

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042219\
 Data File : VN055178.D
 Acq On : 22 Apr 2019 13:13
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 1:47:06 PM

Quant Time: Apr 23 05:43:13 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	7.67	168	402284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	660763	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	539497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141635	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	4367	0.843 ug/l	92
3) Chloromethane	2.06	50	6159	0.970 ug/l #	84
4) Vinyl Chloride	2.19	62	4736	0.931 ug/l #	87
5) Bromomethane	2.56	94	3517	1.192 ug/l	89
6) Chloroethane	2.70	64	2298	0.836 ug/l #	85
7) Trichlorofluoromethane	3.02	101	6300	0.910 ug/l	99
8) Diethyl Ether	3.41	74	2239m	0.906 ug/l	
9) 1,1,2-Trichlorotrifluoroet	3.76	101	4613	1.068 ug/l #	65
12) 1,1-Dichloroethene	3.74	96	4090	0.988 ug/l	95
14) Allyl chloride	4.32	41	7718	0.943 ug/l #	83
15) Acrylonitrile	5.00	53	8035	4.609 ug/l #	73
16) Acetone	3.82	43	9090	5.050 ug/l	92
17) Carbon Disulfide	4.06	76	11090	0.958 ug/l #	94
18) Methyl Acetate	4.33	43	8151m	1.641 ug/l	
19) Methyl tert-butyl Ether	5.05	73	11275	0.985 ug/l	97
20) Methylene Chloride	4.56	84	6229	1.204 ug/l	94
21) trans-1,2-Dichloroethene	5.04	96	4036m	0.930 ug/l	
22) Diisopropyl ether	5.96	45	15886	0.974 ug/l #	95
23) Vinyl Acetate	5.90	43	46802	4.270 ug/l	99
24) 1,1-Dichloroethane	5.85	63	8911	1.016 ug/l #	95
25) 2-Butanone	6.85	43	11550	4.970 ug/l	98
26) 2,2-Dichloropropane	6.82	77	6289m	1.059 ug/l	
27) cis-1,2-Dichloroethene	6.84	96	5031	1.006 ug/l	98
28) Bromochloromethane	7.19	49	4718m	1.055 ug/l	
29) Tetrahydrofuran	7.21	42	7158m	4.901 ug/l	
30) Chloroform	7.38	83	8527	1.022 ug/l	96
31) Cyclohexane	7.66	56	16670	1.655 ug/l #	43
32) 1,1,1-Trichloroethane	7.57	97	6487	0.968 ug/l #	53
36) 1,1-Dichloropropene	7.79	75	5032	0.820 ug/l	90
37) Ethyl Acetate	6.94	43	5443m	1.062 ug/l	
38) Carbon Tetrachloride	7.77	117	4859m	0.793 ug/l	
39) Methylcyclohexane	9.08	83	7512	1.027 ug/l	86
40) Benzene	8.05	78	17836	0.942 ug/l	92
41) Methacrylonitrile	7.19	41	2896m	1.146 ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 1,2-Dichloroethane	8.13	62	6560	0.993	ug/l	84
43) Isopropyl Acetate	8.17	43	6367	0.794	ug/l	95
44) Trichloroethene	8.83	130	4636	0.969	ug/l	84
45) 1,2-Dichloropropane	9.12	63	5218	0.976	ug/l	91
46) Dibromomethane	9.21	93	3125	1.022	ug/l	90
47) Bromodichloromethane	9.40	83	5482	0.895	ug/l	88
48) Methyl methacrylate	9.20	41	4330	1.114	ug/l	87
49) 1,4-Dioxane	9.21	88	823	18.331	ug/l #	71
51) 4-Methyl-2-Pentanone	9.99	43	22698	4.922	ug/l	97
52) Toluene	10.16	92	10119	0.912	ug/l	93
53) t-1,3-Dichloropropene	10.39	75	5007	0.891	ug/l	95
54) cis-1,3-Dichloropropene	9.84	75	6358	0.912	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	4108	1.004	ug/l	88
56) Ethyl methacrylate	10.43	69	4580	0.899	ug/l	89
57) 1,3-Dichloropropane	10.71	76	6841	0.961	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	6458	3.930	ug/l	100
59) 2-Hexanone	10.75	43	13735	4.715	ug/l	96
60) Dibromochloromethane	10.90	129	3693	0.876	ug/l	99
61) 1,2-Dibromoethane	11.01	107	3609	0.938	ug/l	98
64) Tetrachloroethene	10.63	164	4188	0.952	ug/l	85
65) Chlorobenzene	11.43	112	11670	1.060	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	3919	0.960	ug/l #	65
67) Ethyl Benzene	11.51	91	18490	0.943	ug/l	99
68) m/p-Xylenes	11.62	106	13019	1.851	ug/l	98
69) o-Xylene	11.95	106	6297	0.902	ug/l	88
70) Styrene	11.96	104	8578	0.793	ug/l	93
71) Bromoform	12.13	173	2213	0.909	ug/l #	97
73) Isopropylbenzene	12.25	105	16793	1.235	ug/l	99
74) N-amyl acetate	12.07	43	3861	1.057	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	5043	1.402	ug/l #	95
76) 1,2,3-Trichloropropane	12.55	75	3295m	1.241	ug/l	
77) Bromobenzene	12.53	156	3580	1.145	ug/l	90
78) n-propylbenzene	12.59	91	15442	1.087	ug/l	98
79) 2-Chlorotoluene	12.67	91	10448	1.165	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	11404	1.076	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.30	75	940	1.240	ug/l #	92
82) 4-Chlorotoluene	12.77	91	9002	1.091	ug/l	93
83) tert-Butylbenzene	12.99	119	11616	1.225	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	10507	1.050	ug/l	95
85) sec-Butylbenzene	13.17	105	14747	1.229	ug/l	99
86) p-Isopropyltoluene	13.29	119	10562	1.069	ug/l	95
87) 1,3-Dichlorobenzene	13.28	146	4900	1.021	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	5328m	1.140	ug/l	
89) n-Butylbenzene	13.62	91	7327	1.000	ug/l	95
90) Hexachloroethane	13.87	117	2163	1.234	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	5506	1.117	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	505	1.174	ug/l	69
93) 1,2,4-Trichlorobenzene	14.91	180	1790	1.028	ug/l	83
94) Hexachlorobutadiene	15.01	225	2538	1.438	ug/l	92
95) Naphthalene	15.14	128	3778	1.028	ug/l #	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.32	180	1952	1.078	ug/l	83

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

