

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092018\
 Data File : VN051342.D
 Acq On : 20 Sep 2018 16:08
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN092018

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 2:48:14 PM

Quant Time: Sep 21 06:51:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092018W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 03:27:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	744497	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	979647	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	914043	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	500441	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	366313	45.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.80%	
35) Dibromofluoromethane	7.59	113	367145	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	
50) Toluene-d8	10.09	98	1428046	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	
62) 4-Bromofluorobenzene	12.40	95	491716	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	281784	45.292	ug/l	97
3) Chloromethane	2.06	50	361684	40.977	ug/l	98
4) Vinyl Chloride	2.18	62	407289	46.443	ug/l	99
5) Bromomethane	2.57	94	295268	48.270	ug/l	97
6) Chloroethane	2.70	64	253509	47.038	ug/l	99
7) Trichlorofluoromethane	3.01	101	589581	47.026	ug/l	99
8) Diethyl Ether	3.41	74	195111	48.639	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	361260	46.961	ug/l	100
10) Methyl Iodide	3.95	142	570327	50.094	ug/l	99
11) Tert butyl alcohol	4.79	59	101635	237.575	ug/l	99
12) 1,1-Dichloroethene	3.74	96	335192	48.132	ug/l	99
13) Acrolein	3.61	56	114658	234.170	ug/l	100
14) Allyl chloride	4.32	41	485954	49.508	ug/l	99
15) Acrylonitrile	4.99	53	517572	238.735	ug/l	99
16) Acetone	3.82	43	333535	201.212	ug/l	99
17) Carbon Disulfide	4.05	76	1002721	47.786	ug/l	100
18) Methyl Acetate	4.32	43	229094	40.220	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	859824	51.015	ug/l	99
20) Methylene Chloride	4.55	84	375716	45.297	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	364771	49.594	ug/l	98
22) Diisopropyl ether	5.95	45	979082	50.496	ug/l	99
23) Vinyl Acetate	5.90	43	3216066	256.433	ug/l	100
24) 1,1-Dichloroethane	5.85	63	630412	47.697	ug/l	99
25) 2-Butanone	6.83	43	541621	234.922	ug/l	98
26) 2,2-Dichloropropane	6.82	77	533574	48.857	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	405119	49.706	ug/l	99
28) Bromochloromethane	7.19	49	270377	49.358	ug/l	98
29) Tetrahydrofuran	7.21	42	350811	240.176	ug/l	99
30) Chloroform	7.37	83	645545	46.475	ug/l	99
31) Cyclohexane	7.65	56	573403	44.094	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	571033	47.715	ug/l	99
36) 1,1-Dichloropropene	7.79	75	506671	50.562	ug/l	100
37) Ethyl Acetate	6.93	43	250553	50.505	ug/l	98
38) Carbon Tetrachloride	7.77	117	531776	49.055	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	643786	55.049	ug/l	99
40) Benzene	8.04	78	1493034	49.449	ug/l	99
41) Methacrylonitrile	7.17	41	126853	49.084	ug/l	96
42) 1,2-Dichloroethane	8.12	62	434709	47.661	ug/l	99
43) Isopropyl Acetate	8.16	43	446864	51.434	ug/l	99
44) Trichloroethene	8.83	130	432096	49.853	ug/l	99
45) 1,2-Dichloropropane	9.12	63	382931	49.562	ug/l	100
46) Dibromomethane	9.21	93	231193	48.541	ug/l	100
47) Bromodichloromethane	9.40	83	498783	49.096	ug/l	98
48) Methyl methacrylate	9.20	41	225692	50.955	ug/l	98
49) 1,4-Dioxane	9.20	88	66168	1010.182	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1205518	257.955	ug/l	100
52) Toluene	10.16	92	964840	51.896	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	514073	52.702	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	593258	52.527	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	334032	47.900	ug/l	99
56) Ethyl methacrylate	10.43	69	397424	53.956	ug/l	99
57) 1,3-Dichloropropane	10.71	76	548450	49.929	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1016482	280.672	ug/l	99
59) 2-Hexanone	10.75	43	812081	257.746	ug/l	99
60) Dibromochloromethane	10.90	129	404629	49.756	ug/l	99
61) 1,2-Dibromoethane	11.01	107	333368	49.724	ug/l	99
64) Tetrachloroethene	10.63	164	398350	49.976	ug/l	97
65) Chlorobenzene	11.43	112	1105375	50.618	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	409760	49.289	ug/l	100
67) Ethyl Benzene	11.51	91	1841201	53.896	ug/l	100
68) m/p-Xylenes	11.62	106	1479957	110.269	ug/l	100
69) o-Xylene	11.95	106	707402	54.675	ug/l	99
70) Styrene	11.96	104	1138725	56.702	ug/l	99
71) Bromoform	12.13	173	286971	50.862	ug/l #	100
73) Isopropylbenzene	12.25	105	1883789	51.362	ug/l	100
74) N-amyl acetate	12.07	43	393494	50.148	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	395368	43.680	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	336341m	46.541	ug/l	
77) Bromobenzene	12.53	156	490205	48.375	ug/l	100
78) n-propylbenzene	12.59	91	2113535	52.858	ug/l	100
79) 2-Chlorotoluene	12.67	91	1238639	50.266	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1593480	53.593	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	112870	54.070	ug/l	94
82) 4-Chlorotoluene	12.77	91	1253499	52.336	ug/l	100
83) tert-Butylbenzene	12.99	119	1415663	53.194	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1596067	54.084	ug/l	99
85) sec-Butylbenzene	13.17	105	1917015	54.166	ug/l	99
86) p-Isopropyltoluene	13.29	119	1723778	55.965	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	864341	50.745	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	840192	50.885	ug/l	100
89) n-Butylbenzene	13.61	91	1367560	57.116	ug/l	99
90) Hexachloroethane	13.87	117	304894	46.222	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	818298	49.731	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	55906	46.634	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	467907	62.032	ug/l	99
94) Hexachlorobutadiene	15.01	225	331462	51.907	ug/l	99
95) Naphthalene	15.13	128	831456	62.531	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	456432	60.819	ug/l	99

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

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