

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060568.D
 Acq On : 17 Mar 2020 20:21
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN031820

Manual Integrations
 APPROVED

MMDadoda
 3/18/2020 7:00:48 PM

Quant Time: Mar 18 08:55:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	211628	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	359514	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	329878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	154549	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	142843	49.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.34%	
35) Dibromofluoromethane	7.57	113	106821	49.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.28%	
50) Toluene-d8	10.08	98	437732	49.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.60%	
62) 4-Bromofluorobenzene	12.40	95	158652	48.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.50%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	109554	53.501	ug/l	99
3) Chloromethane	2.03	50	197032	51.520	ug/l	100
4) Vinyl Chloride	2.16	62	153627	51.358	ug/l	99
5) Bromomethane	2.54	94	70969	54.960	ug/l	99
6) Chloroethane	2.68	64	90363	52.441	ug/l	100
7) Trichlorofluoromethane	3.00	101	187655	50.926	ug/l	98
8) Diethyl Ether	3.38	74	77903	52.627	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	108561	50.844	ug/l	98
10) Methyl Iodide	3.93	142	111865	58.879	ug/l	100
11) Tert butyl alcohol	4.73	59	109756	256.884	ug/l	99
12) 1,1-Dichloroethene	3.72	96	116273	50.746	ug/l	100
13) Acrolein	3.57	56	126562	267.274	ug/l	99
14) Allyl chloride	4.29	41	203702	50.548	ug/l	96
15) Acrylonitrile	4.94	53	333962	265.810	ug/l	100
16) Acetone	3.78	43	264490	257.018	ug/l	99
17) Carbon Disulfide	4.03	76	367511	52.739	ug/l	99
18) Methyl Acetate	4.29	43	146525	50.586	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	398039	50.528	ug/l	97
20) Methylene Chloride	4.52	84	128406	50.724	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	124785	51.100	ug/l	98
22) Diisopropyl ether	5.92	45	440232	51.708	ug/l	97
23) Vinyl Acetate	5.86	43	1862337	268.094	ug/l	99
24) 1,1-Dichloroethane	5.82	63	239664	51.637	ug/l	99
25) 2-Butanone	6.80	43	441898	265.370	ug/l	100
26) 2,2-Dichloropropane	6.80	77	177065	48.488	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	142142	51.222	ug/l	99
28) Bromochloromethane	7.17	49	115777	52.138	ug/l	100
29) Tetrahydrofuran	7.18	42	305265	259.093	ug/l	100
30) Chloroform	7.35	83	224849	50.534	ug/l	99
31) Cyclohexane	7.63	56	229266	48.998	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	196836	51.316	ug/l	99
36) 1,1-Dichloropropene	7.77	75	180443	51.833	ug/l	99
37) Ethyl Acetate	6.90	43	192257	51.112	ug/l	99
38) Carbon Tetrachloride	7.75	117	160994	51.600	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	208990	50.517	ug/l	98
40) Benzene	8.02	78	531681	50.593	ug/l	100
41) Methacrylonitrile	7.15	41	81947m	51.047	ug/l	
42) 1,2-Dichloroethane	8.10	62	182362	50.777	ug/l	99
43) Isopropyl Acetate	8.14	43	318019	51.265	ug/l	100
44) Trichloroethene	8.82	130	137292	51.824	ug/l	99
45) 1,2-Dichloropropane	9.10	63	142096	51.243	ug/l	99
46) Dibromomethane	9.19	93	86328	51.495	ug/l	100
47) Bromodichloromethane	9.39	83	178951	51.369	ug/l	99
48) Methyl methacrylate	9.18	41	142864	51.726	ug/l	97
49) 1,4-Dioxane	9.18	88	33001	1005.234	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	931717	263.939	ug/l	100
52) Toluene	10.14	92	326737	51.482	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	207243	51.791	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	223151	50.833	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	124832	51.126	ug/l	99
56) Ethyl methacrylate	10.42	69	207083	54.394	ug/l	99
57) 1,3-Dichloropropane	10.70	76	216564	51.112	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	516263	272.841	ug/l	100
59) 2-Hexanone	10.74	43	678868	266.968	ug/l	99
60) Dibromochloromethane	10.89	129	131677	52.209	ug/l	99
61) 1,2-Dibromoethane	11.00	107	129572	52.774	ug/l	100
64) Tetrachloroethene	10.62	164	130438	50.249	ug/l	99
65) Chlorobenzene	11.43	112	331818	50.740	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	121324	51.241	ug/l	99
67) Ethyl Benzene	11.50	91	623166	51.242	ug/l	99
68) m/p-Xylenes	11.62	106	461492	102.119	ug/l	99
69) o-Xylene	11.94	106	220980	51.223	ug/l	99
70) Styrene	11.96	104	370984	52.580	ug/l	99
71) Bromoform	12.12	173	95395	48.527	ug/l #	100
73) Isopropylbenzene	12.24	105	587980	50.695	ug/l	100
74) N-amyl acetate	12.06	43	280921	52.416	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	179262	51.109	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	164105m	49.209	ug/l	
77) Bromobenzene	12.52	156	141540	50.644	ug/l	99
78) n-propylbenzene	12.59	91	700763	51.141	ug/l	99
79) 2-Chlorotoluene	12.67	91	407650	49.790	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	499055	50.704	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	66735	51.395	ug/l	99
82) 4-Chlorotoluene	12.77	91	426180	51.109	ug/l	100
83) tert-Butylbenzene	12.99	119	412777	50.590	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	499862	51.334	ug/l	100
85) sec-Butylbenzene	13.17	105	559936	51.034	ug/l	99
86) p-Isopropyltoluene	13.28	119	501025	50.782	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	251813	51.086	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	253382	51.165	ug/l	99
89) n-Butylbenzene	13.61	91	460268	51.671	ug/l	100
90) Hexachloroethane	13.87	117	75812	52.863	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	240216	50.966	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	38018	51.760	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	158271	54.682	ug/l	99
94) Hexachlorobutadiene	15.01	225	75407	53.145	ug/l	98
95) Naphthalene	15.13	128	490311	56.321	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	152916	53.638	ug/l	100

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

