

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071320\
 Data File : VN062516.D
 Acq On : 13 Jul 2020 15:10
 Operator : JC/MD
 Sample : VN0713WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/14/2020 11:36:55 AM

Quant Time: Jul 14 01:18:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Jul 14 00:52:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	40692	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	224159	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	205844	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	102441	29.31	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.70%
60) 4-Bromofluorobenzene	12.37	95	104569	29.85	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.50%
63) Toluene-d8	10.06	98	293463	30.17	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	46282	19.270	ug/l 98
3) Chloromethane	2.04	50	67143	19.361	ug/l 98
4) Vinyl Chloride	2.16	62	58849	19.412	ug/l 98
5) Bromomethane	2.54	94	26190	17.414	ug/l 92
6) Chloroethane	2.67	64	26578	17.809	ug/l 99
7) Trichlorofluoromethane	2.99	101	68821	19.370	ug/l 99
8) Diethyl Ether	3.38	74	32447	18.997	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	44170	19.230	ug/l 99
10) 1,1-Dichloroethene	3.70	96	44787	19.113	ug/l 96
11) Methyl Iodide	3.91	142	54409	18.961	ug/l 97
12) Methyl Acetate	4.28	43	60091	19.121	ug/l 99
13) Acrolein	3.57	56	45803	97.549	ug/l 100
14) Acrylonitrile	4.93	53	138867	95.011	ug/l 98
15) Acetone	3.78	58	37598	83.798	ug/l 97
16) Carbon Disulfide	4.01	76	142884	18.711	ug/l 99
17) Allyl chloride	4.28	41	96857	19.436	ug/l 97
18) Methylene Chloride	4.50	84	55339	19.193	ug/l 98
19) trans-1,2-Dichloroethene	4.99	96	48822	18.825	ug/l 96
20) Diisopropyl ether	5.91	45	197626	19.290	ug/l 98
21) 1,1-Dichloroethane	5.80	63	103903	19.184	ug/l 100
22) cis-1,2-Dichloroethene	6.78	96	55709	19.047	ug/l 100
23) tert-Butyl Alcohol	4.73	59	46346	94.751	ug/l # 100
24) Methyl tert-Butyl Ether	5.00	73	163750	18.955	ug/l 100
25) Chloroform	7.33	83	96851	19.499	ug/l 97
26) Cyclohexane	7.61	56	92848	19.449	ug/l # 98
29) 1,1-Dichloropropene	7.75	75	73921	19.441	ug/l 99
30) 2-Butanone	6.79	43	187374	92.921	ug/l 97
31) 2,2-Dichloropropane	6.78	77	81022	18.898	ug/l # 71
32) 1,1,1-Trichloroethane	7.53	97	78262	19.151	ug/l 100
33) Carbon Tetrachloride	7.73	117	68460	19.325	ug/l 98
34) Benzene	8.00	78	220677	19.536	ug/l 98
35) Methacrylonitrile	7.13	41	37536	21.191	ug/l 97
36) 1,2-Dichloroethane	8.09	62	80811	19.904	ug/l 100
37) Trichloroethene	8.80	130	50072	19.734	ug/l 99
38) Methylcyclohexane	9.05	83	79601	18.662	ug/l 99
39) 1,2-Dichloropropane	9.09	63	64358	19.998	ug/l 97
40) Dibromomethane	9.18	93	36269	19.555	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	75373	19.160	ug/l	99
42) Vinyl Acetate	5.84	43	826057	98.581	ug/l	100
43) Ethyl Acetate	6.88	43	81178	20.024	ug/l	97
44) Isopropyl Acetate	8.13	43	130461	19.180	ug/l	96
45) 1,4-Dioxane	9.17	88	18532	398.283	ug/l	97
46) Methyl methacrylate	9.17	41	60745	18.824	ug/l	99
47) n-amyl Acetate	12.04	43	105156	18.340	ug/l	97
48) t-1,3-Dichloropropene	10.35	75	85872	18.715	ug/l	100
49) cis-1,3-Dichloropropene	9.81	75	92459	18.667	ug/l	99
50) 1,1,2-Trichloroethane	10.53	97	51181	19.687	ug/l	99
51) Ethyl methacrylate	10.40	69	82546	18.859	ug/l	98
52) 1,3-Dichloropropane	10.68	76	93363	19.568	ug/l	98
53) Dibromochloromethane	10.87	129	54276	19.162	ug/l	100
54) 1,2-Dibromoethane	10.98	107	51058	19.188	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	136455	97.607	ug/l	99
56) Bromoform	12.10	173	36225	18.725	ug/l	99
58) 4-Methyl-2-Pentanone	9.95	43	394874	98.460	ug/l	99
59) 2-Hexanone	10.72	43	281959	95.862	ug/l	100
61) Tetrachloroethene	10.60	164	41220	19.554	ug/l	96
62) Toluene	10.12	91	227766	19.504	ug/l	100
64) Chlorobenzene	11.41	112	133412	19.442	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	48897	19.251	ug/l	99
66) Ethyl Benzene	11.48	91	248151	19.190	ug/l	97
67) m/p-Xylenes	11.59	106	179639	38.273	ug/l	98
68) o-Xylene	11.92	106	85075	18.887	ug/l	99
69) Styrene	11.94	104	142551	18.646	ug/l	99
70) Isopropylbenzene	12.22	105	229386	18.970	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.48	83	77021	19.709	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	67732m	17.818	ug/l	
73) Bromobenzene	12.50	156	53633	19.152	ug/l	98
74) n-propylbenzene	12.57	91	270309	18.806	ug/l	99
75) 2-Chlorotoluene	12.65	91	163588	18.903	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	193251	18.757	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	25369	17.844	ug/l	98
78) 4-Chlorotoluene	12.75	91	165234	18.712	ug/l	100
79) tert-butylbenzene	12.97	119	163166	19.125	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	186464	18.401	ug/l	99
81) sec-Butylbenzene	13.15	105	210947	18.412	ug/l	100
82) p-Isopropyltoluene	13.26	119	183543	18.153	ug/l	100
83) 1,3-Dichlorobenzene	13.26	146	90106	18.528	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	88613	18.465	ug/l	96
85) n-Butylbenzene	13.59	91	146074	16.842	ug/l	100
86) Hexachloroethane	13.85	117	36069	18.487	ug/l	98
87) 1,2-Dichlorobenzene	13.63	146	87704	18.754	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.25	75	13788	18.682	ug/l	99
89) 1,2,4-Trichlorobenzene	14.88	180	40164	17.251	ug/l	96
90) Hexachlorobutadiene	14.98	225	24501	18.974	ug/l	96
91) Naphthalene	15.10	128	106962	16.945	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	41478	17.677	ug/l	98

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

