

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072518\
 Data File : VN050043.D
 Acq On : 25 Jul 2018 12:59
 Operator : MD\SY
 Sample : VN0725WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/26/2018 3:54:12 PM

Quant Time: Jul 26 15:26:33 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	131564	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	712767	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	613813	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	275364	30.79	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.63%
60) 4-Bromofluorobenzene	12.40	95	278437	29.53	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.43%
63) Toluene-d8	10.09	98	887728	30.28	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.93%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	195201	21.53	ug/l	98
3) Chloromethane	2.06	50	188513	20.17	ug/l	100
4) Vinyl Chloride	2.18	62	197440	19.84	ug/l	97
5) Bromomethane	2.56	94	143585	23.67	ug/l	95
6) Chloroethane	2.70	64	117169	19.91	ug/l	100
7) Trichlorofluoromethane	3.01	101	264010	20.30	ug/l	99
8) Diethyl Ether	3.41	74	86202	19.76	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.76	101	161157	20.37	ug/l	99
10) 1,1-Dichloroethene	3.73	96	138201	19.70	ug/l	96
11) Methyl Iodide	3.95	142	164398	15.93	ug/l	98
12) Methyl Acetate	4.33	43	164977	20.53	ug/l	96
13) Acrolein	3.61	56	40708	81.98	ug/l	99
14) Acrylonitrile	5.00	53	267313	99.70	ug/l	98
15) Acetone	3.82	58	71154	99.86	ug/l	98
16) Carbon Disulfide	4.05	76	413488	19.26	ug/l	100
17) Allyl chloride	4.32	41	217463	19.63	ug/l	99
18) Methylene Chloride	4.55	84	159811	19.74	ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	150979	20.10	ug/l	94
20) Diisopropyl ether	5.96	45	459878	20.25	ug/l	99
21) 1,1-Dichloroethane	5.85	63	285850	20.01	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	165096	19.82	ug/l	99
23) tert-Butyl Alcohol	4.81	59	62674	104.61	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	392274	20.51	ug/l	100
25) Chloroform	7.37	83	290423	20.09	ug/l	99
26) Cyclohexane	7.65	56	228513	20.13	ug/l #	99
29) 1,1-Dichloropropene	7.80	75	212090	19.17	ug/l	100
30) 2-Butanone	6.84	43	329295	94.87	ug/l	98
31) 2,2-Dichloropropane	6.83	77	231853	18.96	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	247625	19.02	ug/l	99
33) Carbon Tetrachloride	7.78	117	218349	18.81	ug/l	98
34) Benzene	8.04	78	638399	19.00	ug/l	99
35) Methacrylonitrile	7.18	41	71625	18.12	ug/l	97
36) 1,2-Dichloroethane	8.13	62	210928	19.12	ug/l	99
37) Trichloroethene	8.84	130	169419	19.23	ug/l	98
38) Methylcyclohexane	9.08	83	223636	19.18	ug/l	98
39) 1,2-Dichloropropane	9.12	63	169384	19.14	ug/l	100
40) Dibromomethane	9.21	93	103469	18.92	ug/l	99

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

41) Bromodichloromethane	9.41	83	213512	18.51	ug/l	98
42) Vinyl Acetate	5.90	43	1547803	94.76	ug/l	99
43) Ethyl Acetate	6.93	43	138276	19.08	ug/l #	92
44) Isopropyl Acetate	8.17	43	270611	20.15	ug/l	95
45) 1,4-Dioxane	9.20	88	35519	402.00	ug/l	99
46) Methyl methacrylate	9.20	41	117799	18.10	ug/l	96
47) n-amyl Acetate	12.07	43	186342	17.84	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	205517	18.69	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	242876	18.80	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	147654	18.81	ug/l	98
51) Ethyl methacrylate	10.43	69	175983	18.47	ug/l	99
52) 1,3-Dichloropropane	10.71	76	241373	18.72	ug/l	100
53) Dibromochloromethane	10.90	129	163558	18.36	ug/l	99
54) 1,2-Dibromoethane	11.01	107	144879	18.84	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	396362	91.91	ug/l	99
56) Bromoform	12.13	173	112344	17.86	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	713252	99.86	ug/l	99
59) 2-Hexanone	10.75	43	474570	97.40	ug/l	100
61) Tetrachloroethene	10.63	164	162393	19.53	ug/l	97
62) Toluene	10.16	91	687806	19.64	ug/l	99
64) Chlorobenzene	11.44	112	413596	19.48	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	158655	19.15	ug/l	99
66) Ethyl Benzene	11.51	91	692070	19.34	ug/l	100
67) m/p-Xylenes	11.62	106	542915	39.42	ug/l	99
68) o-Xylene	11.95	106	250379	19.11	ug/l	97
69) Styrene	11.97	104	400789	19.08	ug/l	100
70) Isopropylbenzene	12.25	105	684734	19.62	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	184249	19.23	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	164939m	20.15	ug/l	
73) Bromobenzene	12.53	156	175015	18.83	ug/l	98
74) n-propylbenzene	12.59	91	785579	19.33	ug/l	99
75) 2-Chlorotoluene	12.68	91	475996	19.50	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	564489	19.69	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	48310	18.06	ug/l	93
78) 4-Chlorotoluene	12.78	91	468940	19.38	ug/l	99
79) tert-butylbenzene	13.00	119	479463	19.56	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	574214	19.77	ug/l	99
81) sec-Butylbenzene	13.17	105	651588	19.57	ug/l	99
82) p-Isopropyltoluene	13.29	119	552992	19.47	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	305581	18.88	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	303125	19.82	ug/l	98
85) n-Butylbenzene	13.62	91	424323	18.41	ug/l	99
86) Hexachloroethane	13.88	117	108944	19.19	ug/l	96
87) 1,2-Dichlorobenzene	13.66	146	310961	19.65	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	29590	19.82	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	155216	20.54	ug/l	98
90) Hexachlorobutadiene	15.01	225	93685	18.80	ug/l	98
91) Naphthalene	15.14	128	343532	22.14	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	142662	18.56	ug/l	99

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

