

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081719\
 Data File : VN057347.D
 Acq On : 16 Aug 2019 11:29
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Aug 16 15:33:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 16 13:33:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	141111	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	771347	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	640403	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	270622	29.83	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.43%
60) 4-Bromofluorobenzene	12.40	95	244170	25.89	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	86.30%
63) Toluene-d8	10.09	98	906210	31.37	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	104.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	30575	4.195 ug/l	97
3) Chloromethane	2.06	50	39854	4.741 ug/l	99
4) Vinyl Chloride	2.18	62	37899	4.713 ug/l	97
5) Bromomethane	2.54	94	35242m	5.632 ug/l	
6) Chloroethane	2.70	64	27534m	4.998 ug/l	
7) Trichlorofluoromethane	3.02	101	64270	4.986 ug/l	97
8) Diethyl Ether	3.41	74	23124	4.875 ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	39718	5.175 ug/l	97
10) 1,1-Dichloroethene	3.74	96	37990	4.991 ug/l	97
11) Methyl Iodide	3.95	142	59772	4.657 ug/l	100
12) Methyl Acetate	4.31	43	52494	6.134 ug/l	96
13) Acrolein	3.60	56	23083	28.525 ug/l	94
14) Acrylonitrile	4.97	53	84720	24.439 ug/l	98
15) Acetone	3.81	58	27650	27.068 ug/l	93
16) Carbon Disulfide	4.05	76	102218	4.913 ug/l	99
17) Allyl chloride	4.32	41	58585	5.270 ug/l	93
18) Methylene Chloride	4.54	84	44751	5.137 ug/l	93
19) trans-1,2-Dichloroethene	5.03	96	44009	5.339 ug/l	96
20) Diisopropyl ether	5.93	45	120920	5.223 ug/l	94
21) 1,1-Dichloroethane	5.84	63	73035	5.106 ug/l	98
22) cis-1,2-Dichloroethene	6.82	96	49836	5.218 ug/l	96
23) tert-Butyl Alcohol	4.76	59	30245	24.482 ug/l #	100
24) Methyl tert-Butyl Ether	5.03	73	117615	5.035 ug/l	97
25) Chloroform	7.36	83	78820	5.272 ug/l	94
26) Cyclohexane	7.65	56	59711	5.022 ug/l #	95
29) 1,1-Dichloropropene	7.78	75	57383	5.114 ug/l	97
30) 2-Butanone	6.82	43	113058	25.539 ug/l #	97
31) 2,2-Dichloropropane	6.82	77	62951m	5.121 ug/l	
32) 1,1,1-Trichloroethane	7.57	97	65823	4.962 ug/l	97
33) Carbon Tetrachloride	7.76	117	58188	4.926 ug/l	98
34) Benzene	8.03	78	176977	5.199 ug/l #	73
35) Methacrylonitrile	7.18	41	28146m	4.654 ug/l	
36) 1,2-Dichloroethane	8.12	62	58785	5.314 ug/l	99
37) Trichloroethene	8.83	130	52241	5.272 ug/l	96
38) Methylcyclohexane	9.07	83	66856	5.031 ug/l	97
39) 1,2-Dichloropropane	9.11	63	44011	5.059 ug/l	95
40) Dibromomethane	9.20	93	29884	5.163 ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	58767	5.011	ug/l	98
42) Vinyl Acetate	5.88	43	453464	24.344	ug/l	98
43) Ethyl Acetate	6.91	43	46982	5.173	ug/l	97
44) Isopropyl Acetate	8.16	43	81490m	5.091	ug/l	
45) 1,4-Dioxane	9.19	88	14532	96.453	ug/l #	89
46) Methyl methacrylate	9.19	41	33367	4.656	ug/l	92
47) n-amyl Acetate	12.07	43	50501	4.276	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	60190	4.744	ug/l	96
49) cis-1,3-Dichloropropene	9.83	75	68035	4.816	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	43817	5.187	ug/l	97
51) Ethyl methacrylate	10.43	69	55585	4.540	ug/l	94
52) 1,3-Dichloropropane	10.70	76	69580	5.044	ug/l	99
53) Dibromochloromethane	10.90	129	45893	4.723	ug/l	100
54) 1,2-Dibromoethane	11.00	107	43214	4.858	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	54622	19.164	ug/l	96
56) Bromoform	12.13	173	32311	4.403	ug/l #	94
58) 4-Methyl-2-Pentanone	9.98	43	215556	25.839	ug/l	97
59) 2-Hexanone	10.75	43	151412	25.305	ug/l	97
61) Tetrachloroethene	10.63	164	53941	5.747	ug/l	92
62) Toluene	10.15	91	190399	5.390	ug/l	98
64) Chlorobenzene	11.43	112	115427	5.202	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	45846	5.315	ug/l	97
66) Ethyl Benzene	11.51	91	196533	5.093	ug/l	99
67) m/p-Xylenes	11.62	106	140526	9.729	ug/l	98
68) o-Xylene	11.95	106	70122	4.966	ug/l	94
69) Styrene	11.96	104	98310	4.334	ug/l	98
70) Isopropylbenzene	12.25	105	184994	4.887	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	53373	5.147	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	44356m	5.069	ug/l	
73) Bromobenzene	12.53	156	47426	4.728	ug/l	90
74) n-propylbenzene	12.59	91	173094	4.402	ug/l	95
75) 2-Chlorotoluene	12.67	91	111823	4.583	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	145520	4.622	ug/l	97
77) t-1,4-Dichloro-2-butene	12.30	75	14319	4.264	ug/l	91
78) 4-Chlorotoluene	12.77	91	98621	4.320	ug/l	99
79) tert-butylbenzene	12.99	119	137396	4.897	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	131602	4.431	ug/l	98
81) sec-Butylbenzene	13.17	105	159736	4.619	ug/l	97
82) p-Isopropyltoluene	13.29	119	141956	4.582	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	59032	4.017	ug/l	95
84) 1,4-Dichlorobenzene	13.36	146	54557	3.978	ug/l	99
85) n-Butylbenzene	13.62	91	90044	3.908	ug/l	99
86) Hexachloroethane	13.88	117	29187	4.894	ug/l	96
87) 1,2-Dichlorobenzene	13.66	146	56971	4.104	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	5449	3.920	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	13261	2.700	ug/l	100
90) Hexachlorobutadiene	15.01	225	32662	5.211	ug/l	99
91) Naphthalene	15.13	128	28022	2.640	ug/l	99
92) 1,2,3-Trichlorobenzene	15.29	180	13401	2.878	ug/l	98

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

