

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081420\
 Data File : VN062938.D
 Acq On : 14 Aug 2020 14:02
 Operator : JC/MD
 Sample : VN0814WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0814WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 5:45:06 PM

Quant Time: Aug 14 17:30:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 14 06:20:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	26418	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	137693	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	131911	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	71481	30.29	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.97%
60) 4-Bromofluorobenzene	12.38	95	66089	28.45	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.83%
63) Toluene-d8	10.06	98	186022	30.16	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	45787	20.216	ug/l 99
3) Chloromethane	2.03	50	34276	17.472	ug/l 95
4) Vinyl Chloride	2.16	62	34828	16.805	ug/l 93
5) Bromomethane	2.52	94	27482	15.376	ug/l 96
6) Chloroethane	2.66	64	38261	21.288	ug/l 94
7) Trichlorofluoromethane	2.98	101	81709	20.220	ug/l 100
8) Diethyl Ether	3.38	74	16711	18.893	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.71	101	26101	19.633	ug/l 96
10) 1,1-Dichloroethene	3.69	96	21912	17.978	ug/l 91
11) Methyl Iodide	3.91	142	21286	12.574	ug/l 97
12) Methyl Acetate	4.28	43	31919	17.290	ug/l 100
13) Acrolein	3.57	56	18035	76.466	ug/l 97
14) Acrylonitrile	4.94	53	72091	89.458	ug/l 96
15) Acetone	3.78	58	20258	94.118	ug/l 91
16) Carbon Disulfide	4.01	76	61285	17.630	ug/l 98
17) Allyl chloride	4.27	41	38863	18.509	ug/l 91
18) Methylene Chloride	4.50	84	30321	19.228	ug/l 91
19) trans-1,2-Dichloroethene	4.99	96	25158	18.482	ug/l 95
20) Diisopropyl ether	5.90	45	92583	18.836	ug/l 97
21) 1,1-Dichloroethane	5.80	63	54063	18.792	ug/l 97
22) cis-1,2-Dichloroethene	6.78	96	30365	18.657	ug/l # 89
23) tert-Butyl Alcohol	4.74	59	27677	80.277	ug/l # 100
24) Methyl tert-Butyl Ether	5.00	73	97282	18.367	ug/l # 73
25) Chloroform	7.33	83	60168	19.275	ug/l 97
26) Cyclohexane	7.61	56	43389	17.814	ug/l # 96
29) 1,1-Dichloropropene	7.75	75	38496	18.954	ug/l 99
30) 2-Butanone	6.79	43	95029	90.632	ug/l 99
31) 2,2-Dichloropropane	6.77	77	49572	24.511	ug/l 97
32) 1,1,1-Trichloroethane	7.53	97	54755	19.676	ug/l 96
33) Carbon Tetrachloride	7.73	117	47508	19.252	ug/l 96
34) Benzene	8.00	78	112401	18.409	ug/l 94
35) Methacrylonitrile	7.13	41	15388	16.543	ug/l 97
36) 1,2-Dichloroethane	8.08	62	50765	19.142	ug/l 98
37) Trichloroethene	8.80	130	29301	19.347	ug/l 95
38) Methylcyclohexane	9.05	83	43889	18.066	ug/l 98
39) 1,2-Dichloropropane	9.08	63	31053	18.632	ug/l 97
40) Dibromomethane	9.17	93	22020	19.506	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.37	83	49674	19.605	ug/l	97
42) Vinyl Acetate	5.85	43	312231	88.099	ug/l	100
43) Ethyl Acetate	6.88	43	36774	17.855	ug/l #	83
44) Isopropyl Acetate	8.12	43	59793	17.778	ug/l	96
45) 1,4-Dioxane	9.17	88	11435	347.169	ug/l	96
46) Methyl methacrylate	9.17	41	29068	17.283	ug/l	98
47) n-amyl Acetate	12.05	43	50885	16.959	ug/l	97
48) t-1,3-Dichloropropene	10.35	75	48962	18.498	ug/l	97
49) cis-1,3-Dichloropropene	9.81	75	50806	19.101	ug/l	100
50) 1,1,2-Trichloroethane	10.53	97	31450	19.384	ug/l	97
51) Ethyl methacrylate	10.40	69	43490	17.608	ug/l	94
52) 1,3-Dichloropropane	10.68	76	53359	19.034	ug/l	99
53) Dibromochloromethane	10.88	129	37351	19.258	ug/l	99
54) 1,2-Dibromoethane	10.98	107	30896	18.608	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	45602	76.292	ug/l	97
56) Bromoform	12.10	173	26604	19.325	ug/l	99
58) 4-Methyl-2-Pentanone	9.95	43	203117	88.491	ug/l	99
59) 2-Hexanone	10.72	43	145804	86.996	ug/l	99
61) Tetrachloroethene	10.60	164	26154	19.178	ug/l	96
62) Toluene	10.13	91	129316	18.593	ug/l	100
64) Chlorobenzene	11.41	112	82208	18.842	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.48	131	35143	19.478	ug/l	97
66) Ethyl Benzene	11.48	91	142438	18.396	ug/l	99
67) m/p-Xylenes	11.60	106	106262	37.074	ug/l	99
68) o-Xylene	11.92	106	50684	18.421	ug/l	97
69) Styrene	11.94	104	88425	18.100	ug/l	99
70) Isopropylbenzene	12.22	105	143967	18.386	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	47751	18.527	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	45650m	17.885	ug/l	
73) Bromobenzene	12.50	156	35399	18.438	ug/l	98
74) n-propylbenzene	12.57	91	163474	18.092	ug/l	98
75) 2-Chlorotoluene	12.65	91	104365	18.398	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	127601	18.328	ug/l	99
77) t-1,4-Dichloro-2-butene	12.28	75	11474	13.960	ug/l	92
78) 4-Chlorotoluene	12.75	91	104587	18.127	ug/l	98
79) tert-butylbenzene	12.97	119	105029	18.264	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	123530	18.156	ug/l	98
81) sec-Butylbenzene	13.15	105	140123	18.456	ug/l	100
82) p-Isopropyltoluene	13.26	119	123351	18.172	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	61972	18.420	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	60605	18.347	ug/l	97
85) n-Butylbenzene	13.59	91	90920	15.712	ug/l	98
86) Hexachloroethane	13.85	117	22947	15.604	ug/l	99
87) 1,2-Dichlorobenzene	13.63	146	60973	17.559	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	9728	16.003	ug/l	96
89) 1,2,4-Trichlorobenzene	14.88	180	25818	16.142	ug/l	99
90) Hexachlorobutadiene	14.98	225	20058	18.771	ug/l	97
91) Naphthalene	15.10	128	60670	14.013	ug/l	98
92) 1,2,3-Trichlorobenzene	15.28	180	25706	16.050	ug/l	99

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

