

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
 Data File : VN064286.D
 Acq On : 23 Oct 2020 14:58
 Operator : JC/MD
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN102320

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 1:38:53 PM

Quant Time: Oct 23 16:44:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 23 15:14:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	47609	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	278070	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	248658	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	129749	31.22	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.07%
60) 4-Bromofluorobenzene	12.38	95	135788	30.68	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	102.27%
63) Toluene-d8	10.06	98	334718	30.12	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	62414	20.152	ug/l 98
3) Chloromethane	2.04	50	64089	19.593	ug/l 95
4) Vinyl Chloride	2.16	62	64559	19.647	ug/l 95
5) Bromomethane	2.53	94	41281	19.137	ug/l 87
6) Chloroethane	2.67	64	36733	19.062	ug/l 97
7) Trichlorofluoromethane	2.98	101	102834	18.501	ug/l 98
8) Diethyl Ether	3.37	74	32940	17.984	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	54883	19.809	ug/l # 55
10) 1,1-Dichloroethene	3.69	96	50104	18.860	ug/l # 90
11) Methyl Iodide	3.91	142	69547	18.270	ug/l 98
12) Methyl Acetate	4.27	43	55634	17.908	ug/l 92
13) Acrolein	3.56	56	20727	81.307	ug/l 94
14) Acrylonitrile	4.92	53	103947	86.456	ug/l 99
15) Acetone	3.77	58	36964	96.045	ug/l 97
16) Carbon Disulfide	4.01	76	145214	18.866	ug/l 96
17) Allyl chloride	4.27	41	99280	19.494	ug/l 93
18) Methylene Chloride	4.50	84	56940	18.332	ug/l 95
19) trans-1,2-Dichloroethene	4.98	96	54763	18.134	ug/l 91
20) Diisopropyl ether	5.89	45	179141	18.459	ug/l 97
21) 1,1-Dichloroethane	5.80	63	109127	18.854	ug/l 99
22) cis-1,2-Dichloroethene	6.77	96	64410	18.592	ug/l # 90
23) tert-Butyl Alcohol	4.72	59	51168m	91.783	ug/l
24) Methyl tert-Butyl Ether	4.99	73	172169m	18.659	ug/l
25) Chloroform	7.32	83	113522	18.122	ug/l 97
26) Cyclohexane	7.61	56	81535	18.165	ug/l # 100
29) 1,1-Dichloropropene	7.75	75	88513	18.413	ug/l 96
30) 2-Butanone	6.78	43	180951	85.711	ug/l 100
31) 2,2-Dichloropropane	6.77	77	110931	18.438	ug/l # 83
32) 1,1,1-Trichloroethane	7.52	97	110780	18.036	ug/l 96
33) Carbon Tetrachloride	7.73	117	99758	18.130	ug/l 95
34) Benzene	8.00	78	232885	17.728	ug/l 95
35) Methacrylonitrile	7.12	41	32683	15.355	ug/l 97
36) 1,2-Dichloroethane	8.08	62	102162	18.240	ug/l 100
37) Trichloroethene	8.80	130	64659	17.885	ug/l 90
38) Methylcyclohexane	9.04	83	79898	18.206	ug/l 95
39) 1,2-Dichloropropane	9.08	63	63454	18.068	ug/l 95
40) Dibromomethane	9.17	93	43318	17.630	ug/l 91

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

41) Bromodichloromethane	9.37	83	94387	17.714	ug/l	94
42) Vinyl Acetate	5.84	43	824522	88.548	ug/l	100
43) Ethyl Acetate	6.87	43	78759	17.622	ug/l #	92
44) Isopropyl Acetate	8.12	43	144144m	17.982	ug/l	
45) 1,4-Dioxane	9.16	88	18309	373.988	ug/l	87
46) Methyl methacrylate	9.16	41	72469	18.697	ug/l	95
47) n-amyl Acetate	12.04	43	118449	17.126	ug/l	96
48) t-1,3-Dichloropropene	10.35	75	105404	17.719	ug/l	98
49) cis-1,3-Dichloropropene	9.81	75	108993	17.642	ug/l	100
50) 1,1,2-Trichloroethane	10.53	97	56622	17.494	ug/l #	93
51) Ethyl methacrylate	10.40	69	86620	17.400	ug/l	88
52) 1,3-Dichloropropane	10.68	76	97374	17.015	ug/l	96
53) Dibromochloromethane	10.87	129	69473	17.180	ug/l	91
54) 1,2-Dibromoethane	10.97	107	60276	17.428	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	226324	93.569	ug/l	97
56) Bromoform	12.10	173	46041	16.104	ug/l #	98
58) 4-Methyl-2-Pentanone	9.95	43	377613	88.113	ug/l	100
59) 2-Hexanone	10.72	43	284674	87.610	ug/l	99
61) Tetrachloroethene	10.60	164	65040	18.720	ug/l	92
62) Toluene	10.12	91	255498	17.849	ug/l	98
64) Chlorobenzene	11.40	112	163099	18.368	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.48	131	61898	17.451	ug/l	99
66) Ethyl Benzene	11.48	91	295043	17.978	ug/l	98
67) m/p-Xylenes	11.59	106	216882	35.637	ug/l	100
68) o-Xylene	11.92	106	109397	18.512	ug/l	91
69) Styrene	11.94	104	173793	17.663	ug/l	99
70) Isopropylbenzene	12.22	105	279251	17.874	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	74623	17.806	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	82350m	18.924	ug/l	
73) Bromobenzene	12.50	156	66960	17.619	ug/l	99
74) n-propylbenzene	12.56	91	320510	17.879	ug/l	98
75) 2-Chlorotoluene	12.65	91	198460	17.929	ug/l	95
76) 1,3,5-Trimethylbenzene	12.71	105	240059	18.128	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	28960	17.209	ug/l	84
78) 4-Chlorotoluene	12.75	91	205775	17.830	ug/l	100
79) tert-butylbenzene	12.97	119	195161	18.034	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	235913	17.554	ug/l	100
81) sec-Butylbenzene	13.14	105	252970	18.007	ug/l	99
82) p-Isopropyltoluene	13.26	119	234153	18.163	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	118855	17.730	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	115933	16.984	ug/l	99
85) n-Butylbenzene	13.59	91	205401	18.106	ug/l	95
86) Hexachloroethane	13.85	117	38929	17.883	ug/l	100
87) 1,2-Dichlorobenzene	13.63	146	116102	17.751	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	17762	17.393	ug/l	94
89) 1,2,4-Trichlorobenzene	14.88	180	61939	16.601	ug/l	91
90) Hexachlorobutadiene	14.98	225	37579	18.394	ug/l	98
91) Naphthalene	15.10	128	184908	16.947	ug/l	97
92) 1,2,3-Trichlorobenzene	15.28	180	59685	16.681	ug/l	96

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

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