

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
 Data File : VN064281.D
 Acq On : 23 Oct 2020 10:46
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 1:38:42 PM

Quant Time: Oct 23 12:06:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 23 11:22:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	51374	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	289162	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	264986	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	134384	31.38	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.60%
60) 4-Bromofluorobenzene	12.38	95	136938	29.03	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.77%
63) Toluene-d8	10.06	98	357141	29.85	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	174254	51.700	ug/l 100
3) Chloromethane	2.04	50	179807	51.958	ug/l 95
4) Vinyl Chloride	2.16	62	181323	53.349	ug/l 98
5) Bromomethane	2.53	94	112615	53.822	ug/l 94
6) Chloroethane	2.67	64	103178	52.148	ug/l 96
7) Trichlorofluoromethane	2.98	101	301443	55.139	ug/l 98
8) Diethyl Ether	3.37	74	96563	52.193	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	149843	51.882	ug/l # 86
10) 1,1-Dichloroethene	3.70	96	143230	50.518	ug/l 94
11) Methyl Iodide	3.91	142	215171	53.116	ug/l 99
12) Methyl Acetate	4.28	43	165182	54.747	ug/l 98
13) Acrolein	3.57	56	63827	195.350	ug/l 99
14) Acrylonitrile	4.93	53	332458	274.288	ug/l 98
15) Acetone	3.78	58	105706	307.594	ug/l 100
16) Carbon Disulfide	4.01	76	414698	51.504	ug/l # 94
17) Allyl chloride	4.27	41	271501	51.933	ug/l 94
18) Methylene Chloride	4.50	84	163844	50.307	ug/l 93
19) trans-1,2-Dichloroethene	4.99	96	157697	51.521	ug/l 90
20) Diisopropyl ether	5.90	45	528268	54.095	ug/l 91
21) 1,1-Dichloroethane	5.80	63	317167	53.344	ug/l 97
22) cis-1,2-Dichloroethene	6.78	96	189103	52.971	ug/l # 87
23) tert-Butyl Alcohol	4.73	59	152105	268.776	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	496818	52.937	ug/l 97
25) Chloroform	7.33	83	336997	54.200	ug/l 94
26) Cyclohexane	7.61	56	241646	51.356	ug/l # 98
29) 1,1-Dichloropropene	7.75	75	253190	54.550	ug/l 98
30) 2-Butanone	6.78	43	555483	282.631	ug/l 100
31) 2,2-Dichloropropane	6.78	77	318116	53.656	ug/l 97
32) 1,1,1-Trichloroethane	7.53	97	326404	54.904	ug/l 95
33) Carbon Tetrachloride	7.73	117	292556	54.326	ug/l 95
34) Benzene	8.00	78	687695	53.115	ug/l # 90
35) Methacrylonitrile	7.13	41	116134	55.550	ug/l 97
36) 1,2-Dichloroethane	8.09	62	290918	54.471	ug/l 98
37) Trichloroethene	8.80	130	185429	52.089	ug/l 94
38) Methylcyclohexane	9.05	83	225544	50.976	ug/l 97
39) 1,2-Dichloropropane	9.08	63	184270	53.011	ug/l 97
40) Dibromomethane	9.17	93	126608	52.019	ug/l 91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	277620	53.275	ug/l	93
42) Vinyl Acetate	5.84	43	2458088	268.960	ug/l	99
43) Ethyl Acetate	6.88	43	230568	55.215	ug/l	95
44) Isopropyl Acetate	8.13	43	424462	53.022	ug/l	98
45) 1,4-Dioxane	9.16	88	51236	1083.554	ug/l	87
46) Methyl methacrylate	9.16	41	212821	55.387	ug/l	94
47) n-amyl Acetate	12.04	43	377172	53.098	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	309507	52.535	ug/l	99
49) cis-1,3-Dichloropropene	9.81	75	322003	53.085	ug/l	96
50) 1,1,2-Trichloroethane	10.53	97	170340	52.839	ug/l #	95
51) Ethyl methacrylate	10.40	69	264136	52.480	ug/l	90
52) 1,3-Dichloropropane	10.68	76	300089	53.842	ug/l	99
53) Dibromochloromethane	10.87	129	213908	53.455	ug/l	93
54) 1,2-Dibromoethane	10.98	107	183538	53.793	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	655142	285.308	ug/l	99
56) Bromoform	12.10	173	149637	53.386	ug/l #	98
58) 4-Methyl-2-Pentanone	9.95	43	1165890	266.716	ug/l	100
59) 2-Hexanone	10.72	43	867860	267.274	ug/l	99
61) Tetrachloroethene	10.60	164	184899	53.233	ug/l	96
62) Toluene	10.12	91	766611	52.358	ug/l	99
64) Chlorobenzene	11.41	112	474393	52.131	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.48	131	190502	53.113	ug/l	99
66) Ethyl Benzene	11.48	91	884472	52.704	ug/l	99
67) m/p-Xylenes	11.59	106	651396	104.192	ug/l	99
68) o-Xylene	11.92	106	315852	52.084	ug/l	95
69) Styrene	11.94	104	528466	51.677	ug/l	99
70) Isopropylbenzene	12.22	105	839290	52.509	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	227332	51.779	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	243319m	52.605	ug/l	
73) Bromobenzene	12.50	156	204804	53.338	ug/l	98
74) n-propylbenzene	12.57	91	969553	52.967	ug/l	98
75) 2-Chlorotoluene	12.65	91	596563	52.800	ug/l	99
76) 1,3,5-Trimethylbenzene	12.70	105	708223	51.984	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	92155	51.277	ug/l	93
78) 4-Chlorotoluene	12.75	91	629343	53.041	ug/l	99
79) tert-butylbenzene	12.97	119	583302	52.306	ug/l	100
80) 1,2,4-Trimethylbenzene	13.01	105	728682	52.955	ug/l	100
81) sec-Butylbenzene	13.14	105	756307	52.509	ug/l	98
82) p-Isopropyltoluene	13.26	119	697593	52.194	ug/l	97
83) 1,3-Dichlorobenzene	13.25	146	360301	51.970	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	366026	53.063	ug/l	99
85) n-Butylbenzene	13.59	91	608628	51.453	ug/l	97
86) Hexachloroethane	13.85	117	115450	50.468	ug/l	93
87) 1,2-Dichlorobenzene	13.62	146	355341	52.539	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	56061	49.904	ug/l	96
89) 1,2,4-Trichlorobenzene	14.88	180	207493	52.024	ug/l	95
90) Hexachlorobutadiene	14.98	225	107923	52.279	ug/l	97
91) Naphthalene	15.10	128	613332	50.650	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	197735	51.690	ug/l	98

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

