
35) Methacrylonitrile	7.18	41	968114m	165.038	ug/l
36) 1,2-Dichloroethane	8.12	62	1621767	147.731	ug/l 99
37) Trichloroethene	8.83	130	1459143	148.564	ug/l 95
38) Methylcyclohexane	9.08	83	1986209	151.351	ug/l 95
39) 1,2-Dichloropropane	9.11	63	1289053	149.702	ug/l 99
40) Dibromomethane	9.20	93	860526	150.352	ug/l 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	1783233	154.644	ug/l	98
42) Vinyl Acetate	5.88	43	14155856	772.810	ug/l	97
43) Ethyl Acetate	6.91	43	1358092	151.420	ug/l	98
44) Isopropyl Acetate	8.15	43	2382643m	150.551	ug/l	
45) 1,4-Dioxane	9.19	88	458634	3096.684	ug/l	96
46) Methyl methacrylate	9.19	41	1112970	158.805	ug/l	92
47) n-amyl Acetate	12.07	43	1985962	175.827	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	1991854	161.011	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	2167833	156.449	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	1251521	149.702	ug/l	97
51) Ethyl methacrylate	10.43	69	1958744	164.903	ug/l	93
52) 1,3-Dichloropropane	10.70	76	2065760	151.705	ug/l	99
53) Dibromochloromethane	10.90	129	1514715	159.554	ug/l	99
54) 1,2-Dibromoethane	11.00	107	1361709	155.945	ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	2645885	1001.095	ug/l	96
56) Bromoform	12.13	173	1209648	171.367	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	6896886	754.816	ug/l	95
59) 2-Hexanone	10.75	43	4965271	758.359	ug/l	95
61) Tetrachloroethene	10.63	164	1395229	132.352	ug/l	99
62) Toluene	10.15	91	5589626	142.937	ug/l	99
64) Chlorobenzene	11.43	112	3634774	149.209	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	1380119	144.918	ug/l	99
66) Ethyl Benzene	11.51	91	6362315	150.416	ug/l	100
67) m/p-Xylenes	11.62	106	4863415	308.850	ug/l	99
68) o-Xylene	11.95	106	2364844	153.413	ug/l	97
69) Styrene	11.96	104	4102866	169.130	ug/l	99
70) Isopropylbenzene	12.25	105	6349629	153.706	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	1691984	148.481	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	1467583m	153.672	ug/l	
73) Bromobenzene	12.53	156	1763798	163.139	ug/l	92
74) n-propylbenzene	12.59	91	7139236	169.967	ug/l	98
75) 2-Chlorotoluene	12.67	91	4277551	162.520	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	5466799	160.558	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	624385	175.264	ug/l	86
78) 4-Chlorotoluene	12.77	91	4299478	178.173	ug/l	99
79) tert-butylbenzene	12.99	119	4776211	156.598	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	5320983	167.106	ug/l	100
81) sec-Butylbenzene	13.17	105	6165379	166.034	ug/l	99
82) p-Isopropyltoluene	13.29	119	5700579	172.895	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	2797526	180.709	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	2706707	189.395	ug/l	100
85) n-Butylbenzene	13.62	91	4410964	182.045	ug/l	98
86) Hexachloroethane	13.88	117	1033897	160.255	ug/l	91
87) 1,2-Dichlorobenzene	13.65	146	2568586	174.156	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	286364	200.530	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	1236819	264.744	ug/l	98
90) Hexachlorobutadiene	15.01	225	1003307	144.981	ug/l	99
91) Naphthalene	15.13	128	2995480	313.331	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	1238122	286.577	ug/l	99

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

