

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101518\
 Data File : VN051864.D
 Acq On : 15 Oct 2018 10:39
 Operator : MD\SY
 Sample : VN1015WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/16/2018 3:56:10 PM

Quant Time: Oct 16 00:57:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	123862	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	697287	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	584867	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	221844	29.44	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.13%
60) 4-Bromofluorobenzene	12.40	95	242058	28.70	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.67%
63) Toluene-d8	10.09	98	803985	31.66	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	105.53%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	95159	19.78	ug/l	100
3) Chloromethane	2.06	50	93458	18.38	ug/l	99
4) Vinyl Chloride	2.18	62	134019	17.65	ug/l	99
5) Bromomethane	2.57	94	118752	17.70	ug/l	85
6) Chloroethane	2.71	64	96845	17.69	ug/l	98
7) Trichlorofluoromethane	3.02	101	210855	19.47	ug/l	97
8) Diethyl Ether	3.41	74	58178	18.46	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	3.76	101	127222	20.63	ug/l #	40
10) 1,1-Dichloroethene	3.74	96	111051	19.47	ug/l	88
11) Methyl Iodide	3.95	142	151562	18.28	ug/l	93
12) Methyl Acetate	4.33	43	68790	19.43	ug/l	93
13) Acrolein	3.61	56	14457	61.96	ug/l	92
14) Acrylonitrile	5.00	53	132315	83.60	ug/l #	62
15) Acetone	3.82	58	36090	92.24	ug/l	99
16) Carbon Disulfide	4.05	76	271359	18.12	ug/l	97
17) Allyl chloride	4.33	41	124726	18.42	ug/l	78
18) Methylene Chloride	4.55	84	122368	19.19	ug/l	87
19) trans-1,2-Dichloroethene	5.05	96	120525	18.51	ug/l	86
20) Diisopropyl ether	5.95	45	268795	17.83	ug/l #	86
21) 1,1-Dichloroethane	5.85	63	200769	19.06	ug/l #	97
22) cis-1,2-Dichloroethene	6.83	96	142679	18.65	ug/l #	82
23) tert-Butyl Alcohol	4.79	59	32030	76.84	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	299210	18.21	ug/l #	91
25) Chloroform	7.37	83	233044	18.64	ug/l	98
26) Cyclohexane	7.65	56	161132	18.04	ug/l #	69
29) 1,1-Dichloropropene	7.79	75	167428	18.63	ug/l	94
30) 2-Butanone	6.84	43	150806	80.27	ug/l #	91
31) 2,2-Dichloropropane	6.82	77	199454	18.86	ug/l #	79
32) 1,1,1-Trichloroethane	7.57	97	219691	18.44	ug/l	94
33) Carbon Tetrachloride	7.77	117	198252	18.39	ug/l	90
34) Benzene	8.04	78	492961	18.54	ug/l #	67
35) Methacrylonitrile	7.18	41	31588	12.80	ug/l	78
36) 1,2-Dichloroethane	8.13	62	153971	18.07	ug/l	98
37) Trichloroethene	8.84	130	149871	18.16	ug/l	97
38) Methylcyclohexane	9.08	83	211342	18.33	ug/l	79
39) 1,2-Dichloropropane	9.12	63	116002	18.53	ug/l	99
40) Dibromomethane	9.21	93	81024	17.44	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	173210	18.05	ug/l	95
42) Vinyl Acetate	5.90	43	900104	85.11	ug/l #	89
43) Ethyl Acetate	6.93	43	67728	16.60	ug/l	97
44) Isopropyl Acetate	8.17	43	138858	17.04	ug/l	95
45) 1,4-Dioxane	9.20	88	21950	335.51	ug/l #	72
46) Methyl methacrylate	9.20	41	62757	16.70	ug/l	87
47) n-amyl Acetate	12.07	43	93216m	13.67	ug/l	
48) t-1,3-Dichloropropene	10.38	75	152798	16.32	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	182079	17.65	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	111510	17.37	ug/l	95
51) Ethyl methacrylate	10.43	69	119018	16.19	ug/l	85
52) 1,3-Dichloropropane	10.71	76	175656	17.73	ug/l	96
53) Dibromochloromethane	10.90	129	127460	16.05	ug/l	98
54) 1,2-Dibromoethane	11.01	107	112357	16.67	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	238703	75.96	ug/l #	93
56) Bromoform	12.13	173	77406	14.78	ug/l #	92
58) 4-Methyl-2-Pentanone	9.99	43	349953	89.41	ug/l #	88
59) 2-Hexanone	10.75	43	218803	82.87	ug/l #	90
61) Tetrachloroethene	10.63	164	158349	21.17	ug/l	98
62) Toluene	10.16	91	562404	19.36	ug/l	99
64) Chlorobenzene	11.43	112	351917	18.49	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	140583	19.25	ug/l	98
66) Ethyl Benzene	11.51	91	599138	18.66	ug/l	100
67) m/p-Xylenes	11.62	106	472867	36.32	ug/l	97
68) o-Xylene	11.95	106	234674	18.28	ug/l	89
69) Styrene	11.96	104	337739	17.15	ug/l	96
70) Isopropylbenzene	12.25	105	621537	18.16	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	115976	17.16	ug/l	95
72) 1,2,3-Trichloropropane	12.55	75	107721m	20.26	ug/l	
73) Bromobenzene	12.53	156	148027	17.46	ug/l	83
74) n-propylbenzene	12.59	91	655250	17.80	ug/l	95
75) 2-Chlorotoluene	12.67	91	390792	18.11	ug/l	94
76) 1,3,5-Trimethylbenzene	12.73	105	503155	17.78	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	25406	14.45	ug/l	95
78) 4-Chlorotoluene	12.77	91	360105	16.98	ug/l	91
79) tert-butylbenzene	12.99	119	469344	18.03	ug/l	95
80) 1,2,4-Trimethylbenzene	13.04	105	499033	17.64	ug/l	99
81) sec-Butylbenzene	13.17	105	599500	17.61	ug/l	98
82) p-Isopropyltoluene	13.29	119	515800	16.93	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	242269	16.20	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	222726	15.82	ug/l	98
85) n-Butylbenzene	13.62	91	368548	16.04	ug/l	94
86) Hexachloroethane	13.87	117	89186	16.98	ug/l	90
87) 1,2-Dichlorobenzene	13.65	146	244018	16.85	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	15406	15.26	ug/l #	81
89) 1,2,4-Trichlorobenzene	14.91	180	78919	15.98	ug/l	99
90) Hexachlorobutadiene	15.01	225	83649	17.92	ug/l	94
91) Naphthalene	15.13	128	146325	15.92	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	88661	13.46	ug/l	92

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

