

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022119\
 Data File : VN053883.D
 Acq On : 21 Feb 2019 11:01
 Operator : JC/SP
 Sample : VN0221WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/22/2019 10:30:13 AM

Quant Time: Feb 22 01:02:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 21 03:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	651010	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	969494	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	843976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	389141	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	327218	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
35) Dibromofluoromethane	7.59	113	308756	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	
50) Toluene-d8	10.09	98	1151787	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.40	95	373602	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	106506	18.830	ug/l	98
3) Chloromethane	2.06	50	141128	20.071	ug/l	98
4) Vinyl Chloride	2.19	62	148271	19.644	ug/l	99
5) Bromomethane	2.57	94	111058	20.092	ug/l	99
6) Chloroethane	2.71	64	99099	20.314	ug/l	99
7) Trichlorofluoromethane	3.02	101	209643	19.559	ug/l	100
8) Diethyl Ether	3.41	74	68944	18.298	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	116644	18.057	ug/l	99
10) Methyl Iodide	3.96	142	176459	18.421	ug/l	100
11) Tert butyl alcohol	4.78	59	39358	94.762	ug/l	99
12) 1,1-Dichloroethene	3.74	96	112115	18.558	ug/l	98
13) Acrolein	3.61	56	43017	144.907	ug/l	99
14) Allyl chloride	4.33	41	173521	18.978	ug/l	99
15) Acrylonitrile	4.99	53	211071	100.878	ug/l	100
16) Acetone	3.82	43	162358	88.731	ug/l	98
17) Carbon Disulfide	4.06	76	344619	18.418	ug/l	99
18) Methyl Acetate	4.33	43	81840	18.951	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	300349	19.595	ug/l	99
20) Methylene Chloride	4.55	84	127960	18.679	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	121571	19.173	ug/l	96
22) Diisopropyl ether	5.95	45	347041	20.361	ug/l	95
23) Vinyl Acetate	5.90	43	1212830	98.982	ug/l	99
24) 1,1-Dichloroethane	5.85	63	220813	19.135	ug/l	99
25) 2-Butanone	6.84	43	225287	95.416	ug/l	96
26) 2,2-Dichloropropane	6.83	77	166065	18.964	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	138955	19.563	ug/l	99
28) Bromochloromethane	7.20	49	100806	20.015	ug/l	97
29) Tetrahydrofuran	7.21	42	151715	99.357	ug/l	99
30) Chloroform	7.37	83	222569	19.195	ug/l	97
31) Cyclohexane	7.66	56	203985	18.970	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	188223	18.972	ug/l	99
36) 1,1-Dichloropropene	7.79	75	165448	18.618	ug/l	100
37) Ethyl Acetate	6.93	43	105254	19.810	ug/l	99
38) Carbon Tetrachloride	7.77	117	171232	19.299	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	196767	19.216	ug/l	98
40) Benzene	8.04	78	511036	19.452	ug/l	99
41) Methacrylonitrile	7.17	41	49410	16.780	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	149811	19.128	ug/l	100
43) Isopropyl Acetate	8.16	43	179168	18.902	ug/l #	89
44) Trichloroethene	8.84	130	143908	19.568	ug/l	98
45) 1,2-Dichloropropane	9.12	63	132461	19.749	ug/l	98
46) Dibromomethane	9.21	93	80716	19.987	ug/l	99
47) Bromodichloromethane	9.40	83	167531	19.664	ug/l	99
48) Methyl methacrylate	9.20	41	80295	19.757	ug/l	96
49) 1,4-Dioxane	9.20	88	26170	410.983	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	470327	100.576	ug/l	100
52) Toluene	10.16	92	312202	20.054	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	160521	19.404	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	192803	19.773	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	115448	20.285	ug/l	98
56) Ethyl methacrylate	10.43	69	129870	19.334	ug/l	99
57) 1,3-Dichloropropane	10.71	76	191561	19.991	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	282971	94.579	ug/l	99
59) 2-Hexanone	10.75	43	288382	96.971	ug/l	99
60) Dibromochloromethane	10.90	129	131527	19.799	ug/l	99
61) 1,2-Dibromoethane	11.01	107	111579	19.734	ug/l	98
64) Tetrachloroethene	10.63	164	141684	18.774	ug/l	95
65) Chlorobenzene	11.43	112	341344	19.323	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	129261	20.051	ug/l	98
67) Ethyl Benzene	11.51	91	566646	19.820	ug/l	100
68) m/p-Xylenes	11.62	106	441285	39.864	ug/l	99
69) o-Xylene	11.95	106	215754	20.245	ug/l	99
70) Styrene	11.96	104	338672	20.251	ug/l	99
71) Bromoform	12.13	173	90081	19.690	ug/l #	99
73) Isopropylbenzene	12.25	105	558640	20.378	ug/l	100
74) N-amyl acetate	12.07	43	126602	20.110	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	134214	20.708	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	109043m	19.088	ug/l	
77) Bromobenzene	12.53	156	149963	20.392	ug/l	98
78) n-propylbenzene	12.59	91	637497	20.795	ug/l	100
79) 2-Chlorotoluene	12.67	91	379030	20.505	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	477396	20.979	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	33412	19.309	ug/l	99
82) 4-Chlorotoluene	12.77	91	375526	20.392	ug/l	99
83) tert-Butylbenzene	12.99	119	429180	21.004	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	483524	21.186	ug/l	100
85) sec-Butylbenzene	13.17	105	567834	20.640	ug/l	100
86) p-Isopropyltoluene	13.29	119	497704	20.845	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	255074	19.876	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	248077	19.213	ug/l	99
89) n-Butylbenzene	13.62	91	404257	20.589	ug/l	100
90) Hexachloroethane	13.87	117	91106	19.973	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	258471	20.529	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21620	22.859	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	134905	19.579	ug/l	99
94) Hexachlorobutadiene	15.01	225	104006	19.808	ug/l	99
95) Naphthalene	15.13	128	262806	20.063	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	138038	20.661	ug/l	99

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

