

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042219\
 Data File : VN055175.D
 Acq On : 22 Apr 2019 11:54
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 1:46:54 PM

Quant Time: Apr 23 05:17:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 04:56:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	408543	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	682932	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	571538	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	156782	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	5090	0.968	ug/l	97
3) Chloromethane	2.06	50	6969	1.081	ug/l	97
4) Vinyl Chloride	2.19	62	5973	1.156	ug/l	91
5) Bromomethane	2.56	94	3903	1.303	ug/l	90
6) Chloroethane	2.70	64	3113	1.115	ug/l	95
7) Trichlorofluoromethane	3.02	101	7791	1.108	ug/l	86
8) Diethyl Ether	3.42	74	2610	1.040	ug/l	64
9) 1,1,2-Trichlorotrifluoroet	3.75	101	4930	1.124	ug/l #	83
12) 1,1-Dichloroethene	3.74	96	4649	1.106	ug/l	90
14) Allyl chloride	4.33	41	8182	0.985	ug/l	92
15) Acrylonitrile	5.00	53	9814m	5.543	ug/l	
16) Acetone	3.83	43	9446m	5.167	ug/l	
17) Carbon Disulfide	4.05	76	15364m	1.307	ug/l	
18) Methyl Acetate	4.34	43	8500	1.685	ug/l #	80
19) Methyl tert-butyl Ether	5.05	73	12716m	1.094	ug/l	
20) Methylene Chloride	4.55	84	6588	1.254	ug/l	89
21) trans-1,2-Dichloroethene	5.05	96	5617	1.274	ug/l #	68
22) Diisopropyl ether	5.95	45	17986	1.086	ug/l #	76
23) Vinyl Acetate	5.90	43	54227	4.872	ug/l #	94
24) 1,1-Dichloroethane	5.85	63	9540	1.071	ug/l #	94
25) 2-Butanone	6.85	43	11423	4.840	ug/l #	89
26) 2,2-Dichloropropane	6.82	77	6008m	0.997	ug/l	
27) cis-1,2-Dichloroethene	6.83	96	5038	0.992	ug/l	82
28) Bromochloromethane	7.19	49	4753	1.047	ug/l #	98
29) Tetrahydrofuran	7.22	42	8818	5.945	ug/l	96
30) Chloroform	7.37	83	8604	1.015	ug/l	96
31) Cyclohexane	7.66	56	17112	1.673	ug/l #	17
32) 1,1,1-Trichloroethane	7.58	97	7295	1.072	ug/l #	51
36) 1,1-Dichloropropene	7.80	75	6335	0.999	ug/l	98
37) Ethyl Acetate	6.93	43	5656m	1.068	ug/l	
38) Carbon Tetrachloride	7.77	117	7315	1.155	ug/l #	81
39) Methylcyclohexane	9.08	83	7983	1.056	ug/l	92
40) Benzene	8.04	78	19342	0.989	ug/l	95
41) Methacrylonitrile	7.19	41	3728	1.428	ug/l #	28

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.12	62	7175	1.051	ug/l	87
43) Isopropyl Acetate	8.17	43	6909	0.834	ug/l	94
44) Trichloroethene	8.84	130	5465	1.105	ug/l	87
45) 1,2-Dichloropropane	9.12	63	5580	1.010	ug/l	95
46) Dibromomethane	9.21	93	3003	0.950	ug/l	94
47) Bromodichloromethane	9.40	83	6505	1.028	ug/l #	92
48) Methyl methacrylate	9.20	41	4655	1.158	ug/l	93
49) 1,4-Dioxane	9.20	88	610	13.146	ug/l #	40
51) 4-Methyl-2-Pentanone	9.99	43	24940	5.232	ug/l	94
52) Toluene	10.16	92	10959	0.955	ug/l	93
53) t-1,3-Dichloropropene	10.38	75	5396	0.929	ug/l #	88
54) cis-1,3-Dichloropropene	9.84	75	6882	0.955	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	4758	1.125	ug/l	95
56) Ethyl methacrylate	10.43	69	4915	0.933	ug/l #	80
57) 1,3-Dichloropropane	10.71	76	7479	1.016	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	7847	4.620	ug/l	99
59) 2-Hexanone	10.75	43	15203	5.049	ug/l	100
60) Dibromochloromethane	10.90	129	4240	0.973	ug/l	93
61) 1,2-Dibromoethane	11.01	107	4189	1.054	ug/l	94
64) Tetrachloroethene	10.63	164	5237	1.123	ug/l	96
65) Chlorobenzene	11.43	112	12082	1.036	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.51	131	4422	1.023	ug/l #	65
67) Ethyl Benzene	11.51	91	21245	1.022	ug/l	95
68) m/p-Xylenes	11.62	106	15448	2.073	ug/l	94
69) o-Xylene	11.94	106	7272	0.983	ug/l	97
70) Styrene	11.97	104	10981	0.958	ug/l	96
71) Bromoform	12.12	173	2357	0.914	ug/l #	95
73) Isopropylbenzene	12.25	105	19614	1.303	ug/l	99
74) N-amyl acetate	12.07	43	6136	1.518	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.50	83	5585	1.402	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	4608m	1.568	ug/l	
77) Bromobenzene	12.53	156	4382	1.266	ug/l	95
78) n-propylbenzene	12.59	91	19462	1.238	ug/l	99
79) 2-Chlorotoluene	12.67	91	12188	1.228	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	15239	1.298	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	944	1.125	ug/l #	49
82) 4-Chlorotoluene	12.77	91	11270	1.234	ug/l	100
83) tert-Butylbenzene	12.99	119	12872	1.226	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	13036	1.177	ug/l	90
85) sec-Butylbenzene	13.17	105	16234	1.223	ug/l	95
86) p-Isopropyltoluene	13.29	119	13471	1.231	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	6672	1.256	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	6317	1.221	ug/l	91
89) n-Butylbenzene	13.61	91	9917	1.223	ug/l	93
90) Hexachloroethane	13.87	117	2702	1.393	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	6756	1.238	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	628	1.319	ug/l	84
93) 1,2,4-Trichlorobenzene	14.91	180	2912	1.511	ug/l	91
94) Hexachlorobutadiene	15.00	225	3212	1.645	ug/l	98
95) Naphthalene	15.13	128	7022	1.725	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.31	180	3390	1.691	ug/l	95

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

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