

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022520\
 Data File : VN060223.D
 Acq On : 25 Feb 2020 11:03
 Operator : JC/MD
 Sample : VN0225WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0225WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/26/2020 10:45:10 AM

Quant Time: Feb 25 16:03:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	180349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	280323	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	262183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	127520	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	110643	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
35) Dibromofluoromethane	7.57	113	88706	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
50) Toluene-d8	10.08	98	334428	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
62) 4-Bromofluorobenzene	12.40	95	121804	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	31208	17.312	ug/l	98
3) Chloromethane	2.04	50	36457	16.994	ug/l	99
4) Vinyl Chloride	2.17	62	40961	16.751	ug/l	99
5) Bromomethane	2.55	94	26568	17.719	ug/l	93
6) Chloroethane	2.69	64	21151	17.102	ug/l	97
7) Trichlorofluoromethane	3.00	101	55702	17.668	ug/l	100
8) Diethyl Ether	3.39	74	19691	18.763	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	31423	17.953	ug/l	98
10) Methyl Iodide	3.93	142	40708	18.933	ug/l	100
11) Tert butyl alcohol	4.73	59	30188	91.924	ug/l #	84
12) 1,1-Dichloroethene	3.72	96	30137	17.674	ug/l	98
13) Acrolein	3.58	56	27047	83.323	ug/l	96
14) Allyl chloride	4.30	41	44105	17.574	ug/l	97
15) Acrylonitrile	4.95	53	79082	98.606	ug/l	98
16) Acetone	3.78	43	72550	75.790	ug/l	99
17) Carbon Disulfide	4.03	76	82107	15.976	ug/l	98
18) Methyl Acetate	4.29	43	36627	20.369	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	108119	18.855	ug/l	99
20) Methylene Chloride	4.52	84	35333	18.501	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	33376	17.956	ug/l	93
22) Diisopropyl ether	5.92	45	104289	18.961	ug/l	99
23) Vinyl Acetate	5.86	43	431798	93.485	ug/l	100
24) 1,1-Dichloroethane	5.82	63	60802	18.248	ug/l	99
25) 2-Butanone	6.80	43	103955	86.348	ug/l	100
26) 2,2-Dichloropropane	6.79	77	55761	17.619	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	39541	18.177	ug/l	98
28) Bromochloromethane	7.17	49	26433	20.179	ug/l	97
29) Tetrahydrofuran	7.18	42	68636	92.930	ug/l	98
30) Chloroform	7.35	83	65972	18.901	ug/l	97
31) Cyclohexane	7.63	56	54360	17.514	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	57775	18.114	ug/l	100
36) 1,1-Dichloropropene	7.77	75	46282	17.825	ug/l	99
37) Ethyl Acetate	6.90	43	43835	18.680	ug/l	100
38) Carbon Tetrachloride	7.75	117	50399	17.873	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	56519	17.536	ug/l	99
40) Benzene	8.02	78	140497	18.241	ug/l	99
41) Methacrylonitrile	7.15	41	18513m	18.812	ug/l	
42) 1,2-Dichloroethane	8.10	62	52378	19.403	ug/l	99
43) Isopropyl Acetate	8.14	43	75856	18.910	ug/l	100
44) Trichloroethene	8.82	130	38739	18.165	ug/l	97
45) 1,2-Dichloropropane	9.10	63	37167	19.491	ug/l	97
46) Dibromomethane	9.19	93	25090	18.619	ug/l	97
47) Bromodichloromethane	9.39	83	51605	18.837	ug/l	98
48) Methyl methacrylate	9.18	41	33094	18.388	ug/l	99
49) 1,4-Dioxane	9.18	88	11720	381.132	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	219030	94.335	ug/l	100
52) Toluene	10.14	92	90492	18.322	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	57557	18.613	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	61354	18.842	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	36349	18.864	ug/l	96
56) Ethyl methacrylate	10.42	69	49741	18.248	ug/l	98
57) 1,3-Dichloropropane	10.70	76	59758	18.795	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	117545	92.565	ug/l	98
59) 2-Hexanone	10.74	43	158280	88.249	ug/l	100
60) Dibromochloromethane	10.89	129	41892	18.946	ug/l	99
61) 1,2-Dibromoethane	11.00	107	37826	18.727	ug/l	99
64) Tetrachloroethene	10.62	164	36528	18.327	ug/l	98
65) Chlorobenzene	11.43	112	97800	18.309	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	37888	18.750	ug/l	98
67) Ethyl Benzene	11.51	91	175221	18.188	ug/l	99
68) m/p-Xylenes	11.62	106	131289	36.310	ug/l	100
69) o-Xylene	11.94	106	64160	18.429	ug/l	100
70) Styrene	11.96	104	99030	17.640	ug/l	99
71) Bromoform	12.12	173	29643	18.239	ug/l #	98
73) Isopropylbenzene	12.25	105	171996	18.062	ug/l	99
74) N-amyl acetate	12.07	43	62504	18.203	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	52276	19.072	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	44591m	18.277	ug/l	
77) Bromobenzene	12.52	156	43079	18.229	ug/l	96
78) n-propylbenzene	12.59	91	194263	17.906	ug/l	100
79) 2-Chlorotoluene	12.67	91	114481	17.952	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	144165	18.208	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	17649	17.712	ug/l	98
82) 4-Chlorotoluene	12.77	91	117748	17.997	ug/l	98
83) tert-Butylbenzene	12.99	119	126136	18.009	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	144479	18.486	ug/l	99
85) sec-Butylbenzene	13.17	105	163673	17.645	ug/l	99
86) p-Isopropyltoluene	13.29	119	149139	17.746	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	75236	17.986	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	75425	18.034	ug/l	99
89) n-Butylbenzene	13.61	91	129662	17.541	ug/l	99
90) Hexachloroethane	13.87	117	27724	17.658	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	75545	18.454	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10702	17.867	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	43436	18.058	ug/l	99
94) Hexachlorobutadiene	15.01	225	25653	18.217	ug/l	100
95) Naphthalene	15.13	128	116330	17.903	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	44033	18.382	ug/l	100

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

