

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\
 Data File : VN052817.D
 Acq On : 12 Dec 2018 10:35
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 1:29:15 PM

Quant Time: Dec 13 03:52:36 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	150757	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	888972	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	784794	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	302181	29.42	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.07%
60) 4-Bromofluorobenzene	12.40	95	364198	30.35	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.17%
63) Toluene-d8	10.09	98	1061799	29.18	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	147031	17.124	ug/l 99
3) Chloromethane	2.06	50	185866	16.323	ug/l 99
4) Vinyl Chloride	2.19	62	194014	16.881	ug/l 96
5) Bromomethane	2.58	94	125558	19.160	ug/l 100
6) Chloroethane	2.71	64	119979	17.555	ug/l 99
7) Trichlorofluoromethane	3.03	101	259149	18.271	ug/l 99
8) Diethyl Ether	3.41	74	96052	18.340	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	168153	18.701	ug/l 97
10) 1,1-Dichloroethene	3.74	96	154932	18.326	ug/l 96
11) Methyl Iodide	3.96	142	196753	16.762	ug/l 99
12) Methyl Acetate	4.33	43	139105	19.365	ug/l 97
13) Acrolein	3.61	56	55772	66.098	ug/l 98
14) Acrylonitrile	4.99	53	288874	94.384	ug/l 98
15) Acetone	3.82	58	78298	98.782	ug/l 99
16) Carbon Disulfide	4.06	76	441655	16.501	ug/l 100
17) Allyl chloride	4.33	41	236311	16.028	ug/l 98
18) Methylene Chloride	4.55	84	180598	18.450	ug/l 96
19) trans-1,2-Dichloroethene	5.05	96	167001	18.356	ug/l 93
20) Diisopropyl ether	5.95	45	557920	18.007	ug/l 97
21) 1,1-Dichloroethane	5.85	63	322215	18.246	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	193023	18.512	ug/l 98
23) tert-Butyl Alcohol	4.77	59	50554	111.035	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	431088	19.437	ug/l 97
25) Chloroform	7.37	83	315173	18.500	ug/l 100
26) Cyclohexane	7.65	56	289932	17.408	ug/l # 98
29) 1,1-Dichloropropene	7.80	75	242682	17.877	ug/l 99
30) 2-Butanone	6.83	43	343794	94.642	ug/l 100
31) 2,2-Dichloropropane	6.83	77	237471	19.001	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	257722	18.245	ug/l 97
33) Carbon Tetrachloride	7.78	117	226129	18.296	ug/l 100
34) Benzene	8.04	78	724631	17.754	ug/l 99
35) Methacrylonitrile	7.17	41	76141	16.894	ug/l 98
36) 1,2-Dichloroethane	8.13	62	222220	17.967	ug/l 99
37) Trichloroethene	8.84	130	196002	18.938	ug/l 95
38) Methylcyclohexane	9.08	83	299548	17.825	ug/l 97
39) 1,2-Dichloropropane	9.12	63	194940	17.818	ug/l 97
40) Dibromomethane	9.21	93	109503	18.521	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	234544	17.955	ug/l	98
42) Vinyl Acetate	5.90	43	1697831	86.383	ug/l	99
43) Ethyl Acetate	6.93	43	143180	18.536	ug/l #	69
44) Isopropyl Acetate	8.17	43	268287m	19.804	ug/l	
45) 1,4-Dioxane	9.20	88	30615	413.099	ug/l	94
46) Methyl methacrylate	9.20	41	133196	18.937	ug/l	97
47) n-amyl Acetate	12.07	43	224768	20.011	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	233387	18.427	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	277588	17.989	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	158078	18.862	ug/l	98
51) Ethyl methacrylate	10.43	69	203579	19.341	ug/l	95
52) 1,3-Dichloropropane	10.71	76	274598	18.408	ug/l	99
53) Dibromochloromethane	10.90	129	175599	19.031	ug/l	100
54) 1,2-Dibromoethane	11.01	107	157297	19.207	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	642005	104.200	ug/l	98
56) Bromoform	12.13	173	114580	18.998	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	734352	96.519	ug/l	99
59) 2-Hexanone	10.75	43	516649	99.406	ug/l	99
61) Tetrachloroethene	10.63	164	207952	21.514	ug/l	97
62) Toluene	10.16	91	782788	18.094	ug/l	100
64) Chlorobenzene	11.43	112	492861	18.664	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	175090	19.102	ug/l	99
66) Ethyl Benzene	11.51	91	850000	18.229	ug/l	99
67) m/p-Xylenes	11.62	106	647365	37.266	ug/l	99
68) o-Xylene	11.95	106	317082	18.806	ug/l	98
69) Styrene	11.96	104	507981	18.666	ug/l	100
70) Isopropylbenzene	12.25	105	839004	18.702	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	184079	18.863	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	169445m	20.227	ug/l	
73) Bromobenzene	12.53	156	212601	19.595	ug/l	94
74) n-propylbenzene	12.59	91	968490	18.529	ug/l	99
75) 2-Chlorotoluene	12.68	91	572144	18.858	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	684873	18.901	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	48814	18.446	ug/l	98
78) 4-Chlorotoluene	12.77	91	569316	18.790	ug/l	99
79) tert-butylbenzene	12.99	119	608973	19.298	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	688603	18.992	ug/l	99
81) sec-Butylbenzene	13.17	105	835011	18.998	ug/l	100
82) p-Isopropyltoluene	13.29	119	717586	19.173	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	377592	19.787	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	369430	20.038	ug/l	98
85) n-Butylbenzene	13.62	91	591164	18.388	ug/l	99
86) Hexachloroethane	13.88	117	114726	18.091	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	361627	19.914	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	27457	20.086	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	204154	22.819	ug/l	99
90) Hexachlorobutadiene	15.01	225	126842	21.612	ug/l	99
91) Naphthalene	15.13	128	420314	23.264	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	190125	23.060	ug/l	98

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

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