

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082418\
 Data File : VN050863.D
 Acq On : 24 Aug 2018 9:13
 Operator : MD\SY
 Sample : VN0824WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/25/2018 1:18:22 PM

Quant Time: Aug 24 14:14:07 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	112339	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	616841	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	545725	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	218162	28.57	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.23%
60) 4-Bromofluorobenzene	12.40	95	250494	29.88	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.60%
63) Toluene-d8	10.09	98	778861	29.88	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	185989	24.025	ug/l 97
3) Chloromethane	2.06	50	203043	25.439	ug/l 99
4) Vinyl Chloride	2.18	62	199080	23.427	ug/l 96
5) Bromomethane	2.57	94	115744	22.344	ug/l 99
6) Chloroethane	2.70	64	115318	22.946	ug/l 97
7) Trichlorofluoromethane	3.01	101	262969	23.682	ug/l 100
8) Diethyl Ether	3.41	74	85528	22.962	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	160805	23.805	ug/l 98
10) 1,1-Dichloroethene	3.74	96	142276	23.754	ug/l 93
11) Methyl Iodide	3.95	142	111700	12.674	ug/l 97
12) Methyl Acetate	4.33	43	143334	20.891	ug/l 100
13) Acrolein	3.61	56	18811	44.363	ug/l 95
14) Acrylonitrile	4.99	53	242127	105.758	ug/l 98
15) Acetone	3.82	58	58752	96.561	ug/l 90
16) Carbon Disulfide	4.05	76	441300	24.076	ug/l 100
17) Allyl chloride	4.32	41	218340	23.083	ug/l 96
18) Methylene Chloride	4.55	84	166453	24.083	ug/l 97
19) trans-1,2-Dichloroethene	5.04	96	149908	23.378	ug/l 99
20) Diisopropyl ether	5.95	45	465203	23.986	ug/l 100
21) 1,1-Dichloroethane	5.85	63	283620	23.256	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	167268	23.521	ug/l 99
23) tert-Butyl Alcohol	4.78	59	46628	91.146	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	367380	22.491	ug/l 98
25) Chloroform	7.37	83	283526	22.966	ug/l 100
26) Cyclohexane	7.65	56	243063	25.081	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	219291	22.907	ug/l 98
30) 2-Butanone	6.84	43	269538	89.728	ug/l 97
31) 2,2-Dichloropropane	6.82	77	228164	21.562	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	242945	21.561	ug/l 99
33) Carbon Tetrachloride	7.77	117	214088	21.315	ug/l 99
34) Benzene	8.04	78	656006	22.564	ug/l 96
35) Methacrylonitrile	7.17	41	50691	14.821	ug/l 97
36) 1,2-Dichloroethane	8.12	62	194419	20.367	ug/l 100
37) Trichloroethene	8.83	130	170691	22.386	ug/l 94
38) Methylcyclohexane	9.08	83	228244	22.616	ug/l 100
39) 1,2-Dichloropropane	9.12	63	170413	22.251	ug/l 98
40) Dibromomethane	9.21	93	100237	21.177	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	210084	21.041	ug/l	97
42) Vinyl Acetate	5.90	43	1411834	99.876	ug/l	100
43) Ethyl Acetate	6.93	43	117541	18.738	ug/l	93
44) Isopropyl Acetate	8.17	43	216251	18.610	ug/l	99
45) 1,4-Dioxane	9.20	88	29505	385.864	ug/l	94
46) Methyl methacrylate	9.20	41	103229	18.325	ug/l	98
47) n-amyl Acetate	12.07	43	158402	17.519	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	201440	21.166	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	242292	21.667	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	143979	21.191	ug/l	99
51) Ethyl methacrylate	10.43	69	158793	19.255	ug/l	94
52) 1,3-Dichloropropane	10.71	76	235075	21.070	ug/l	100
53) Dibromochloromethane	10.90	129	160024	20.754	ug/l	99
54) 1,2-Dibromoethane	11.01	107	135129	20.307	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	332570	89.106	ug/l	99
56) Bromoform	12.13	173	106094	19.486	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	601758	94.764	ug/l	98
59) 2-Hexanone	10.75	43	381074	87.965	ug/l	98
61) Tetrachloroethene	10.63	164	159144	21.530	ug/l	96
62) Toluene	10.16	91	695061	22.324	ug/l	99
64) Chlorobenzene	11.43	112	427717	22.654	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	161051	21.869	ug/l	99
66) Ethyl Benzene	11.51	91	706202	22.195	ug/l	100
67) m/p-Xylenes	11.62	106	566591	46.271	ug/l	97
68) o-Xylene	11.95	106	265426	22.782	ug/l	99
69) Styrene	11.96	104	411821	22.050	ug/l	99
70) Isopropylbenzene	12.25	105	710502	22.898	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	176099	20.671	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	139303m	19.145	ug/l	
73) Bromobenzene	12.53	156	178158	21.554	ug/l	99
74) n-propylbenzene	12.59	91	799629	22.127	ug/l	100
75) 2-Chlorotoluene	12.67	91	483603	22.280	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	581954	22.835	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	40719	17.117	ug/l	96
78) 4-Chlorotoluene	12.77	91	475851	22.123	ug/l	99
79) tert-butylbenzene	12.99	119	493496	22.649	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	587434	22.751	ug/l	99
81) sec-Butylbenzene	13.17	105	654642	22.117	ug/l	99
82) p-Isopropyltoluene	13.29	119	562987	22.292	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	303989	21.121	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	283742	20.862	ug/l	98
85) n-Butylbenzene	13.62	91	413394	20.170	ug/l	100
86) Hexachloroethane	13.87	117	106211	21.045	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	297097	21.118	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	22461	16.924	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	115018	17.117	ug/l	99
90) Hexachlorobutadiene	15.01	225	95486	21.553	ug/l	98
91) Naphthalene	15.13	128	203046	17.281	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	117865	17.247	ug/l	98

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

