

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030920\
 Data File : VN060404.D
 Acq On : 9 Mar 2020 15:56
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/10/2020 10:45:49 AM

Quant Time: Mar 09 18:21:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	203294	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	331672	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	311899	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	154787	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	125357	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	
35) Dibromofluoromethane	7.56	113	93735	60.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.78%	
50) Toluene-d8	10.08	98	370792	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	
62) 4-Bromofluorobenzene	12.40	95	144871	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	76204	40.88	ug/l 100
3) Chloromethane	2.04	50	136503	42.06	ug/l 99
4) Vinyl Chloride	2.16	62	110470	39.69	ug/l 99
5) Bromomethane	2.54	94	41698	36.58	ug/l 97
6) Chloroethane	2.68	64	63844	42.34	ug/l 94
7) Trichlorofluoromethane	3.00	101	153495	43.17	ug/l 99
8) Diethyl Ether	3.38	74	59795	44.54	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	90056	44.75	ug/l 100
10) Methyl Iodide	3.92	142	73131	39.82	ug/l 99
11) Tert butyl alcohol	4.73	59	76005	196.24	ug/l 99
12) 1,1-Dichloroethene	3.71	96	86924	44.50	ug/l 99
13) Acrolein	3.57	56	91828	254.15	ug/l 99
14) Allyl chloride	4.29	41	151504	42.07	ug/l 92
15) Acrylonitrile	4.94	53	240729	235.81	ug/l 99
16) Acetone	3.78	43	190333	225.97	ug/l 97
17) Carbon Disulfide	4.03	76	216439	41.64	ug/l 100
18) Methyl Acetate	4.28	43	123443	43.92	ug/l 99
19) Methyl tert-butyl Ether	5.00	73	332450	46.88	ug/l 99
20) Methylene Chloride	4.52	84	101270	43.78	ug/l 97
21) trans-1,2-Dichloroethene	5.00	96	95302	45.38	ug/l 99
22) Diisopropyl ether	5.91	45	355520	48.74	ug/l 100
23) Vinyl Acetate	5.85	43	1399783	241.50	ug/l 99
24) 1,1-Dichloroethane	5.82	63	194389	47.08	ug/l 99
25) 2-Butanone	6.80	43	313082	230.12	ug/l 98
26) 2,2-Dichloropropane	6.79	77	165606	44.06	ug/l 99
27) cis-1,2-Dichloroethene	6.80	96	117669	43.87	ug/l 99
28) Bromochloromethane	7.17	49	80786	47.65	ug/l 97
29) Tetrahydrofuran	7.18	42	212949	225.09	ug/l 99
30) Chloroform	7.35	83	196327	47.76	ug/l 99
31) Cyclohexane	7.63	56	164407	46.57	ug/l 99
32) 1,1,1-Trichloroethane	7.54	97	171365	47.05	ug/l 99
36) 1,1-Dichloropropene	7.77	75	140638	44.49	ug/l 99
37) Ethyl Acetate	6.89	43	138698	46.34	ug/l 99
38) Carbon Tetrachloride	7.75	117	140313	45.59	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	161925	43.45	ug/l	98
40) Benzene	8.02	78	428854	46.61	ug/l	100
41) Methacrylonitrile	7.15	41	73701m	53.33	ug/l	
42) 1,2-Dichloroethane	8.10	62	158503	47.74	ug/l	100
43) Isopropyl Acetate	8.14	43	247913	47.31	ug/l	100
44) Trichloroethene	8.82	130	115409	45.04	ug/l	99
45) 1,2-Dichloropropane	9.10	63	119360	49.62	ug/l	100
46) Dibromomethane	9.19	93	73213	46.91	ug/l	99
47) Bromodichloromethane	9.38	83	158594	49.96	ug/l	99
48) Methyl methacrylate	9.18	41	109570	45.86	ug/l	99
49) 1,4-Dioxane	9.18	88	27126	807.27	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	699720	235.52	ug/l	100
52) Toluene	10.14	92	269114	46.57	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	181256	46.60	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	189126	46.92	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	108403	46.64	ug/l	99
56) Ethyl methacrylate	10.42	69	164770	49.35	ug/l	99
57) 1,3-Dichloropropane	10.70	76	183693	48.47	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	423201	242.34	ug/l	99
59) 2-Hexanone	10.74	43	501846	230.07	ug/l	99
60) Dibromochloromethane	10.89	129	117422	49.68	ug/l	99
61) 1,2-Dibromoethane	10.99	107	106392	46.96	ug/l	99
64) Tetrachloroethene	10.62	164	115907	47.12	ug/l	99
65) Chlorobenzene	11.43	112	283199	44.97	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	109452	47.00	ug/l	99
67) Ethyl Benzene	11.50	91	531545	46.35	ug/l	100
68) m/p-Xylenes	11.61	106	395968	91.51	ug/l	100
69) o-Xylene	11.94	106	192871	46.74	ug/l	97
70) Styrene	11.96	104	319173	47.05	ug/l	100
71) Bromoform	12.12	173	81571	48.60	ug/l #	99
73) Isopropylbenzene	12.24	105	523126	45.60	ug/l	99
74) N-amyl acetate	12.06	43	225883	45.06	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	148127	47.50	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	135205m	39.81	ug/l	
77) Bromobenzene	12.52	156	126183	44.87	ug/l	100
78) n-propylbenzene	12.59	91	613685	45.63	ug/l	100
79) 2-Chlorotoluene	12.67	91	356895	45.15	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	442974	45.86	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	54631	44.41	ug/l #	85
82) 4-Chlorotoluene	12.77	91	372965	44.78	ug/l	99
83) tert-Butylbenzene	12.99	119	371453	44.42	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	444719	45.61	ug/l	99
85) sec-Butylbenzene	13.17	105	503991	45.00	ug/l	100
86) p-Isopropyltoluene	13.28	119	455150	43.91	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	230871	47.77	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	228249	47.49	ug/l	99
89) n-Butylbenzene	13.61	91	418270	43.96	ug/l	99
90) Hexachloroethane	13.87	117	63250	42.16	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	220087	44.66	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	30291	42.89	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	140224	44.79	ug/l	100
94) Hexachlorobutadiene	15.01	225	65858	45.71	ug/l	98
95) Naphthalene	15.13	128	391954	42.46	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	129049	43.74	ug/l	99

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

