

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082818\
 Data File : VN050916.D
 Acq On : 28 Aug 2018 16:10
 Operator : MD\SY
 Sample : VN0828WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/29/2018 11:10:20 AM

Quant Time: Aug 28 16:31:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Aug 28 14:02:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	119711	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	637345	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	546009	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	231209	30.27	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.90%
60) 4-Bromofluorobenzene	12.40	95	240822	29.66	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.87%
63) Toluene-d8	10.09	98	799642	31.40	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	104.67%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	159923	21.51	ug/l	97
3) Chloromethane	2.06	50	174924	19.93	ug/l	98
4) Vinyl Chloride	2.18	62	175742	20.26	ug/l	96
5) Bromomethane	2.56	94	95284	18.02	ug/l	94
6) Chloroethane	2.70	64	101318	19.80	ug/l	97
7) Trichlorofluoromethane	3.01	101	234527	20.40	ug/l	99
8) Diethyl Ether	3.41	74	83186	20.52	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	147711	20.74	ug/l	100
10) 1,1-Dichloroethene	3.73	96	131084	20.27	ug/l	92
11) Methyl Iodide	3.95	142	110262	18.27	ug/l	99
12) Methyl Acetate	4.33	43	156896	20.98	ug/l	95
13) Acrolein	3.61	56	14470	87.37	ug/l	89
14) Acrylonitrile	5.00	53	250753	99.15	ug/l	98
15) Acetone	3.82	58	65678	101.49	ug/l	94
16) Carbon Disulfide	4.05	76	382691	19.68	ug/l	99
17) Allyl chloride	4.32	41	200228	19.67	ug/l	95
18) Methylene Chloride	4.55	84	153169	20.17	ug/l	94
19) trans-1,2-Dichloroethene	5.04	96	140793	20.43	ug/l	95
20) Diisopropyl ether	5.96	45	439935	20.82	ug/l	99
21) 1,1-Dichloroethane	5.85	63	260897	20.14	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	154716	19.87	ug/l	98
23) tert-Butyl Alcohol	4.80	59	55999	104.12	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	363331	20.54	ug/l	98
25) Chloroform	7.37	83	264193	20.43	ug/l	100
26) Cyclohexane	7.65	56	215533	20.08	ug/l #	98
29) 1,1-Dichloropropene	7.80	75	189889	19.90	ug/l	100
30) 2-Butanone	6.84	43	283007	96.41	ug/l	98
31) 2,2-Dichloropropane	6.83	77	195702	21.08	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	219788	20.31	ug/l	98
33) Carbon Tetrachloride	7.78	117	195499	20.06	ug/l	98
34) Benzene	8.04	78	600389	20.34	ug/l	99
35) Methacrylonitrile	7.18	41	68982	21.45	ug/l	93
36) 1,2-Dichloroethane	8.13	62	183554	20.56	ug/l	99
37) Trichloroethene	8.84	130	154236	19.99	ug/l	99
38) Methylcyclohexane	9.08	83	202209	19.73	ug/l	98
39) 1,2-Dichloropropane	9.12	63	159382	20.67	ug/l	99
40) Dibromomethane	9.21	93	94546	20.36	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	197486	20.17	ug/l	97
42) Vinyl Acetate	5.90	43	1356269	100.31	ug/l	100
43) Ethyl Acetate	6.94	43	130849	21.76	ug/l #	91
44) Isopropyl Acetate	8.17	43	217699	20.52	ug/l	98
45) 1,4-Dioxane	9.20	88	31047	393.89	ug/l	95
46) Methyl methacrylate	9.20	41	110238	20.74	ug/l	97
47) n-amyl Acetate	12.07	43	159590	18.71	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	186865	19.47	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	218462	19.82	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	138329	20.50	ug/l	98
51) Ethyl methacrylate	10.43	69	157920	19.13	ug/l	97
52) 1,3-Dichloropropane	10.71	76	226006	20.22	ug/l	98
53) Dibromochloromethane	10.90	129	149575	19.49	ug/l	99
54) 1,2-Dibromoethane	11.01	107	130796	19.60	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	334999	97.52	ug/l	100
56) Bromoform	12.13	173	102740	18.83	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	640028	102.45	ug/l	98
59) 2-Hexanone	10.75	43	399158	97.75	ug/l	99
61) Tetrachloroethene	10.63	164	141098	20.74	ug/l	99
62) Toluene	10.16	91	632182	20.75	ug/l	99
64) Chlorobenzene	11.44	112	381079	20.19	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	148511	20.83	ug/l	100
66) Ethyl Benzene	11.51	91	632415	20.04	ug/l	100
67) m/p-Xylenes	11.62	106	490263	40.38	ug/l	99
68) o-Xylene	11.95	106	233781	20.15	ug/l	99
69) Styrene	11.97	104	362529	19.66	ug/l	99
70) Isopropylbenzene	12.25	105	620674	20.14	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	169873	20.35	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	142781m	21.78	ug/l	
73) Bromobenzene	12.53	156	160954	19.85	ug/l	100
74) n-propylbenzene	12.59	91	690767	19.82	ug/l	100
75) 2-Chlorotoluene	12.67	91	423785	20.02	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	510306	20.26	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	38293	18.67	ug/l	96
78) 4-Chlorotoluene	12.77	91	415195	19.92	ug/l	99
79) tert-butylbenzene	12.99	119	438830	20.06	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	510052	20.31	ug/l	98
81) sec-Butylbenzene	13.17	105	576057	20.13	ug/l	100
82) p-Isopropyltoluene	13.29	119	492878	19.95	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	264545	19.29	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	250110	19.25	ug/l	99
85) n-Butylbenzene	13.62	91	361972	19.20	ug/l	99
86) Hexachloroethane	13.88	117	92118	19.43	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	264958	19.63	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	25023	21.43	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	104900	17.46	ug/l	99
90) Hexachlorobutadiene	15.01	225	86472	21.18	ug/l	99
91) Naphthalene	15.14	128	209593	19.74	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	112102	18.59	ug/l	99

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

