

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\
 Data File : VN050381.D
 Acq On : 6 Aug 2018 14:04
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN080618

Manual Integrations
 APPROVED

MMDadoda
 8/7/2018 9:58:32 AM

Quant Time: Aug 07 05:56:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	723962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1048873	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	975470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	544604	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	443117	45.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.62%	
35) Dibromofluoromethane	7.59	113	397641	47.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.50%	
50) Toluene-d8	10.09	98	1537226	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
62) 4-Bromofluorobenzene	12.40	95	539376	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	392981	48.90	ug/l	99
3) Chloromethane	2.06	50	495352	52.23	ug/l	100
4) Vinyl Chloride	2.18	62	501448	48.21	ug/l	98
5) Bromomethane	2.53	94	212240	42.11	ug/l	99
6) Chloroethane	2.68	64	300630	46.90	ug/l	97
7) Trichlorofluoromethane	3.00	101	635898	47.33	ug/l	99
8) Diethyl Ether	3.41	74	237497	48.21	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	395017	47.58	ug/l	99
10) Methyl Iodide	3.94	142	224757	61.44	ug/l	98
11) Tert butyl alcohol	4.80	59	165979	213.60	ug/l	99
12) 1,1-Dichloroethene	3.73	96	371839	47.51	ug/l	98
13) Acrolein	3.60	56	241328	239.38	ug/l	97
14) Allyl chloride	4.32	41	607621	48.34	ug/l	98
15) Acrylonitrile	4.99	53	752237	231.11	ug/l	99
16) Acetone	3.82	43	628399	217.80	ug/l	100
17) Carbon Disulfide	4.05	76	1151120	45.23	ug/l	100
18) Methyl Acetate	4.33	43	347252	46.31	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1081629	48.69	ug/l	99
20) Methylene Chloride	4.55	84	433193	49.08	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	397868	46.98	ug/l	100
22) Diisopropyl ether	5.95	45	1271860	49.53	ug/l	100
23) Vinyl Acetate	5.90	43	4473093	244.17	ug/l	100
24) 1,1-Dichloroethane	5.84	63	735166	46.66	ug/l	100
25) 2-Butanone	6.84	43	1076536	224.60	ug/l	98
26) 2,2-Dichloropropane	6.82	77	607411	46.77	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	450785	48.02	ug/l	100
28) Bromochloromethane	7.19	49	358332	49.41	ug/l	100
29) Tetrahydrofuran	7.21	42	574198	223.81	ug/l	99
30) Chloroform	7.37	83	740421	47.01	ug/l	100
31) Cyclohexane	7.65	56	682021	49.17	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	644186	47.62	ug/l	99
36) 1,1-Dichloropropene	7.79	75	579685	50.30	ug/l	99
37) Ethyl Acetate	6.93	43	395310	47.63	ug/l	100
38) Carbon Tetrachloride	7.77	117	568663	47.30	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	667509	53.06	ug/l	97
40) Benzene	8.04	78	1731427	48.87	ug/l	100
41) Methacrylonitrile	7.17	41	209540	47.48	ug/l #	82
42) 1,2-Dichloroethane	8.12	62	540281	48.03	ug/l	99
43) Isopropyl Acetate	8.17	43	671306	46.86	ug/l #	86
44) Trichloroethene	8.83	130	460916	48.41	ug/l	100
45) 1,2-Dichloropropane	9.12	63	446908	47.98	ug/l	98
46) Dibromomethane	9.21	93	274761	47.77	ug/l	99
47) Bromodichloromethane	9.40	83	569757	47.82	ug/l	100
48) Methyl methacrylate	9.20	41	346678	48.28	ug/l	99
49) 1,4-Dioxane	9.20	88	98414	889.14	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	2395524	232.17	ug/l	99
52) Toluene	10.16	92	1079051	50.70	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	607060	50.75	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	682210	51.10	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	394928	47.53	ug/l	98
56) Ethyl methacrylate	10.43	69	533919	45.57	ug/l	99
57) 1,3-Dichloropropane	10.71	76	669883	49.12	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1272880	232.78	ug/l	99
59) 2-Hexanone	10.75	43	1673934	232.47	ug/l	98
60) Dibromochloromethane	10.90	129	442224	48.31	ug/l	98
61) 1,2-Dibromoethane	11.01	107	403294	49.24	ug/l	100
64) Tetrachloroethene	10.63	164	462491	50.74	ug/l	98
65) Chlorobenzene	11.43	112	1193536	48.80	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	431673	48.50	ug/l	99
67) Ethyl Benzene	11.51	91	2073792	52.46	ug/l	99
68) m/p-Xylenes	11.62	106	1617835	107.50	ug/l	99
69) o-Xylene	11.95	106	780497	53.84	ug/l	97
70) Styrene	11.96	104	1275195	54.09	ug/l	100
71) Bromoform	12.13	173	315571	48.51	ug/l #	98
73) Isopropylbenzene	12.25	105	2063854	50.48	ug/l	100
74) N-amyl acetate	12.07	43	610494	46.07	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	520448	44.13	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	430187m	43.64	ug/l	
77) Bromobenzene	12.53	156	534163	48.77	ug/l	99
78) n-propylbenzene	12.59	91	2405042	51.97	ug/l	100
79) 2-Chlorotoluene	12.68	91	1422526	49.77	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1747544	52.66	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	137361	48.96	ug/l	98
82) 4-Chlorotoluene	12.77	91	1475747	51.78	ug/l	100
83) tert-Butylbenzene	12.99	119	1497354	51.72	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1794444	53.38	ug/l	99
85) sec-Butylbenzene	13.17	105	2003366	51.92	ug/l	100
86) p-Isopropyltoluene	13.29	119	1779449	53.81	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	975380	50.00	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	962716	49.42	ug/l	100
89) n-Butylbenzene	13.62	91	1505294	53.47	ug/l	99
90) Hexachloroethane	13.88	117	270974	46.08	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	952010	48.69	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	82747	41.32	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	526480	52.86	ug/l	99
94) Hexachlorobutadiene	15.01	225	303724	56.03	ug/l	99
95) Naphthalene	15.14	128	1145261	43.91	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	483121	47.98	ug/l	99

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

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