

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050720\
 Data File : VN061323.D
 Acq On : 7 May 2020 10:35
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/8/2020 1:18:12 PM

Quant Time: May 08 01:41:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	110162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.54	114	184391	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	172717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	83147	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	86747	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
35) Dibromofluoromethane	7.54	113	47104	43.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.40%	
50) Toluene-d8	10.06	98	228290	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
62) 4-Bromofluorobenzene	12.37	95	87422	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	57968	49.623	ug/l	98
3) Chloromethane	2.03	50	74250	52.481	ug/l	100
4) Vinyl Chloride	2.16	62	84717	52.719	ug/l	100
5) Bromomethane	2.53	94	35595	44.811	ug/l	100
6) Chloroethane	2.67	64	51103	50.173	ug/l	97
7) Trichlorofluoromethane	2.98	101	106103	58.524	ug/l	97
8) Diethyl Ether	3.37	74	42971	56.824	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	62725	53.704	ug/l	99
10) Methyl Iodide	3.90	142	63099	42.037	ug/l	99
11) Tert butyl alcohol	4.72	59	62016	265.591	ug/l	99
12) 1,1-Dichloroethene	3.69	96	59235	50.964	ug/l	98
13) Acrolein	3.56	56	27342	175.712	ug/l	99
14) Allyl chloride	4.27	41	127957	59.374	ug/l	99
15) Acrylonitrile	4.92	53	192510	268.572	ug/l	99
16) Acetone	3.77	43	182978	271.908	ug/l	100
17) Carbon Disulfide	4.00	76	118769	36.992	ug/l	100
18) Methyl Acetate	4.27	43	104129	47.360	ug/l	98
19) Methyl tert-butyl Ether	4.98	73	233426	52.558	ug/l	99
20) Methylene Chloride	4.50	84	68363	50.296	ug/l	99
21) trans-1,2-Dichloroethene	4.98	96	65009	51.365	ug/l	99
22) Diisopropyl ether	5.89	45	269518	53.930	ug/l	99
23) Vinyl Acetate	5.83	43	1076564	267.542	ug/l	99
24) 1,1-Dichloroethane	5.79	63	135907	52.049	ug/l	100
25) 2-Butanone	6.78	43	282615	273.998	ug/l	100
26) 2,2-Dichloropropane	6.77	77	123632	56.214	ug/l	100
27) cis-1,2-Dichloroethene	6.77	96	76531	51.528	ug/l	98
28) Bromochloromethane	7.15	49	65332	52.789	ug/l	96
29) Tetrahydrofuran	7.16	42	180094	259.200	ug/l	99
30) Chloroform	7.32	83	135434	51.183	ug/l	99
31) Cyclohexane	7.61	56	115678	45.618	ug/l	98
32) 1,1,1-Trichloroethane	7.52	97	117270	50.894	ug/l	100
36) 1,1-Dichloropropene	7.75	75	99395	53.848	ug/l	99
37) Ethyl Acetate	6.87	43	113789	52.584	ug/l	99
38) Carbon Tetrachloride	7.73	117	90819	53.747	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	100133	48.372	ug/l	100
40) Benzene	8.00	78	287047	52.198	ug/l	99
41) Methacrylonitrile	7.12	41	53540	59.591	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	113049	54.264	ug/l	100
43) Isopropyl Acetate	8.12	43	194733	54.223	ug/l	100
44) Trichloroethene	8.80	130	72329	48.654	ug/l	99
45) 1,2-Dichloropropane	9.08	63	80601	54.862	ug/l	99
46) Dibromomethane	9.17	93	49568	54.491	ug/l	99
47) Bromodichloromethane	9.37	83	109534	56.099	ug/l	100
48) Methyl methacrylate	9.16	41	90281	55.709	ug/l	97
49) 1,4-Dioxane	9.16	88	19535	1061.939	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	590254	279.225	ug/l	100
52) Toluene	10.12	92	179473	54.183	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	123392	56.086	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	129778	55.797	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	70480	53.346	ug/l	99
56) Ethyl methacrylate	10.40	69	115902	50.323	ug/l	99
57) 1,3-Dichloropropane	10.68	76	127241	54.790	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	214007	200.112	ug/l	100
59) 2-Hexanone	10.72	43	448343	291.529	ug/l	99
60) Dibromochloromethane	10.87	129	77311	55.871	ug/l	98
61) 1,2-Dibromoethane	10.98	107	71720	54.160	ug/l	100
64) Tetrachloroethene	10.60	164	70820	47.342	ug/l	96
65) Chlorobenzene	11.40	112	183889	53.672	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	70227	57.270	ug/l	98
67) Ethyl Benzene	11.48	91	350338	54.624	ug/l	100
68) m/p-Xylenes	11.59	106	257061	109.500	ug/l	98
69) o-Xylene	11.92	106	121971	54.089	ug/l	98
70) Styrene	11.94	104	211751	56.105	ug/l	99
71) Bromoform	12.10	173	51898	57.586	ug/l #	100
73) Isopropylbenzene	12.22	105	332759	54.439	ug/l	100
74) N-amyl acetate	12.04	43	171547	55.423	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	103479	54.292	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	93322m	53.237	ug/l	
77) Bromobenzene	12.50	156	76006	53.865	ug/l	97
78) n-propylbenzene	12.56	91	399941	55.163	ug/l	100
79) 2-Chlorotoluene	12.65	91	234557	55.042	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	280472	55.439	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	39228	56.829	ug/l	98
82) 4-Chlorotoluene	12.75	91	250433	55.758	ug/l	98
83) tert-Butylbenzene	12.97	119	228450	53.553	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	282339	54.168	ug/l	100
85) sec-Butylbenzene	13.15	105	307125	52.807	ug/l	100
86) p-Isopropyltoluene	13.26	119	283827	54.164	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	141314	54.401	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	142321	53.623	ug/l	100
89) n-Butylbenzene	13.59	91	259228	53.963	ug/l	100
90) Hexachloroethane	13.85	117	37079	65.118	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	136351	54.744	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	21285	52.877	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	80280	52.931	ug/l	100
94) Hexachlorobutadiene	14.98	225	35458	55.960	ug/l	97
95) Naphthalene	15.10	128	252988	51.218	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	77432	51.709	ug/l	99

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

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