

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022519\
 Data File : VN053922.D
 Acq On : 25 Feb 2019 11:01
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 2/28/2019 10:47:50 AM

Quant Time: Feb 28 03:33:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 02:58:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	676627	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1102078	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	923985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	338253	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	6605	1.061	ug/l	100
3) Chloromethane	2.06	50	9068	1.050	ug/l	98
4) Vinyl Chloride	2.19	62	8986	1.038	ug/l #	87
5) Bromomethane	2.58	94	6348	1.108	ug/l	98
6) Chloroethane	2.71	64	6455	1.199	ug/l	92
7) Trichlorofluoromethane	3.02	101	12428	1.124	ug/l	93
8) Diethyl Ether	3.41	74	4291	1.036	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	3.77	101	7891m	1.130	ug/l	
12) 1,1-Dichloroethene	3.74	96	7217	1.080	ug/l	97
14) Allyl chloride	4.33	41	12090	1.032	ug/l	90
15) Acrylonitrile	4.99	53	12518m	4.724	ug/l	
16) Acetone	3.82	43	14957	6.431	ug/l	91
17) Carbon Disulfide	4.05	76	23985	1.113	ug/l	100
18) Methyl Acetate	4.33	43	6465	1.166	ug/l #	86
19) Methyl tert-butyl Ether	5.05	73	16612	0.927	ug/l	93
20) Methylene Chloride	4.55	84	8879	1.131	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	7457	1.032	ug/l	84
22) Diisopropyl ether	5.95	45	20020	0.886	ug/l #	86
23) Vinyl Acetate	5.90	43	68099	4.189	ug/l	99
24) 1,1-Dichloroethane	5.85	63	15007	1.083	ug/l	96
25) 2-Butanone	6.85	43	14943m	4.798	ug/l	
26) 2,2-Dichloropropane	6.82	77	10001	1.016	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	7839	0.975	ug/l	90
28) Bromochloromethane	7.19	49	6590	1.039	ug/l #	79
29) Tetrahydrofuran	7.21	42	9938m	4.792	ug/l	
30) Chloroform	7.37	83	14590	1.086	ug/l	91
31) Cyclohexane	7.66	56	23299	1.579	ug/l #	22
32) 1,1,1-Trichloroethane	7.56	97	11560m	1.043	ug/l	
36) 1,1-Dichloropropene	7.79	75	9456	0.923	ug/l	95
37) Ethyl Acetate	6.93	43	8777m	1.199	ug/l	
38) Carbon Tetrachloride	7.77	117	13768m	1.292	ug/l	
39) Methylcyclohexane	9.08	83	12678	1.026	ug/l	92
40) Benzene	8.04	78	32564	1.034	ug/l	99
41) Methacrylonitrile	7.20	41	4515m	0.958	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.12	62	9983	1.024	ug/l	97
43) Isopropyl Acetate	8.16	43	12064	0.976	ug/l #	72
44) Trichloroethene	8.83	130	9036	1.083	ug/l	96
45) 1,2-Dichloropropane	9.12	63	9013	1.061	ug/l	95
46) Dibromomethane	9.21	93	4996	1.013	ug/l	91
47) Bromodichloromethane	9.40	83	10738	1.033	ug/l	89
48) Methyl methacrylate	9.20	41	4989	0.878	ug/l #	91
49) 1,4-Dioxane	9.20	88	1388	18.031	ug/l #	79
51) 4-Methyl-2-Pentanone	9.99	43	26703	4.206	ug/l	97
52) Toluene	10.15	92	17923	0.967	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	8688	0.859	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	10966	0.920	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	6922	1.000	ug/l	99
56) Ethyl methacrylate	10.43	69	6257	0.772	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	11365	0.971	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	10695	2.990	ug/l	98
59) 2-Hexanone	10.75	43	17476	4.232	ug/l	91
60) Dibromochloromethane	10.90	129	7868	1.023	ug/l	98
61) 1,2-Dibromoethane	11.00	107	6604	0.989	ug/l	92
64) Tetrachloroethene	10.63	164	8859	1.132	ug/l #	80
65) Chlorobenzene	11.43	112	20876	1.071	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	7304	1.039	ug/l #	59
67) Ethyl Benzene	11.51	91	31827	0.974	ug/l	97
68) m/p-Xylenes	11.62	106	23769	1.926	ug/l	97
69) o-Xylene	11.95	106	12040	0.993	ug/l	92
70) Styrene	11.96	104	15251	0.818	ug/l	97
71) Bromoform	12.13	173	4594	0.940	ug/l #	92
73) Isopropylbenzene	12.25	105	29209	1.109	ug/l	100
74) N-amyl acetate	12.07	43	6004	0.870	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.50	83	7579	1.151	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	6624m	1.221	ug/l	
77) Bromobenzene	12.53	156	7434	1.112	ug/l	87
78) n-propylbenzene	12.59	91	31335	1.046	ug/l	100
79) 2-Chlorotoluene	12.67	91	19758	1.098	ug/l	93
80) 1,3,5-Trimethylbenzene	12.73	105	21830	1.013	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	1701	0.991	ug/l	88
82) 4-Chlorotoluene	12.77	91	17795	1.001	ug/l	96
83) tert-Butylbenzene	12.99	119	19568	1.026	ug/l	91
84) 1,2,4-Trimethylbenzene	13.04	105	20693	0.962	ug/l	99
85) sec-Butylbenzene	13.17	105	26945	1.035	ug/l	98
86) p-Isopropyltoluene	13.29	119	21722	0.987	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	11973	1.035	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	11569m	1.031	ug/l	
89) n-Butylbenzene	13.62	91	16963	0.914	ug/l	97
90) Hexachloroethane	13.88	117	4967	1.164	ug/l	86
91) 1,2-Dichlorobenzene	13.65	146	11778	1.052	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1033	1.110	ug/l	83
93) 1,2,4-Trichlorobenzene	14.91	180	3176	0.598	ug/l	98
94) Hexachlorobutadiene	15.01	225	4724	1.168	ug/l	94
95) Naphthalene	15.14	128	5992	0.544	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.31	180	3642	0.683	ug/l	92

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

