

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060564.D
 Acq On : 17 Mar 2020 18:50
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 3/18/2020 7:00:38 PM

Quant Time: Mar 18 08:39:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:02:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	208167	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	354729	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	322386	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148687	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	57476	20.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.98%	
35) Dibromofluoromethane	7.57	113	42358	24.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.18%	
50) Toluene-d8	10.08	98	171479	20.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.10%	
62) 4-Bromofluorobenzene	12.40	95	61291	19.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	41927	21.525	ug/l	99
3) Chloromethane	2.04	50	75496	22.038	ug/l	98
4) Vinyl Chloride	2.16	62	59618	20.626	ug/l	99
5) Bromomethane	2.55	94	25375	19.854	ug/l	95
6) Chloroethane	2.68	64	34439	21.607	ug/l	100
7) Trichlorofluoromethane	3.00	101	73638	20.069	ug/l	96
8) Diethyl Ether	3.38	74	29626	21.161	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	42508	20.411	ug/l	99
10) Methyl Iodide	3.93	142	34103	18.169	ug/l	99
11) Tert butyl alcohol	4.73	59	42548	106.444	ug/l	100
12) 1,1-Dichloroethene	3.72	96	44742	20.087	ug/l	99
13) Acrolein	3.58	56	46454	120.849	ug/l	100
14) Allyl chloride	4.29	41	82966	22.299	ug/l	96
15) Acrylonitrile	4.95	53	126098	117.146	ug/l	99
16) Acetone	3.78	43	102374	115.019	ug/l	97
17) Carbon Disulfide	4.03	76	135957	21.072	ug/l	98
18) Methyl Acetate	4.29	43	55853	19.152	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	154765	21.021	ug/l	97
20) Methylene Chloride	4.52	84	50096	20.752	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	48760	19.345	ug/l	97
22) Diisopropyl ether	5.92	45	169711	22.123	ug/l	99
23) Vinyl Acetate	5.86	43	699114	114.550	ug/l	100
24) 1,1-Dichloroethane	5.82	63	93383	21.673	ug/l	100
25) 2-Butanone	6.80	43	165349	115.047	ug/l	100
26) 2,2-Dichloropropane	6.80	77	73063	19.115	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	55196	19.846	ug/l	99
28) Bromochloromethane	7.17	49	45455	24.685	ug/l	99
29) Tetrahydrofuran	7.18	42	118021	117.723	ug/l	99
30) Chloroform	7.35	83	87955	20.652	ug/l	100
31) Cyclohexane	7.63	56	90112	22.077	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	77918	20.681	ug/l	100
36) 1,1-Dichloropropene	7.77	75	68435	19.890	ug/l	99
37) Ethyl Acetate	6.90	43	72777	22.201	ug/l	99
38) Carbon Tetrachloride	7.75	117	61619	18.743	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	80624	19.891	ug/l	99
40) Benzene	8.02	78	204409	20.446	ug/l	100
41) Methacrylonitrile	7.14	41	32720	21.938	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	71743	20.113	ug/l	100
43) Isopropyl Acetate	8.14	43	122581	21.480	ug/l	100
44) Trichloroethene	8.82	130	52485	19.068	ug/l	97
45) 1,2-Dichloropropane	9.10	63	55107	21.114	ug/l	100
46) Dibromomethane	9.19	93	33403	19.880	ug/l	99
47) Bromodichloromethane	9.39	83	68047	19.924	ug/l	98
48) Methyl methacrylate	9.18	41	52173	20.074	ug/l	98
49) 1,4-Dioxane	9.18	88	13358	370.716	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	352997	108.876	ug/l	100
52) Toluene	10.14	92	124812	19.988	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	77684	18.591	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	85950	19.794	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	47651	19.075	ug/l	98
56) Ethyl methacrylate	10.42	69	74288	20.508	ug/l	100
57) 1,3-Dichloropropane	10.70	76	83842	20.468	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	168077	89.099	ug/l	99
59) 2-Hexanone	10.74	43	252393	106.137	ug/l	100
60) Dibromochloromethane	10.89	129	49965	19.675	ug/l	100
61) 1,2-Dibromoethane	11.00	107	48241	19.753	ug/l	99
64) Tetrachloroethene	10.62	164	51138	17.933	ug/l	98
65) Chlorobenzene	11.43	112	126408	19.340	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	46721	19.457	ug/l	99
67) Ethyl Benzene	11.50	91	237050	19.824	ug/l	98
68) m/p-Xylenes	11.62	106	173200	38.410	ug/l	98
69) o-Xylene	11.94	106	83913	19.528	ug/l	99
70) Styrene	11.96	104	134281	19.025	ug/l	99
71) Bromoform	12.12	173	34705	19.928	ug/l #	99
73) Isopropylbenzene	12.25	105	225172	20.249	ug/l	100
74) N-amyl acetate	12.06	43	100400	20.430	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	68564	22.348	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	63122m	19.421	ug/l	
77) Bromobenzene	12.52	156	53593	19.728	ug/l	98
78) n-propylbenzene	12.59	91	263596	20.175	ug/l	99
79) 2-Chlorotoluene	12.67	91	154141	20.030	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	188846	20.163	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	24100	20.158	ug/l	98
82) 4-Chlorotoluene	12.77	91	158350	19.564	ug/l	100
83) tert-Butylbenzene	12.99	119	157245	19.525	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	188470	19.970	ug/l	100
85) sec-Butylbenzene	13.17	105	210356	19.464	ug/l	100
86) p-Isopropyltoluene	13.28	119	187821	18.817	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	94302	18.556	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	93995	18.537	ug/l	99
89) n-Butylbenzene	13.61	91	169106	18.466	ug/l	100
90) Hexachloroethane	13.87	117	27106	18.790	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	91736	19.305	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	14262	20.801	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	56332	16.840	ug/l	100
94) Hexachlorobutadiene	15.01	225	27745	17.471	ug/l	98
95) Naphthalene	15.13	128	168941	17.499	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	54945	17.454	ug/l	99

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

