

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
 Data File : VN052535.D
 Acq On : 28 Nov 2018 23:01
 Operator : MD\SY
 Sample : VN1128WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1128WBS02

Manual Integrations
 APPROVED

MMDadoda
 11/29/2018 9:32:51 AM

Quant Time: Nov 29 02:42:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	182050	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1064173	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	924401	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	364649	29.40	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.00%
60) 4-Bromofluorobenzene	12.40	95	414118	29.30	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.67%
63) Toluene-d8	10.09	98	1275841	29.77	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.23%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	198187	19.115	ug/l 100
3) Chloromethane	2.06	50	251104	18.261	ug/l 99
4) Vinyl Chloride	2.19	62	270719	19.506	ug/l 97
5) Bromomethane	2.58	94	159853	20.201	ug/l 99
6) Chloroethane	2.71	64	166552	20.180	ug/l 100
7) Trichlorofluoromethane	3.02	101	347521	20.290	ug/l 99
8) Diethyl Ether	3.41	74	130022	20.558	ug/l 92
9) 1,1,2-Trichlorotrifluoroet	3.76	101	211335	19.464	ug/l 97
10) 1,1-Dichloroethene	3.74	96	207593	20.334	ug/l 98
11) Methyl Iodide	3.96	142	268739	18.959	ug/l 99
12) Methyl Acetate	4.33	43	169932	19.591	ug/l 100
13) Acrolein	3.61	56	90201	88.526	ug/l 99
14) Acrylonitrile	4.99	53	359475	97.263	ug/l 98
15) Acetone	3.82	58	77627	81.101	ug/l 96
16) Carbon Disulfide	4.06	76	600569	18.581	ug/l 99
17) Allyl chloride	4.33	41	317386	17.827	ug/l 95
18) Methylene Chloride	4.56	84	235958	19.962	ug/l 96
19) trans-1,2-Dichloroethene	5.05	96	227811	20.735	ug/l 92
20) Diisopropyl ether	5.95	45	733842	19.614	ug/l 99
21) 1,1-Dichloroethane	5.85	63	424319	19.898	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	257518	20.452	ug/l 97
23) tert-Butyl Alcohol	4.78	59	62018	112.800	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	575102	21.473	ug/l 97
25) Chloroform	7.37	83	416632	20.252	ug/l 100
26) Cyclohexane	7.65	56	387591	19.271	ug/l # 96
29) 1,1-Dichloropropene	7.79	75	320556	19.725	ug/l 99
30) 2-Butanone	6.84	43	395480	90.946	ug/l 98
31) 2,2-Dichloropropane	6.83	77	272048	18.184	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	341868	20.217	ug/l 98
33) Carbon Tetrachloride	7.78	117	292056	19.739	ug/l 99
34) Benzene	8.04	78	973525	19.925	ug/l 98
35) Methacrylonitrile	7.17	41	105412	19.538	ug/l 96
36) 1,2-Dichloroethane	8.12	62	295690	19.971	ug/l 99
37) Trichloroethene	8.84	130	252345	20.367	ug/l 95
38) Methylcyclohexane	9.08	83	379812	18.880	ug/l 97
39) 1,2-Dichloropropane	9.12	63	254994	19.470	ug/l 99
40) Dibromomethane	9.21	93	143878	20.329	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	304783	19.491	ug/l	99
42) Vinyl Acetate	5.90	43	2284964	97.116	ug/l	98
43) Ethyl Acetate	6.93	43	189002	20.440	ug/l #	70
44) Isopropyl Acetate	8.16	43	336808	20.769	ug/l #	80
45) 1,4-Dioxane	9.20	88	39610	446.479	ug/l	92
46) Methyl methacrylate	9.20	41	167283	19.867	ug/l	100
47) n-amyl Acetate	12.07	43	257617	19.160	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	288112	19.002	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	353857	19.156	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	204739	20.408	ug/l	99
51) Ethyl methacrylate	10.43	69	258965	20.552	ug/l	95
52) 1,3-Dichloropropane	10.71	76	356535	19.966	ug/l	100
53) Dibromochloromethane	10.90	129	217729	19.712	ug/l	98
54) 1,2-Dibromoethane	11.01	107	204608	20.871	ug/l	96
55) 2-Chloroethyl vinyl ether	9.70	63	718709	97.444	ug/l	98
56) Bromoform	12.13	173	140824	19.506	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	914445	102.038	ug/l	99
59) 2-Hexanone	10.75	43	589540	96.299	ug/l	98
61) Tetrachloroethene	10.63	164	242518	21.301	ug/l	99
62) Toluene	10.16	91	1046319	20.532	ug/l	100
64) Chlorobenzene	11.43	112	634986	20.415	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	219387	20.320	ug/l	99
66) Ethyl Benzene	11.51	91	1106933	20.154	ug/l	98
67) m/p-Xylenes	11.62	106	836727	40.892	ug/l	99
68) o-Xylene	11.95	106	410832	20.686	ug/l	100
69) Styrene	11.96	104	645024	20.122	ug/l	100
70) Isopropylbenzene	12.25	105	1082644	20.489	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	239059	20.797	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	213954m	21.683	ug/l	
73) Bromobenzene	12.53	156	266849	20.880	ug/l	95
74) n-propylbenzene	12.59	91	1212739	19.698	ug/l	99
75) 2-Chlorotoluene	12.68	91	723028	20.232	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	870900	20.405	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	55468	17.795	ug/l	97
78) 4-Chlorotoluene	12.77	91	714844	20.030	ug/l	99
79) tert-butylbenzene	12.99	119	764872	20.578	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	877811	20.554	ug/l	100
81) sec-Butylbenzene	13.17	105	1031919	19.932	ug/l	100
82) p-Isopropyltoluene	13.29	119	873219	19.808	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	452739	20.142	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	436701	20.109	ug/l	99
85) n-Butylbenzene	13.62	91	700145	18.489	ug/l	99
86) Hexachloroethane	13.88	117	140327	18.786	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	435381	20.355	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	33464	20.784	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	206900	19.633	ug/l	99
90) Hexachlorobutadiene	15.01	225	135096	19.542	ug/l	99
91) Naphthalene	15.13	128	433250	20.359	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	196530	20.237	ug/l	99

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

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