

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081420\
 Data File : VN062929.D
 Acq On : 13 Aug 2020 23:21
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 9:20:05 AM

Quant Time: Aug 14 05:52:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 14 05:30:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	26809	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	144369	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	134273	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	73822	31.72	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.73%
60) 4-Bromofluorobenzene	12.38	95	73873	32.38	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	107.93%
63) Toluene-d8	10.06	98	190344	30.19	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	124341	70.585	ug/l 97
3) Chloromethane	2.03	50	96487	43.725	ug/l 97
4) Vinyl Chloride	2.16	62	96334	48.830	ug/l 98
5) Bromomethane	2.51	94	92401	79.007	ug/l 100
6) Chloroethane	2.66	64	97320	83.916	ug/l 97
7) Trichlorofluoromethane	2.97	101	206524	74.587	ug/l 99
8) Diethyl Ether	3.37	74	45197	42.109	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	68252	46.230	ug/l 97
10) 1,1-Dichloroethene	3.69	96	61963	41.960	ug/l 94
11) Methyl Iodide	3.91	142	90833	49.142	ug/l 96
12) Methyl Acetate	4.28	43	94836	46.774	ug/l 99
13) Acrolein	3.56	56	62964	218.632	ug/l 95
14) Acrylonitrile	4.93	53	217421	234.056	ug/l 96
15) Acetone	3.78	58	56588	209.312	ug/l 88
16) Carbon Disulfide	4.00	76	166940	35.585	ug/l 100
17) Allyl chloride	4.27	41	104899	35.022	ug/l 99
18) Methylene Chloride	4.50	84	79392	43.543	ug/l 99
19) trans-1,2-Dichloroethene	4.99	96	69323	42.486	ug/l 98
20) Diisopropyl ether	5.91	45	262416	41.167	ug/l 98
21) 1,1-Dichloroethane	5.80	63	145879	42.423	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	84673	45.419	ug/l # 88
23) tert-Butyl Alcohol	4.74	59	88418	271.529	ug/l # 100
24) Methyl tert-Butyl Ether	5.00	73	286687	51.162	ug/l 100
25) Chloroform	7.33	83	164828	50.820	ug/l 100
26) Cyclohexane	7.61	56	131240	43.903	ug/l # 93
29) 1,1-Dichloropropene	7.75	75	106521	44.660	ug/l 99
30) 2-Butanone	6.79	43	280300	227.080	ug/l 99
31) 2,2-Dichloropropane	6.78	77	106142	40.341	ug/l 96
32) 1,1,1-Trichloroethane	7.53	97	148796	55.451	ug/l 97
33) Carbon Tetrachloride	7.73	117	131720	56.244	ug/l 98
34) Benzene	8.00	78	318076	44.964	ug/l # 89
35) Methacrylonitrile	7.14	41	59135m	55.189	ug/l
36) 1,2-Dichloroethane	8.09	62	140537	53.058	ug/l 99
37) Trichloroethene	8.80	130	77207	47.568	ug/l 94
38) Methylcyclohexane	9.05	83	130332	48.258	ug/l 98
39) 1,2-Dichloropropane	9.09	63	88791	44.390	ug/l 99
40) Dibromomethane	9.18	93	59346	49.834	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	136370	53.311	ug/l	98
42) Vinyl Acetate	5.84	43	931133	186.545	ug/l	99
43) Ethyl Acetate	6.88	43	105993	42.414	ug/l #	88
44) Isopropyl Acetate	8.13	43	179200	42.967	ug/l	97
45) 1,4-Dioxane	9.17	88	34754	1140.831	ug/l	97
46) Methyl methacrylate	9.17	41	89391	44.825	ug/l	98
47) n-amyl Acetate	12.05	43	159016	44.603	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	142410	48.817	ug/l	98
49) cis-1,3-Dichloropropene	9.81	75	142568	46.049	ug/l	97
50) 1,1,2-Trichloroethane	10.54	97	85155	50.839	ug/l	96
51) Ethyl methacrylate	10.40	69	136592	49.734	ug/l	95
52) 1,3-Dichloropropane	10.68	76	147576	48.566	ug/l	99
53) Dibromochloromethane	10.87	129	104507	56.126	ug/l	99
54) 1,2-Dibromoethane	10.98	107	88230	51.437	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	164677	198.091	ug/l	98
56) Bromoform	12.10	173	72920	56.909	ug/l	97
58) 4-Methyl-2-Pentanone	9.95	43	597386	236.890	ug/l	99
59) 2-Hexanone	10.72	43	446558	241.904	ug/l	97
61) Tetrachloroethene	10.60	164	70113	51.469	ug/l	98
62) Toluene	10.12	91	357565	48.134	ug/l	98
64) Chlorobenzene	11.41	112	223226	50.257	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	93181	55.294	ug/l	99
66) Ethyl Benzene	11.48	91	411286	50.009	ug/l	100
67) m/p-Xylenes	11.60	106	306435	101.329	ug/l	99
68) o-Xylene	11.92	106	147138	51.105	ug/l	100
69) Styrene	11.94	104	261266	52.673	ug/l	98
70) Isopropylbenzene	12.22	105	420082	53.650	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	132359	52.078	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	134258m	53.468	ug/l	
73) Bromobenzene	12.50	156	99722	54.279	ug/l	100
74) n-propylbenzene	12.57	91	479677	51.814	ug/l	98
75) 2-Chlorotoluene	12.65	91	294288	52.247	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	375668	55.758	ug/l	100
77) t-1,4-Dichloro-2-butene	12.28	75	43076	47.980	ug/l	92
78) 4-Chlorotoluene	12.75	91	304854	53.197	ug/l	100
79) tert-butylbenzene	12.97	119	310450	55.845	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	369634	56.063	ug/l	100
81) sec-Butylbenzene	13.15	105	406880	54.649	ug/l	98
82) p-Isopropyltoluene	13.26	119	372278	56.549	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	180555	56.494	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	176692	56.147	ug/l	98
85) n-Butylbenzene	13.59	91	290745	52.214	ug/l	98
86) Hexachloroethane	13.85	117	70689	54.761	ug/l	97
87) 1,2-Dichlorobenzene	13.63	146	176451	57.296	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.25	75	30974	64.170	ug/l	95
89) 1,2,4-Trichlorobenzene	14.88	180	84612	56.565	ug/l	99
90) Hexachlorobutadiene	14.98	225	54800	62.826	ug/l	96
91) Naphthalene	15.10	128	228468	57.061	ug/l	98
92) 1,2,3-Trichlorobenzene	15.28	180	86533	57.608	ug/l	96

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

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