

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
 Data File : VN064285.D
 Acq On : 23 Oct 2020 13:01
 Operator : JC/MD
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 1:39:36 PM

Quant Time: Oct 23 15:14:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 23 15:10:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	54744	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	317455	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	285877	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	148888	31.03	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.43%
60) 4-Bromofluorobenzene	12.38	95	155615	30.80	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	102.67%
63) Toluene-d8	10.06	98	387967	30.38	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	82081	24.916	ug/l 97
3) Chloromethane	2.04	50	82523	23.613	ug/l 92
4) Vinyl Chloride	2.16	62	80153	22.735	ug/l 96
5) Bromomethane	2.54	94	53534	23.065	ug/l 93
6) Chloroethane	2.67	64	47220	22.967	ug/l 100
7) Trichlorofluoromethane	2.99	101	136124	22.822	ug/l 99
8) Diethyl Ether	3.38	74	44210	22.741	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	69180	23.359	ug/l 89
10) 1,1-Dichloroethene	3.70	96	65895	23.050	ug/l 98
11) Methyl Iodide	3.91	142	87778	21.427	ug/l 97
12) Methyl Acetate	4.28	43	74902	22.590	ug/l 97
13) Acrolein	3.57	56	26268	92.614	ug/l 97
14) Acrylonitrile	4.93	53	141630	109.403	ug/l 98
15) Acetone	3.77	58	47443	114.233	ug/l 89
16) Carbon Disulfide	4.01	76	184749	22.348	ug/l 95
17) Allyl chloride	4.28	41	117895	21.515	ug/l 92
18) Methylene Chloride	4.50	84	72631	21.604	ug/l 91
19) trans-1,2-Dichloroethene	4.99	96	73105	22.570	ug/l 96
20) Diisopropyl ether	5.90	45	236458	22.748	ug/l 92
21) 1,1-Dichloroethane	5.80	63	140919	22.700	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	83122	22.287	ug/l # 90
23) tert-Butyl Alcohol	4.73	59	66446	110.993	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	220206	22.131	ug/l 96
25) Chloroform	7.33	83	149634	22.208	ug/l 94
26) Cyclohexane	7.61	56	109444	22.806	ug/l 96
29) 1,1-Dichloropropene	7.75	75	113209	22.096	ug/l 97
30) 2-Butanone	6.78	43	249175	110.352	ug/l # 96
31) 2,2-Dichloropropane	6.77	77	143668	22.314	ug/l # 88
32) 1,1,1-Trichloroethane	7.53	97	143741	21.903	ug/l 96
33) Carbon Tetrachloride	7.73	117	129318	22.093	ug/l 93
34) Benzene	8.00	78	305303	21.781	ug/l 97
35) Methacrylonitrile	7.12	41	50535	22.688	ug/l 95
36) 1,2-Dichloroethane	8.09	62	130150	21.495	ug/l 100
37) Trichloroethene	8.80	130	85420	22.255	ug/l 95
38) Methylcyclohexane	9.05	83	102252	21.904	ug/l 96
39) 1,2-Dichloropropane	9.08	63	81716	21.649	ug/l 100
40) Dibromomethane	9.17	93	58879	22.389	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	127418	22.555	ug/l	93
42) Vinyl Acetate	5.84	43	1083393	108.780	ug/l	100
43) Ethyl Acetate	6.88	43	101795	21.534	ug/l	96
44) Isopropyl Acetate	8.13	43	190466m	22.416	ug/l	
45) 1,4-Dioxane	9.16	88	22753	441.514	ug/l	93
46) Methyl methacrylate	9.16	41	91414	21.989	ug/l	93
47) n-amyl Acetate	12.04	43	154680	20.958	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	140504	22.155	ug/l	97
49) cis-1,3-Dichloropropene	9.81	75	142655	21.676	ug/l	95
50) 1,1,2-Trichloroethane	10.53	97	74953	21.596	ug/l	95
51) Ethyl methacrylate	10.40	69	112472	21.247	ug/l	87
52) 1,3-Dichloropropane	10.68	76	134624	22.103	ug/l	98
53) Dibromochloromethane	10.87	129	93047	21.786	ug/l	92
54) 1,2-Dibromoethane	10.97	107	79254	21.469	ug/l	97
55) 2-Chloroethyl vinyl ether	9.66	63	185796	71.955	ug/l	99
56) Bromoform	12.10	173	63788	20.951	ug/l	99
58) 4-Methyl-2-Pentanone	9.95	43	508484	110.131	ug/l	100
59) 2-Hexanone	10.72	43	388802	111.712	ug/l	98
61) Tetrachloroethene	10.60	164	83210	22.310	ug/l	99
62) Toluene	10.12	91	337768	21.947	ug/l	99
64) Chlorobenzene	11.41	112	213680	22.506	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.48	131	83919	22.024	ug/l	98
66) Ethyl Benzene	11.48	91	383761	21.725	ug/l	97
67) m/p-Xylenes	11.59	106	286547	43.867	ug/l	99
68) o-Xylene	11.92	106	138939	21.997	ug/l	95
69) Styrene	11.94	104	229851	21.813	ug/l	98
70) Isopropylbenzene	12.22	105	367609	21.953	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	97583	21.624	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	99482m	21.254	ug/l	
73) Bromobenzene	12.50	156	89144	21.905	ug/l	97
74) n-propylbenzene	12.57	91	426084	22.187	ug/l	98
75) 2-Chlorotoluene	12.65	91	256665	21.605	ug/l	97
76) 1,3,5-Trimethylbenzene	12.71	105	311212	21.912	ug/l	100
77) t-1,4-Dichloro-2-butene	12.27	75	38415	21.030	ug/l	79
78) 4-Chlorotoluene	12.75	91	270928	21.888	ug/l	100
79) tert-butylbenzene	12.97	119	256966	22.136	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	314027	21.819	ug/l	99
81) sec-Butylbenzene	13.14	105	334785	22.364	ug/l	98
82) p-Isopropyltoluene	13.26	119	303556	21.968	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	156487	21.768	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	159239	21.847	ug/l	99
85) n-Butylbenzene	13.59	91	267958	22.189	ug/l	97
86) Hexachloroethane	13.85	117	50413	21.609	ug/l	95
87) 1,2-Dichlorobenzene	13.63	146	152460	21.773	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	23703	21.333	ug/l	94
89) 1,2,4-Trichlorobenzene	14.88	180	86554	21.713	ug/l	93
90) Hexachlorobutadiene	14.98	225	48660	22.242	ug/l	99
91) Naphthalene	15.10	128	255487	21.987	ug/l	98
92) 1,2,3-Trichlorobenzene	15.28	180	84999	22.401	ug/l	97

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

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