

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102220\
 Data File : VN064260.D
 Acq On : 22 Oct 2020 19:17
 Operator : JC/MD
 Sample : VN1022WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1022WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 3:37:20 PM

Quant Time: Oct 23 01:44:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 22 16:07:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	47307	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	268700	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	238716	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	127274	32.86	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	109.53%
60) 4-Bromofluorobenzene	12.38	95	131509	30.74	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	102.47%
63) Toluene-d8	10.06	98	324750	30.05	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	65531	20.190	ug/l 97
3) Chloromethane	2.04	50	64270	19.323	ug/l 98
4) Vinyl Chloride	2.16	62	64089	19.585	ug/l 94
5) Bromomethane	2.54	94	39782	20.321	ug/l 95
6) Chloroethane	2.67	64	38750	20.332	ug/l 98
7) Trichlorofluoromethane	2.98	101	112973	21.506	ug/l 96
8) Diethyl Ether	3.38	74	33627	18.855	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	52923	19.089	ug/l 97
10) 1,1-Dichloroethene	3.70	96	50804	18.821	ug/l 96
11) Methyl Iodide	3.91	142	71621	18.408	ug/l 97
12) Methyl Acetate	4.28	43	62388	21.928	ug/l 100
13) Acrolein	3.57	56	39575	127.213	ug/l # 43
14) Acrylonitrile	4.93	53	112093	97.768	ug/l 97
15) Acetone	3.77	58	32352m	104.511	ug/l
16) Carbon Disulfide	4.01	76	139293	18.044	ug/l 97
17) Allyl chloride	4.28	41	94916	18.910	ug/l 97
18) Methylene Chloride	4.50	84	60638	19.641	ug/l 97
19) trans-1,2-Dichloroethene	4.99	96	54427	18.691	ug/l 97
20) Diisopropyl ether	5.90	45	185420	19.989	ug/l 95
21) 1,1-Dichloroethane	5.80	63	113214	19.992	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	66676	19.587	ug/l 96
23) tert-Butyl Alcohol	4.73	59	55424	104.517	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	177569	19.907	ug/l # 53
25) Chloroform	7.33	83	119824	20.365	ug/l 96
26) Cyclohexane	7.62	56	80636	17.959	ug/l # 86
29) 1,1-Dichloropropene	7.75	75	86803	19.452	ug/l 98
30) 2-Butanone	6.79	43	191243	103.927	ug/l 100
31) 2,2-Dichloropropane	6.78	77	106040	18.718	ug/l # 81
32) 1,1,1-Trichloroethane	7.53	97	111385	19.591	ug/l 98
33) Carbon Tetrachloride	7.73	117	103132	19.897	ug/l 97
34) Benzene	8.00	78	236765	19.054	ug/l 100
35) Methacrylonitrile	7.12	41	36449	18.058	ug/l 92
36) 1,2-Dichloroethane	8.09	62	106270	21.145	ug/l 99
37) Trichloroethene	8.80	130	66880	19.548	ug/l 96
38) Methylcyclohexane	9.05	83	74709	17.505	ug/l 98
39) 1,2-Dichloropropane	9.08	63	64508	19.453	ug/l 99
40) Dibromomethane	9.18	93	44715	19.380	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	98151	19.656	ug/l	99
42) Vinyl Acetate	5.84	43	850244	97.326	ug/l	99
43) Ethyl Acetate	6.88	43	71732	17.848	ug/l #	87
44) Isopropyl Acetate	8.13	43	151580m	19.646	ug/l	
45) 1,4-Dioxane	9.16	88	18024	399.412	ug/l	99
46) Methyl methacrylate	9.16	41	71831	19.620	ug/l	95
47) n-amyl Acetate	12.05	43	123718	18.075	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	109638	19.468	ug/l	93
49) cis-1,3-Dichloropropene	9.81	75	109984	18.902	ug/l	95
50) 1,1,2-Trichloroethane	10.53	97	60879	19.695	ug/l	97
51) Ethyl methacrylate	10.40	69	91440	18.707	ug/l	96
52) 1,3-Dichloropropane	10.68	76	103348	19.393	ug/l	99
53) Dibromochloromethane	10.87	129	74819	19.231	ug/l	100
54) 1,2-Dibromoethane	10.98	107	62332	18.971	ug/l	94
55) 2-Chloroethyl vinyl ether	9.66	63	221828	92.340	ug/l	99
56) Bromoform	12.10	173	50535	18.652	ug/l #	98
58) 4-Methyl-2-Pentanone	9.95	43	416673	103.005	ug/l	99
59) 2-Hexanone	10.72	43	300927	100.205	ug/l	99
61) Tetrachloroethene	10.60	164	64069	19.909	ug/l	94
62) Toluene	10.13	91	264276	19.365	ug/l	100
64) Chlorobenzene	11.41	112	165434	19.466	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	67079	20.145	ug/l	96
66) Ethyl Benzene	11.48	91	296197	18.878	ug/l	99
67) m/p-Xylenes	11.59	106	221212	37.910	ug/l	98
68) o-Xylene	11.92	106	105374	18.609	ug/l	98
69) Styrene	11.94	104	178517	18.634	ug/l	98
70) Isopropylbenzene	12.22	105	290596	19.432	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	76437	18.652	ug/l	95
72) 1,2,3-Trichloropropane	12.53	75	78992m	18.471	ug/l	
73) Bromobenzene	12.50	156	69246	19.202	ug/l	95
74) n-propylbenzene	12.57	91	326088	19.105	ug/l	99
75) 2-Chlorotoluene	12.65	91	206410	19.535	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	241148	18.950	ug/l	97
77) t-1,4-Dichloro-2-butene	12.27	75	30964	18.519	ug/l	97
78) 4-Chlorotoluene	12.75	91	214604	19.417	ug/l	99
79) tert-butylbenzene	12.97	119	199414	19.168	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	237936	18.419	ug/l	96
81) sec-Butylbenzene	13.14	105	248398	18.351	ug/l	100
82) p-Isopropyltoluene	13.26	119	232700	18.574	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	120504	18.642	ug/l	99
84) 1,4-Dichlorobenzene	13.33	146	120028	18.546	ug/l	97
85) n-Butylbenzene	13.59	91	196835	17.699	ug/l	99
86) Hexachloroethane	13.85	117	37591	17.429	ug/l	98
87) 1,2-Dichlorobenzene	13.63	146	119779	19.000	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.24	75	19769	19.046	ug/l	93
89) 1,2,4-Trichlorobenzene	14.88	180	64922	17.150	ug/l	96
90) Hexachlorobutadiene	14.98	225	34910	18.193	ug/l	99
91) Naphthalene	15.10	128	200652	17.486	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	66122	18.264	ug/l	98

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

