

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022720\
 Data File : VN060264.D
 Acq On : 27 Feb 2020 11:29
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 2/28/2020 12:31:13 PM

Quant Time: Feb 27 12:28:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 12:09:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	223181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	363280	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	336779	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	166172	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	136360	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
35) Dibromofluoromethane	7.57	113	82113	39.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.08%	
50) Toluene-d8	10.08	98	401540	46.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.04%	
62) 4-Bromofluorobenzene	12.40	95	153540	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	99966	45.772	ug/l	100
3) Chloromethane	2.04	50	167505	60.375	ug/l	100
4) Vinyl Chloride	2.16	62	145359	48.355	ug/l	100
5) Bromomethane	2.54	94	61324	35.065	ug/l	100
6) Chloroethane	2.68	64	77870	50.331	ug/l	100
7) Trichlorofluoromethane	3.00	101	186858	47.970	ug/l	100
8) Diethyl Ether	3.38	74	71121	53.812	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	106982	49.256	ug/l	100
10) Methyl Iodide	3.93	142	97061	38.830	ug/l	100
11) Tert butyl alcohol	4.73	59	106413	260.063	ug/l	100
12) 1,1-Dichloroethene	3.72	96	107396	50.543	ug/l	100
13) Acrolein	3.58	56	104943	258.689	ug/l	100
14) Allyl chloride	4.29	41	195625	59.781	ug/l	100
15) Acrylonitrile	4.94	53	287022	283.772	ug/l	100
16) Acetone	3.78	43	225613	200.310	ug/l	100
17) Carbon Disulfide	4.03	76	286245	45.483	ug/l	100
18) Methyl Acetate	4.29	43	143657	61.801	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	377908	52.501	ug/l	100
20) Methylene Chloride	4.52	84	119513	50.226	ug/l	100
21) trans-1,2-Dichloroethene	5.01	96	114312	49.645	ug/l	100
22) Diisopropyl ether	5.92	45	392773	56.090	ug/l	100
23) Vinyl Acetate	5.86	43	1610439	276.639	ug/l	100
24) 1,1-Dichloroethane	5.82	63	220691	52.739	ug/l	100
25) 2-Butanone	6.80	43	373917	253.581	ug/l	100
26) 2,2-Dichloropropane	6.80	77	198799	50.515	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	134370	49.732	ug/l	100
28) Bromochloromethane	7.17	49	85105	51.981	ug/l	100
29) Tetrahydrofuran	7.18	42	256154	275.189	ug/l	100
30) Chloroform	7.35	83	218308	50.361	ug/l	100
31) Cyclohexane	7.63	56	194196	49.994	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	194459	49.364	ug/l	100
36) 1,1-Dichloropropene	7.77	75	161882	48.281	ug/l	100
37) Ethyl Acetate	6.90	43	163758	53.185	ug/l	100
38) Carbon Tetrachloride	7.75	117	164744	45.668	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	193262	46.658	ug/l	100
40) Benzene	8.02	78	486517	48.733	ug/l	100
41) Methacrylonitrile	7.15	41	77609m	59.446	ug/l	
42) 1,2-Dichloroethane	8.10	62	177742	50.612	ug/l	100
43) Isopropyl Acetate	8.14	43	285053	53.962	ug/l	100
44) Trichloroethene	8.82	130	132792	48.166	ug/l	100
45) 1,2-Dichloropropane	9.10	63	130689	52.414	ug/l	100
46) Dibromomethane	9.19	93	84065	48.460	ug/l	100
47) Bromodichloromethane	9.39	83	173277	48.986	ug/l	100
48) Methyl methacrylate	9.18	41	128582	54.294	ug/l	100
49) 1,4-Dioxane	9.18	88	34762	906.227	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	826868	271.787	ug/l	100
52) Toluene	10.14	92	307965	48.324	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	204035	50.817	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	214290	50.635	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	121544	48.867	ug/l	100
56) Ethyl methacrylate	10.42	69	189138	53.327	ug/l	100
57) 1,3-Dichloropropane	10.70	76	205583	49.794	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	480267	286.225	ug/l	100
59) 2-Hexanone	10.74	43	608314	262.861	ug/l	100
60) Dibromochloromethane	10.89	129	129321	45.948	ug/l	100
61) 1,2-Dibromoethane	11.00	107	123607	47.776	ug/l	100
64) Tetrachloroethene	10.62	164	136170	52.306	ug/l	100
65) Chlorobenzene	11.43	112	326323	47.804	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	123298	47.852	ug/l	100
67) Ethyl Benzene	11.50	91	602953	48.799	ug/l	100
68) m/p-Xylenes	11.62	106	448113	96.873	ug/l	100
69) o-Xylene	11.94	106	216023	48.510	ug/l	100
70) Styrene	11.96	104	362826	50.454	ug/l	100
71) Bromoform	12.12	173	94273	46.071	ug/l #	100
73) Isopropylbenzene	12.25	105	592580	47.677	ug/l	100
74) N-amyl acetate	12.06	43	259096	56.619	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	163659	46.291	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	176271m	55.107	ug/l	
77) Bromobenzene	12.52	156	143488	46.757	ug/l	100
78) n-propylbenzene	12.59	91	691517	48.658	ug/l	100
79) 2-Chlorotoluene	12.67	91	401888	48.106	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	501459	48.464	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	66521	50.926	ug/l	100
82) 4-Chlorotoluene	12.77	91	418163	48.789	ug/l	100
83) tert-Butylbenzene	12.99	119	433299	47.288	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	505679	49.505	ug/l	100
85) sec-Butylbenzene	13.17	105	581031	48.003	ug/l	100
86) p-Isopropyltoluene	13.28	119	527016	48.027	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	262041	48.106	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	258474	47.493	ug/l	100
89) n-Butylbenzene	13.61	91	486163	50.151	ug/l	100
90) Hexachloroethane	13.87	117	79935	40.258	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	251696	47.278	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36428	44.321	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	166755	52.827	ug/l	100
94) Hexachlorobutadiene	15.01	225	77495	42.842	ug/l	100
95) Naphthalene	15.13	128	497188	57.522	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	158065	50.500	ug/l	100

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

