

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100518\
 Data File : VN051678.D
 Acq On : 5 Oct 2018 11:25
 Operator : MD\SY
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN100518

Quant Time: Oct 05 14:53:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 05 11:11:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	116349	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	669584	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	575179	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	243354	30.14	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.47%
60) 4-Bromofluorobenzene	12.40	95	241356	27.50	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.67%
63) Toluene-d8	10.09	98	793335	31.07	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	192874	28.419	ug/l 98
3) Chloromethane	2.06	50	151779	22.781	ug/l 98
4) Vinyl Chloride	2.18	62	230029	22.700	ug/l 97
5) Bromomethane	2.57	94	201513	25.581	ug/l 88
6) Chloroethane	2.70	64	149034	21.941	ug/l 99
7) Trichlorofluoromethane	3.01	101	256476	22.099	ug/l 95
8) Diethyl Ether	3.41	74	71673	23.121	ug/l 82
9) 1,1,2-Trichlorotrifluoroet	3.76	101	136435	22.924	ug/l 42
10) 1,1-Dichloroethene	3.73	96	123231	22.690	ug/l 91
11) Methyl Iodide	3.95	142	131360	18.839	ug/l 96
12) Methyl Acetate	4.33	43	94377	22.020	ug/l 100
13) Acrolein	3.61	56	30554	96.972	ug/l 89
14) Acrylonitrile	4.99	53	194006	110.866	ug/l # 62
15) Acetone	3.82	58	50262	120.187	ug/l 83
16) Carbon Disulfide	4.05	76	362275	23.320	ug/l 99
17) Allyl chloride	4.32	41	172531	21.780	ug/l 80
18) Methylene Chloride	4.55	84	134663	21.977	ug/l 97
19) trans-1,2-Dichloroethene	5.04	96	129903	21.158	ug/l 92
20) Diisopropyl ether	5.95	45	360865	20.283	ug/l # 90
21) 1,1-Dichloroethane	5.85	63	234551	21.124	ug/l 97
22) cis-1,2-Dichloroethene	6.83	96	151697	21.001	ug/l 89
23) tert-Butyl Alcohol	4.79	59	54003	119.473	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	369879	21.210	ug/l # 56
25) Chloroform	7.37	83	256971	20.467	ug/l 96
26) Cyclohexane	7.65	56	200463	21.246	ug/l # 83
29) 1,1-Dichloropropene	7.80	75	186557	20.963	ug/l 97
30) 2-Butanone	6.84	43	233005	107.506	ug/l # 92
31) 2,2-Dichloropropane	6.82	77	238779	21.537	ug/l # 81
32) 1,1,1-Trichloroethane	7.57	97	248786	20.788	ug/l 96
33) Carbon Tetrachloride	7.77	117	219825	20.261	ug/l 93
34) Benzene	8.04	78	547830	20.350	ug/l # 69
35) Methacrylonitrile	7.18	41	50981	21.314	ug/l 86
36) 1,2-Dichloroethane	8.12	62	188196	20.887	ug/l 98
37) Trichloroethene	8.84	130	156106	20.854	ug/l 100
38) Methylcyclohexane	9.08	83	235372	20.886	ug/l 84
39) 1,2-Dichloropropane	9.12	63	136387	20.684	ug/l 99
40) Dibromomethane	9.21	93	92953	20.377	ug/l 98

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

41) Bromodichloromethane	9.40	83	209288	20.559	ug/l	92
42) Vinyl Acetate	5.90	43	1322260	103.539	ug/l #	94
43) Ethyl Acetate	6.93	43	94154	20.646	ug/l #	81
44) Isopropyl Acetate	8.17	43	210771	20.897	ug/l	99
45) 1,4-Dioxane	9.20	88	27658	433.998	ug/l #	82
46) Methyl methacrylate	9.20	41	97058	21.585	ug/l	88
48) t-1,3-Dichloropropene	10.38	75	201325	19.548	ug/l	95
49) cis-1,3-Dichloropropene	9.84	75	228391	20.576	ug/l	93
50) 1,1,2-Trichloroethane	10.56	97	129026	20.056	ug/l	96
51) Ethyl methacrylate	10.43	69	161801	19.776	ug/l	89
52) 1,3-Dichloropropane	10.71	76	205729	20.080	ug/l	96
53) Dibromochloromethane	10.90	129	159678	18.897	ug/l	96
54) 1,2-Dibromoethane	11.01	107	130478	19.333	ug/l	95
55) 2-Chloroethyl vinyl ether	9.70	63	343616	101.376	ug/l	97
56) Bromoform	12.13	173	104378	17.230	ug/l	96
58) 4-Methyl-2-Pentanone	9.98	43	526045	111.391	ug/l #	93
59) 2-Hexanone	10.75	43	358136	112.040	ug/l	95
61) Tetrachloroethene	10.63	164	140162	20.685	ug/l	95
62) Toluene	10.16	91	621719	21.339	ug/l	99
64) Chlorobenzene	11.43	112	385929	20.637	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.51	131	152181	19.994	ug/l	97
66) Ethyl Benzene	11.51	91	670565	20.459	ug/l	100
67) m/p-Xylenes	11.62	106	533435	40.692	ug/l	99
68) o-Xylene	11.95	106	259744	20.089	ug/l	92
69) Styrene	11.96	104	402544	19.513	ug/l	99
70) Isopropylbenzene	12.25	105	697069	20.064	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	149638	20.624	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	184437	31.866	ug/l	64
73) Bromobenzene	12.53	156	164292	19.661	ug/l	87
74) n-propylbenzene	12.59	91	769294	20.114	ug/l	97
75) 2-Chlorotoluene	12.67	91	441743	19.767	ug/l	95
76) 1,3,5-Trimethylbenzene	12.73	105	577950	19.604	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	43811	20.302	ug/l	98
78) 4-Chlorotoluene	12.77	91	441256	19.702	ug/l	93
79) tert-butylbenzene	12.99	119	520397	19.626	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	580738	19.804	ug/l	98
81) sec-Butylbenzene	13.17	105	705130	19.879	ug/l	98
82) p-Isopropyltoluene	13.29	119	618331	19.788	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	294258	19.692	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	269772	18.892	ug/l	98
85) n-Butylbenzene	13.62	91	491516	19.900	ug/l	97
86) Hexachloroethane	13.88	117	121821	19.704	ug/l	86
87) 1,2-Dichlorobenzene	13.65	146	279847	19.111	ug/l	95
88) 1,2-Dibromo-3-Chloropropan	14.27	75	25287	21.166	ug/l #	90
89) 1,2,4-Trichlorobenzene	14.91	180	137189	22.227	ug/l	98
90) Hexachlorobutadiene	15.01	225	102458	22.994	ug/l	98
91) Naphthalene	15.13	128	301192	21.783	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	145729	23.070	ug/l	92

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

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