

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090418\
 Data File : VN051006.D
 Acq On : 4 Sep 2018 9:37
 Operator : MD\SY
 Sample : VN0904WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/5/2018 12:00:06 PM

Quant Time: Sep 05 01:32:58 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	607970	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	861370	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	760063	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	354742	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	355315	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
35) Dibromofluoromethane	7.59	113	346181	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
50) Toluene-d8	10.09	98	1276804	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
62) 4-Bromofluorobenzene	12.40	95	395958	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	146940	18.06	ug/l	99
3) Chloromethane	2.06	50	165677	16.51	ug/l	99
4) Vinyl Chloride	2.18	62	167615	17.63	ug/l	99
5) Bromomethane	2.56	94	93480	16.59	ug/l	94
6) Chloroethane	2.70	64	99658	18.14	ug/l	99
7) Trichlorofluoromethane	3.01	101	230842	18.96	ug/l	99
8) Diethyl Ether	3.41	74	76686	18.53	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	145945	19.19	ug/l	99
10) Methyl Iodide	3.95	142	87531	17.79	ug/l	97
11) Tert butyl alcohol	4.79	59	40372	86.62	ug/l	100
12) 1,1-Dichloroethene	3.74	96	128439	18.81	ug/l	96
13) Acrolein	3.61	56	25037	103.32	ug/l	99
14) Allyl chloride	4.33	41	195978	18.42	ug/l	99
15) Acrylonitrile	4.99	53	218561	92.27	ug/l	99
16) Acetone	3.82	43	173924	96.00	ug/l	99
17) Carbon Disulfide	4.05	76	362664	15.84	ug/l	99
18) Methyl Acetate	4.33	43	150212	21.73	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	330341	19.23	ug/l	100
20) Methylene Chloride	4.55	84	146940	17.81	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	135094	18.29	ug/l	99
22) Diisopropyl ether	5.96	45	424724	20.03	ug/l	98
23) Vinyl Acetate	5.90	43	1205449	88.27	ug/l	100
24) 1,1-Dichloroethane	5.85	63	261353	19.20	ug/l	99
25) 2-Butanone	6.84	43	241709	81.95	ug/l	98
26) 2,2-Dichloropropane	6.83	77	208015	19.02	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	152184	19.11	ug/l	99
28) Bromochloromethane	7.20	49	113663	19.65	ug/l	100
29) Tetrahydrofuran	7.22	42	155972	92.23	ug/l	99
30) Chloroform	7.37	83	263636	19.56	ug/l	97
31) Cyclohexane	7.66	56	222394	18.27	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	220710	19.06	ug/l	100
36) 1,1-Dichloropropene	7.80	75	190202	18.71	ug/l	99
37) Ethyl Acetate	6.93	43	104600	17.91	ug/l	99
38) Carbon Tetrachloride	7.78	117	199908	19.46	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	198922	18.09	ug/l	98
40) Benzene	8.04	78	593405	19.36	ug/l	100
41) Methacrylonitrile	7.18	41	58445	18.50	ug/l	99
42) 1,2-Dichloroethane	8.13	62	175521	19.15	ug/l	98
43) Isopropyl Acetate	8.17	43	192050	19.13	ug/l	97
44) Trichloroethene	8.84	130	156999	19.42	ug/l	93
45) 1,2-Dichloropropane	9.12	63	157059	19.50	ug/l	99
46) Dibromomethane	9.21	93	89677	18.95	ug/l	98
47) Bromodichloromethane	9.40	83	197249	19.90	ug/l	99
48) Methyl methacrylate	9.20	41	90821	17.75	ug/l	99
49) 1,4-Dioxane	9.20	88	24656	353.50	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	524938	87.62	ug/l	99
52) Toluene	10.16	92	355892	19.60	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	178655	18.10	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	218416	19.33	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	130336	19.34	ug/l	98
56) Ethyl methacrylate	10.43	69	139428	17.51	ug/l	99
57) 1,3-Dichloropropane	10.71	76	216633	19.48	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	282740	82.52	ug/l	100
59) 2-Hexanone	10.75	43	323569	81.13	ug/l	100
60) Dibromochloromethane	10.90	129	145810	19.32	ug/l	99
61) 1,2-Dibromoethane	11.01	107	121043	18.57	ug/l	99
64) Tetrachloroethene	10.63	164	142444	19.73	ug/l	97
65) Chlorobenzene	11.43	112	385772	19.42	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	148453	20.42	ug/l	99
67) Ethyl Benzene	11.51	91	621191	19.23	ug/l	99
68) m/p-Xylenes	11.62	106	489564	39.93	ug/l	99
69) o-Xylene	11.95	106	233067	19.78	ug/l	99
70) Styrene	11.96	104	361113	18.21	ug/l	99
71) Bromoform	12.13	173	95320	19.07	ug/l #	99
73) Isopropylbenzene	12.25	105	623019	21.21	ug/l	99
74) N-amyl acetate	12.07	43	130006	17.61	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	152013	20.75	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	120294m	19.36	ug/l	
77) Bromobenzene	12.53	156	158981	19.91	ug/l	98
78) n-propylbenzene	12.59	91	681137	20.76	ug/l	100
79) 2-Chlorotoluene	12.67	91	415758	20.34	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	507948	21.43	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	32720	17.80	ug/l	94
82) 4-Chlorotoluene	12.77	91	406531	20.15	ug/l	100
83) tert-Butylbenzene	12.99	119	432626	21.08	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	503279	21.11	ug/l	99
85) sec-Butylbenzene	13.17	105	562325	20.91	ug/l	100
86) p-Isopropyltoluene	13.29	119	482527	21.05	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	262065	19.34	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	251203	18.84	ug/l	100
89) n-Butylbenzene	13.62	91	347216	18.94	ug/l	99
90) Hexachloroethane	13.87	117	91074	20.96	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	256136	19.60	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18776	17.80	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	91859	16.49	ug/l	98
94) Hexachlorobutadiene	15.01	225	83934	21.01	ug/l	100
95) Naphthalene	15.13	128	158565	15.38	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	93983	17.07	ug/l	97

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

