

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082120\
 Data File : VN063075.D
 Acq On : 21 Aug 2020 12:54
 Operator : JC/MD
 Sample : VN0821WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0821WBS01

Manual Integrations
 APPROVED

sam
 8/24/2020 5:52:12 PM

Quant Time: Aug 22 01:13:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Aug 20 14:01:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	31049	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	160948	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	154201	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	66803	30.37	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.23%
60) 4-Bromofluorobenzene	12.38	95	72540	29.77	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.23%
63) Toluene-d8	10.06	98	213751	30.20	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	46026	20.733	ug/l 99
3) Chloromethane	2.04	50	49689	20.228	ug/l 100
4) Vinyl Chloride	2.16	62	50562	20.447	ug/l 98
5) Bromomethane	2.53	94	30419	19.956	ug/l 94
6) Chloroethane	2.67	64	30339	20.759	ug/l 100
7) Trichlorofluoromethane	2.98	101	60268	20.210	ug/l 95
8) Diethyl Ether	3.37	74	18864	19.020	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	31545	19.564	ug/l 99
10) 1,1-Dichloroethene	3.70	96	27511	18.987	ug/l 98
11) Methyl Iodide	3.91	142	37582	18.905	ug/l 98
12) Methyl Acetate	4.28	43	38807	20.094	ug/l 99
13) Acrolein	3.57	56	17025	86.011	ug/l 97
14) Acrylonitrile	4.93	53	82087	97.068	ug/l 98
15) Acetone	3.78	58	23841	97.410	ug/l 98
16) Carbon Disulfide	4.01	76	71234	18.314	ug/l 100
17) Allyl chloride	4.27	41	50746	19.087	ug/l 95
18) Methylene Chloride	4.50	84	38136	18.812	ug/l 98
19) trans-1,2-Dichloroethene	4.99	96	30931	19.414	ug/l 90
20) Diisopropyl ether	5.90	45	124941	20.065	ug/l 96
21) 1,1-Dichloroethane	5.80	63	67548	19.766	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	38569	19.534	ug/l 99
23) tert-Butyl Alcohol	4.73	59	24119	87.057	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	102065	19.202	ug/l 100
25) Chloroform	7.33	83	68072	20.001	ug/l 99
26) Cyclohexane	7.61	56	54773	18.618	ug/l # 100
29) 1,1-Dichloropropene	7.75	75	44435	19.011	ug/l 99
30) 2-Butanone	6.79	43	102736	94.303	ug/l 99
31) 2,2-Dichloropropane	6.77	77	54961	19.345	ug/l 99
32) 1,1,1-Trichloroethane	7.53	97	55573	19.741	ug/l 100
33) Carbon Tetrachloride	7.73	117	46847	19.542	ug/l 99
34) Benzene	8.00	78	145171	19.381	ug/l 98
35) Methacrylonitrile	7.12	41	18582	17.946	ug/l 96
36) 1,2-Dichloroethane	8.09	62	49627	19.420	ug/l 100
37) Trichloroethene	8.80	130	35392	19.294	ug/l 98
38) Methylcyclohexane	9.05	83	53243	18.161	ug/l 100
39) 1,2-Dichloropropane	9.09	63	43031	19.739	ug/l 99
40) Dibromomethane	9.18	93	24640	19.468	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	54148	19.305	ug/l	99
42) Vinyl Acetate	5.84	43	379220	91.888	ug/l	100
43) Ethyl Acetate	6.89	43	40114	19.291	ug/l	99
44) Isopropyl Acetate	8.12	43	66826	19.144	ug/l	99
45) 1,4-Dioxane	9.17	88	11139	340.705	ug/l	98
46) Methyl methacrylate	9.17	41	31329	18.229	ug/l	98
47) n-amyl Acetate	12.05	43	54042	17.443	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	56366	19.028	ug/l	97
49) cis-1,3-Dichloropropene	9.81	75	62430	19.362	ug/l	99
50) 1,1,2-Trichloroethane	10.53	97	37769	19.354	ug/l	99
51) Ethyl methacrylate	10.40	69	49689	18.715	ug/l	99
52) 1,3-Dichloropropane	10.68	76	62797	19.477	ug/l	98
53) Dibromochloromethane	10.87	129	41655	19.451	ug/l	100
54) 1,2-Dibromoethane	10.98	107	36320	19.401	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	51685	94.770	ug/l	99
56) Bromoform	12.10	173	29727	18.956	ug/l	96
58) 4-Methyl-2-Pentanone	9.95	43	215545	97.169	ug/l	100
59) 2-Hexanone	10.72	43	146506	92.585	ug/l	99
61) Tetrachloroethene	10.60	164	32634	19.305	ug/l	98
62) Toluene	10.12	91	157321	19.250	ug/l	99
64) Chlorobenzene	11.40	112	97962	19.372	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	39033	19.475	ug/l	99
66) Ethyl Benzene	11.48	91	164221	18.434	ug/l	98
67) m/p-Xylenes	11.60	106	125042	37.468	ug/l	99
68) o-Xylene	11.92	106	59675	18.615	ug/l	100
69) Styrene	11.94	104	105632	18.862	ug/l	99
70) Isopropylbenzene	12.22	105	164907	18.909	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	53504	19.131	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	44022m	17.740	ug/l	
73) Bromobenzene	12.50	156	44474	18.911	ug/l	99
74) n-propylbenzene	12.57	91	194950	18.636	ug/l	100
75) 2-Chlorotoluene	12.65	91	117655	18.870	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	139457	18.738	ug/l	100
77) t-1,4-Dichloro-2-butene	12.27	75	15651	17.845	ug/l	97
78) 4-Chlorotoluene	12.75	91	119780	18.633	ug/l	100
79) tert-butylbenzene	12.97	119	115172	18.392	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	130412	18.001	ug/l	100
81) sec-Butylbenzene	13.15	105	158918	18.423	ug/l	100
82) p-Isopropyltoluene	13.26	119	136142	17.803	ug/l	100
83) 1,3-Dichlorobenzene	13.26	146	75504	18.388	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	73878	18.408	ug/l	99
85) n-Butylbenzene	13.59	91	102538	16.135	ug/l	100
86) Hexachloroethane	13.85	117	28598	18.987	ug/l	95
87) 1,2-Dichlorobenzene	13.63	146	72290	18.382	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.25	75	7951	17.924	ug/l	97
89) 1,2,4-Trichlorobenzene	14.88	180	29507	15.204	ug/l	99
90) Hexachlorobutadiene	14.98	225	25343	17.642	ug/l	98
91) Naphthalene	15.10	128	59075	13.775	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	29984	15.475	ug/l	99

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

