

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
 Data File : VN055004.D
 Acq On : 12 Apr 2019 17:25
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041319

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 1:58:24 PM

Quant Time: Apr 13 03:48:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 03:34:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	454109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	714028	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	634498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	279747	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	282921	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
35) Dibromofluoromethane	7.59	113	226731	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
50) Toluene-d8	10.09	98	845248	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
62) 4-Bromofluorobenzene	12.40	95	290974	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	248602	49.632	ug/l	100
3) Chloromethane	2.06	50	328217	48.863	ug/l	98
4) Vinyl Chloride	2.19	62	263440	48.332	ug/l	99
5) Bromomethane	2.56	94	154771	49.051	ug/l	96
6) Chloroethane	2.70	64	142489	47.403	ug/l	99
7) Trichlorofluoromethane	3.02	101	330114	48.282	ug/l	99
8) Diethyl Ether	3.41	74	106771	49.656	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	172361	48.334	ug/l	99
10) Methyl Iodide	3.94	142	238256	46.326	ug/l	99
11) Tert butyl alcohol	4.83	59	98752	281.607	ug/l	100
12) 1,1-Dichloroethene	3.73	96	164729	46.918	ug/l	98
13) Acrolein	3.61	56	103140	243.669	ug/l	98
14) Allyl chloride	4.31	41	437141	50.957	ug/l	99
15) Acrylonitrile	5.00	53	505382	261.293	ug/l	99
16) Acetone	3.82	43	403580	257.792	ug/l	99
17) Carbon Disulfide	4.04	76	552035	48.273	ug/l	100
18) Methyl Acetate	4.33	43	233835	48.185	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	649852	51.804	ug/l	100
20) Methylene Chloride	4.54	84	253685	49.923	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	230588	49.854	ug/l	94
22) Diisopropyl ether	5.96	45	883285	50.783	ug/l	98
23) Vinyl Acetate	5.90	43	3283650	269.917	ug/l	100
24) 1,1-Dichloroethane	5.85	63	455656	48.505	ug/l	99
25) 2-Butanone	6.85	43	666304	276.343	ug/l	99
26) 2,2-Dichloropropane	6.82	77	316818	50.977	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	263802	49.096	ug/l	98
28) Bromochloromethane	7.19	49	218593	49.045	ug/l	100
29) Tetrahydrofuran	7.22	42	413672	261.717	ug/l	98
30) Chloroform	7.37	83	437453	48.834	ug/l	99
31) Cyclohexane	7.65	56	433392	49.913	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	355397	49.801	ug/l	100
36) 1,1-Dichloropropene	7.79	75	332604	50.402	ug/l	99
37) Ethyl Acetate	6.94	43	277102	55.935	ug/l	99
38) Carbon Tetrachloride	7.77	117	305834	49.235	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	380134	50.317	ug/l	99
40) Benzene	8.04	78	998536	50.049	ug/l	100
41) Methacrylonitrile	7.18	41	161050	52.832	ug/l	95
42) 1,2-Dichloroethane	8.12	62	342800	48.843	ug/l	100
43) Isopropyl Acetate	8.17	43	462447	54.592	ug/l	99
44) Trichloroethene	8.83	130	253183	49.657	ug/l	99
45) 1,2-Dichloropropane	9.12	63	276873	49.177	ug/l	99
46) Dibromomethane	9.21	93	158337	49.081	ug/l	97
47) Bromodichloromethane	9.40	83	332254	50.645	ug/l	100
48) Methyl methacrylate	9.20	41	227489	52.131	ug/l	98
49) 1,4-Dioxane	9.20	88	52638	1121.629	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1330106	268.169	ug/l	99
52) Toluene	10.16	92	591238	50.108	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	323334	54.429	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	388563	53.099	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	220272	50.114	ug/l	98
56) Ethyl methacrylate	10.43	69	311651	55.102	ug/l	98
57) 1,3-Dichloropropane	10.71	76	392630	51.781	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	611538	241.313	ug/l	99
59) 2-Hexanone	10.75	43	876800	282.889	ug/l	99
60) Dibromochloromethane	10.90	129	235855	53.907	ug/l	100
61) 1,2-Dibromoethane	11.00	107	216979	51.559	ug/l	99
64) Tetrachloroethene	10.63	164	235184	47.386	ug/l	98
65) Chlorobenzene	11.43	112	622155	50.854	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	233276	51.740	ug/l	99
67) Ethyl Benzene	11.51	91	1128231	50.204	ug/l	100
68) m/p-Xylenes	11.62	106	836983	101.798	ug/l	100
69) o-Xylene	11.95	106	402184	49.438	ug/l	98
70) Styrene	11.96	104	683980	53.026	ug/l	99
71) Bromoform	12.13	173	151388	49.022	ug/l	98
73) Isopropylbenzene	12.25	105	1090285	45.839	ug/l	100
74) N-amyl acetate	12.07	43	381918	53.273	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	288158	46.794	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	251694m	48.905	ug/l	
77) Bromobenzene	12.53	156	267218	50.110	ug/l	98
78) n-propylbenzene	12.59	91	1222166	47.163	ug/l	100
79) 2-Chlorotoluene	12.67	91	735754	45.960	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	901291	46.548	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	65962	52.900	ug/l	95
82) 4-Chlorotoluene	12.77	91	729638	47.128	ug/l	98
83) tert-Butylbenzene	12.99	119	763732	46.042	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	894406	48.173	ug/l	99
85) sec-Butylbenzene	13.17	105	1006822	47.539	ug/l	99
86) p-Isopropyltoluene	13.29	119	888069	48.207	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	457520	48.150	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	445385	49.009	ug/l	99
89) n-Butylbenzene	13.61	91	745190	51.506	ug/l	100
90) Hexachloroethane	13.87	117	144098	47.338	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	453875	49.204	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	42786	53.433	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	228150	49.814	ug/l	98
94) Hexachlorobutadiene	15.01	225	150314	54.884	ug/l	97
95) Naphthalene	15.13	128	534392	49.988	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	232402	55.852	ug/l	99

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

