

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073118\
 Data File : VN050206.D
 Acq On : 31 Jul 2018 10:26
 Operator : MD\SY
 Sample : VN0731WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0731WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/1/2018 11:13:59 AM

Quant Time: Jul 31 17:55:04 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	7.20	128	125165	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	655278	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	573129	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	257767	30.30	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.00%
60) 4-Bromofluorobenzene	12.40	95	253800	28.82	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.07%
63) Toluene-d8	10.09	98	820376	29.97	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	158436	18.369 ug/l	98
3) Chloromethane	2.06	50	155766	17.516 ug/l	99
4) Vinyl Chloride	2.18	62	167142	17.653 ug/l	97
5) Bromomethane	2.56	94	56944	9.866 ug/l	98
6) Chloroethane	2.70	64	99955	17.851 ug/l	99
7) Trichlorofluoromethane	3.01	101	224635	18.157 ug/l	99
8) Diethyl Ether	3.41	74	80340	19.359 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	138345	18.381 ug/l	98
10) 1,1-Dichloroethene	3.73	96	118332	17.732 ug/l	98
11) Methyl Iodide	3.95	142	59472	6.057 ug/l	97
12) Methyl Acetate	4.33	43	175728	22.988 ug/l	97
13) Acrolein	3.61	56	16836	35.637 ug/l	96
14) Acrylonitrile	4.99	53	249730	97.902 ug/l	99
15) Acetone	3.82	58	65758	97.001 ug/l	98
16) Carbon Disulfide	4.05	76	336765	16.490 ug/l	100
17) Allyl chloride	4.33	41	196115	18.609 ug/l	99
18) Methylene Chloride	4.55	84	149890	19.465 ug/l	99
19) trans-1,2-Dichloroethene	5.04	96	129539	18.131 ug/l	97
20) Diisopropyl ether	5.96	45	440390	20.379 ug/l	99
21) 1,1-Dichloroethane	5.85	63	259054	19.065 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	152763	19.280 ug/l	100
23) tert-Butyl Alcohol	4.80	59	56645	99.381 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	363375	19.966 ug/l	99
25) Chloroform	7.37	83	267870	19.474 ug/l	99
26) Cyclohexane	7.65	56	192376	17.817 ug/l	# 99
29) 1,1-Dichloropropene	7.79	75	184690	18.161 ug/l	98
30) 2-Butanone	6.84	43	299789	93.944 ug/l	99
31) 2,2-Dichloropropane	6.83	77	204578	18.199 ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	224348	18.743 ug/l	100
33) Carbon Tetrachloride	7.77	117	194730	18.250 ug/l	99
34) Benzene	8.04	78	588772	19.064 ug/l	100
35) Methacrylonitrile	7.18	41	68270	18.790 ug/l	97
36) 1,2-Dichloroethane	8.13	62	195840	19.313 ug/l	99
37) Trichloroethene	8.83	130	149219	18.422 ug/l	97
38) Methylcyclohexane	9.08	83	179424	16.736 ug/l	99
39) 1,2-Dichloropropane	9.12	63	158524	19.485 ug/l	99
40) Dibromomethane	9.21	93	101453	20.176 ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	208067	19.617	ug/l	100
42) Vinyl Acetate	5.90	43	1406972	93.694	ug/l	99
43) Ethyl Acetate	6.93	43	128918	19.347	ug/l #	91
44) Isopropyl Acetate	8.17	43	253849	20.565	ug/l	94
45) 1,4-Dioxane	9.20	88	31829	391.841	ug/l	95
46) Methyl methacrylate	9.20	41	114665	19.162	ug/l	98
47) n-amyl Acetate	12.07	43	171561	17.861	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	194202	19.209	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	227016	19.110	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	142377	19.726	ug/l	97
51) Ethyl methacrylate	10.43	69	165124	18.849	ug/l	99
52) 1,3-Dichloropropane	10.71	76	234267	19.765	ug/l	99
53) Dibromochloromethane	10.90	129	156600	19.118	ug/l	99
54) 1,2-Dibromoethane	11.01	107	136581	19.321	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	359018	90.550	ug/l	100
56) Bromoform	12.13	173	106612	18.433	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	677585	101.604	ug/l	100
59) 2-Hexanone	10.75	43	439472	96.594	ug/l	99
61) Tetrachloroethene	10.63	164	140800	18.137	ug/l	97
62) Toluene	10.16	91	622990	19.052	ug/l	99
64) Chlorobenzene	11.43	112	380581	19.193	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	151015	19.526	ug/l	99
66) Ethyl Benzene	11.51	91	616179	18.439	ug/l	100
67) m/p-Xylenes	11.62	106	483312	37.583	ug/l	99
68) o-Xylene	11.95	106	232647	19.014	ug/l	100
69) Styrene	11.96	104	367676	18.745	ug/l	99
70) Isopropylbenzene	12.25	105	607419	18.640	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	176664	19.746	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	148461m	19.428	ug/l	
73) Bromobenzene	12.53	156	160941	18.540	ug/l	96
74) n-propylbenzene	12.59	91	687509	18.115	ug/l	99
75) 2-Chlorotoluene	12.68	91	426144	18.694	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	499355	18.657	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	43001	17.212	ug/l	94
78) 4-Chlorotoluene	12.77	91	420759	18.627	ug/l	99
79) tert-butylbenzene	12.99	119	416270	18.191	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	509660	18.795	ug/l	100
81) sec-Butylbenzene	13.17	105	565454	18.190	ug/l	99
82) p-Isopropyltoluene	13.29	119	475324	17.921	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	272140	18.004	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	255463	17.885	ug/l	99
85) n-Butylbenzene	13.62	91	358591	16.659	ug/l	99
86) Hexachloroethane	13.88	117	93529	17.646	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	274717	18.594	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	26745	19.189	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	110694	15.686	ug/l	99
90) Hexachlorobutadiene	15.01	225	81946	17.612	ug/l	97
91) Naphthalene	15.13	128	229632	18.022	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	117343	16.350	ug/l	98

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

